
TCU Computer Science

**Fort Worth Psychworks
Use Cases**

Version <0.5>

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Revision History

Date	Version	Description	Author
09/29/2024	0.1	Initial Use Cases	All
10/24/2024	0.2	Refine Use Case List	Roland Andrade, Sion Kim
10/25/2024	0.3	Refactor Use Cases	Will Peck
01/15/2025	0.4	Refactor Use Cases	Will Peck
02/01/2025	0.5	Refactor Use Cases	Ben Blake, Alexandra Teran
03/14/2025	0.6	Add Admin Use Cases	Roland Andrade, Will Peck

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Use Case List

Primary Actor	Use Cases
PsychWorks Staff	UC-01: PsychWorks Staff creates an assessment table template UC-02: PsychWorks Staff modifies existing assessment table template UC-03: PsychWorks Staff deletes assessment table template UC-04: PsychWorks Staff list assessment table templates UC-05: PsychWorks Staff creates a report template UC-06: PsychWorks Staff modifies existing report template UC-07: PsychWorks Staff delete report template UC-08: PsychWorks Staff list report templates UC-09: PsychWorks Staff generate a report template UC-10: PsychWorks Staff sign up for the System UC-11: PsychWorks Staff view assessment table template UC-12: PsychWorks Staff resets password
Admin	UC-13: Admin views list of all users UC-14: Admin deletes user UC-15: Admin changes a user's template deletion permission

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Use Case 1: PsychWorks Staff creates an assessment table template

UC ID and Name:	UC-01: PsychWorks Staff creates an assessment table template		
Created By:	Sion Kim	Date Created:	09/29/2024
Primary Actor:	PsychWorks Staff	Secondary Actors:	
Trigger:	The PsychWorks Staff indicates that a new assessment table template should be created.		
Description:	The PsychWorks Staff wants to create a new assessment table template so they can reuse it for future report templates		
Preconditions:	PRE-1. The PsychWorks Staff is logged into the System. PRE-2. Supabase database access and a stable network connection are available.		
Postconditions:	POST-1. The new assessment table template is stored in the System and available for future use.		
Main Success Scenario:	<ol style="list-style-type: none"> 1. The PsychWorks Staff indicates to create a new assessment table template. 2. The PsychWorks Staff indicates which type of assessment table template is to be made, behavioral or cognitive, as specified according to the "Details" defined in the Associated Information. 3. The System asks the Staff to enter the details of this new assessment table template according to the "Details" defined in the Associated Information of this use case such as Name and Measure. 4. The Staff enters the details of this new assessment table template and after that, they select the Domain/subtest button. 5. The Staff will create the assessment table template and provide the required number of domains and subtests, along with their corresponding score types. Once one assessment table template is created, the process can be repeated as needed for additional assessment table templates. 6. The System validates the PsychWorks Staff's inputs according to the corresponding assessment table template type, "Behavioral" or "Cognitive", defined in the Associated Information of this use case. 7. The Staff is required to include an assessment description and will decide its content. 8. The System validates that the creation of the new assessment table template will not duplicate any existing assessment table template according to the "Duplication detection rules" defined in the Associated Information of this use case. 9. The System displays the details of the new assessment table template and asks the Staff to confirm the creation. 10. The Staff either confirms the creation (continues the normal flow) or chooses to modify the details (return to step 3). 11. The System saves the new assessment table template and informs the Staff that this assessment table template has been created. 12. Use case ends. 		
Extensions:	<p>4a. Input validation rule violation:</p> <p>4a1. The System alerts the Staff that an input validation rule is violated and displays the nature and location of the error.</p> <p>4a2. The Staff corrects the mistake and returns to step 4 of the normal flow.</p> <p>5a. The System finds possible duplicates from the existing assessment table templates:</p> <p>5a1. The System alerts the Staff that the assessment table template they are trying to create already exists in the System.</p> <p>5a2. The Staff either chooses to correct the mistake and return to step 4 of the normal flow or chooses to terminate the use case.</p>		
Priority:	High		
Frequency of Use:	Approximately all PsychWorks Staff, average of 2-5 creations per week.		

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Business Rules:	Security/access concerns: <ul style="list-style-type: none">Only authorized PsychWorks Staff can create assessment table templates.The Staff must have the "create assessment table template" privilege.					
Associated Information:	Details:					
	Property name	Data type	Editability	Validation rule	Effect of change	Reference to glossary
	Assessment Table Template Name	String	Yes	Required; must be unique; length between 1-100 characters	Used as identifier for assessment table template	
	Assessment Table Template Description	String	Yes	Optional; length up to 200 characters	Provides context to other users	
	Assessment Table Template Structure	Semi-structured Data	Yes	Required; must follow defined format for either behavioral or cognitive test types as specified by the below tables.	Defines columns, rows, formatting	
	Default Values	Data Entries	Yes	Optional	Pre-filled data for future use	
	Behavioral:					
	Property name	Data type	Editability	Validation rule	Effect of change	Reference to glossary
	Measure	String	Yes	Required; must be unique; length between 1-100 characters	Used as identifier for assessment table template	
	Domain/SubDomain	String	Yes	Optional; length up to 50 characters	Identifies the meaning of scores within the assessment table template	
	Score Type	enum	Yes	Must be one of the following: StS, ScS, T, Z	Defines type of score for the specified domain/subdomain	
	Score	Data Entries	Yes	Optional	Changes the percentile fields based on Score Type	
	Percentile	Variable	Yes	Must use one of the score types to calculate based on the entered score	Populates percentile graphing fields.	

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	Percentile Graphing Fields (3)	String	Yes	Length up to 30 characters for each field. Default values are: Clinically signif. Average Elevated	Changes meaning of percentile and score.	
	Cognitive:					
	Property name	Data type	Editability	Validation rule	Effect of change	Reference to glossary
	Measure	String	Yes	Required; must be unique; length between 1-100 characters	Used as identifier for assessment table template	
	Domain/SubDomain	String	Yes	Optional; length up to 50 characters	Identifies the meaning of scores within the assessment table template	
	Score Type	enum	Yes	Must be one of the following: StS, ScS, T, Z	Defines type of score for the specified domain/subdomain	
	Score	Data Entries	Yes	Optional	Changes the percentile fields based on Score Type	
	Percentile	Variable	Yes	Must use one of the score types to calculate based on the entered score	Populates percentile graphing fields.	
	Percentile Graphing Fields (4)	String	Yes	Length up to 30 characters for each field. Default values are: Very low Low average Average High Average	Changes meaning of percentile and score.	
	Duplication detection rules:					
	<ul style="list-style-type: none"> <i>Identifiers: Assessment Table Template Name must be unique among all existing assessment table templates.</i> 					

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	<p><i>Text:</i></p> <ul style="list-style-type: none"> • <i>Checks whether the specified character sequence's length is between min and max (inclusive).</i> • <i>Checks whether the Assessment Table Template Name is unique.</i> <p>The Staff shall be able to cancel the use case at any time prior to submitting it.</p>
Related Use Cases	The Staff may first choose to find existing assessment table templates but cannot find a suitable one, then decide to create a new one.
Assumptions:	The System provides an interface for creating and customizing assessment table templates, including specifying assessment table template structure and formatting.
Open Issues:	<ul style="list-style-type: none"> - Specify any specific guidelines or standards that the assessment table templates must adhere to. - Choose DB service (MongoDB, Neon, etc) for assessment table template and data storage

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Use Case 2: PsychWorks Staff modifies existing assessment table template

UC ID and Name:	UC-02: PsychWorks Staff modifies existing assessment table template					
Created By:	Sion Kim		Date Created:		09/29/2024	
Primary Actor:	PsychWorks Staff		Secondary Actors:			
Trigger:	The PsychWorks Staff indicates to modify the details of an existing assessment table template.					
Description:	The PsychWorks Staff wants to modify an existing assessment table template so that they can keep assessment table templates up-to-date with the latest psychiatric guidelines.					
Preconditions:	PRE-1. The PsychWorks Staff is logged into the System. PRE-2. The Staff has the "modify assessment table template" privilege. See the Business Rules of this use case. PRE-3. The assessment table template to be modified exists in the System.					
Postconditions:	POST-1. Changes made to the assessment table template are stored in the System.					
Main Success Scenario:	<ol style="list-style-type: none">1. The PsychWorks Staff indicates to modify the details of an existing assessment table template.2. The PsychWorks Staff chooses to modify the details of this assessment table template and clicks the edit button on the assessment they decide to modify.3. The PsychWorks Staff makes changes to the assessment table template, including modifying column headers, editing score type, and adding or deleting rows.4. If the PsychWorks Staff modifies a header name, they click on the header, enter the new name, and confirm the change.5. If the PsychWorks Staff adds a new row, they locate the “Add Domain” or “Add Subdomain“ button, click to insert a new row, and enter the required values.6. The PsychWorks Staff then clicks the “Next” button to finish with the changes.7. The PsychWorks Staff either confirms the changes or chooses to continue modifying the details (return to step 3).8. The System displays the updated details of this assessment table template and clicks the “Finalize” button to save changes.9. Use case ends					
Extensions:	5a. Input validation rule violation: 6a1. The System alerts the Staff that an input validation rule is violated and displays the nature and location of the error. 6a2. The Staff corrects the mistake and returns to step 6 of the normal flow.					
Priority:	Medium					
Frequency of Use:	Approximately all PsychWorks Staff, average of 3-5 modifications per month.					
Business Rules:	Security/access concerns: <ul style="list-style-type: none">● Only authorized PsychWorks Staff can modify assessment table templates.● PsychWorks Staff must have "modify assessment table template" privilege.● Some assessment table templates may be locked or restricted from modification.					
Associated Information:	Details:					
	Property name	Data type	Editability	Validation rule	Effect of change	Reference to glossary
	Assessment Table Template Name	String	Yes	Required; must be unique; length between 1-100 characters	Used as identifier for assessment table template	
	Assessment Table Template Description	String	Yes	Optional; length up to 200 characters	Provides context to other users	

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	Assessment Table Template Structure	Semi-structured Data	Yes	Required; must follow defined format	Defines columns, rows, formatting	
	Default Values	Data Entries	Yes	Optional	Pre-filled data for future use	
<p><i>A basic set of commonly used constraints:</i> <i>Checks that the input is not empty (empty means trimmed input length is 0).</i> <i>Text:</i></p> <ul style="list-style-type: none"> <i>Checks whether the specified character sequence's length is between min and max (inclusive).</i> <i>Checks whether the Assessment Table Template Name is unique (if modified).</i> <i>Checks whether the Assessment Table Template Structure complies with guidelines.</i> <p>The Staff shall be able to cancel the use case at any time prior to submitting it.</p>						
Related Use Cases:						
Assumptions:		The System allows for editing and updating existing assessment table templates, including modifying structure and content.				
Open Issues:		- Determine if previous reports using the modified assessment table template should be updated or remain unchanged. Most likely not, because it adds extra complexity and heavy backend work.				

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Use Case 3: PsychWorks Staff deletes assessment table template

UC ID and Name:	UC-03: PsychWorks Staff delete assessment table template								
Created By:	Ryan Smith	Date Created:	9/29/2024						
Primary Actor:	Admin	Secondary Actors:	PsychWorks Staff						
Trigger:	The PsychWorks Staff initiates the action to delete an obsolete assessment table template.								
Description:	The PsychWorks Staff wants to delete an obsolete assessment table template to maintain a relevant set of assessment table templates for ongoing use within the System.								
Preconditions:	PRE-1: The Admin is logged into the System. PRE-1: The assessment table template exists in the System. PRE-2: The assessment table template is not in active use in any current form submissions or reports.								
Postconditions:	POST-1. The assessment table template is deleted from the System according to the “Deletion strategy” defined in the Associated Information of this use case. POST-2: The System reflects the removal of the assessment table template in any interface where assessment table templates are listed.								
Main Success Scenario:	<div>1. The PsychWorks Staff identifies an obsolete assessment table template and indicates the intent to delete it.</div> <div>2. The PsychWorks Staff selects the specific assessment table template they wish to delete.</div> <div>3. The System displays options for modifying or deleting the assessment table template.</div> <div>4. The PsychWorks Staff must locate the delete button corresponding to the assessment they wish to remove and press it.</div> <div>5. The PsychWork Staff clicks the delete button associated with the selected assessment table template.</div> <div>6. The System prompts the Staff with a confirmation message, asking if they are sure they want to delete the assessment table template.</div> <div>7. The PsychWorks Staff reviews the confirmation message and either proceeds with deletion or cancels the operation.</div> <div>8. The PsychWorks Staff confirms that the assessment table template is no longer required and wishes to permanently delete it.</div> <div>9. The System notifies the PsychWorks Staff of the successful deletion and updates the assessment table template list accordingly.</div> <div>10. Use case ends.</div>								
Extensions:	4a. The System detects that the assessment table template is in use: 4a1. The System alerts the PsychWorks Staff that the assessment table template is being used in active submissions or reports. 4a2. The PsychWorks Staff must either resolve the dependencies or cancel the deletion.								
Priority:	Medium								
Frequency of Use:	Infrequent, based on assessment table template updates or cleanups.								
Business Rules:	Assessment Table Templates in active use cannot be deleted. The System maintains an audit trail of deleted assessment table templates for compliance.								
Associated Information:	Assessment Table Template detail: <table><tr><th>Property name</th><th>Data type</th></tr><tr><td>Assessment Table Template Name</td><td>String</td></tr><tr><td>Creation Date</td><td>String</td></tr></table>			Property name	Data type	Assessment Table Template Name	String	Creation Date	String
Property name	Data type								
Assessment Table Template Name	String								
Creation Date	String								

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		<table><tr><td>Last Modified Date</td><td>String</td></tr><tr><td>Usage Status</td><td>String</td></tr></table>	Last Modified Date	String	Usage Status	String
	Last Modified Date	String				
	Usage Status	String				
	Deletion strategy: <ul style="list-style-type: none">Assessment table template deletion is a physical delete. In other words, this will permanently remove the assessment table template and the associated entries from the database (cannot be recovered).					
	Notification: <ul style="list-style-type: none">Admin shall be notified and able to review via the admin panel.					
The Admin shall be able to cancel the use case at any time prior to submitting it.						
Related Use Cases:						
Assumptions:						
Open Issues:						

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Use Case 4: PsychWorks Staff list assessment table templates

UC ID and Name:	UC-04: PsychWorks Staff list assessment table templates		
Created By:	Ryan Smith	Date Created:	9/29/2024
Primary Actor:	PsychWorks Staff	Secondary Actors:	None
Trigger:	The PsychWorks Staff initiates a request to find assessment table templates.		
Description:	The PsychWorks Staff wants to find assessment table templates that match specific criteria to select the appropriate one for further actions, such as editing or report generation.		
Preconditions:	PRE-1: The PsychWorks Staff is logged into the System. PRE-2: There are assessment table templates stored in the System. PRE-3: The PsychWorks Staff has the necessary permissions to view and filter assessment table templates.		
Postconditions:	POST-1: A list of assessment table templates matching the specified criteria is displayed to the PsychWorks Staff. It is possible that the list is empty. POST-2: The PsychWorks Staff can select a assessment table template for further actions, such as editing or report generation.		
Main Success Scenario:	<ol style="list-style-type: none"> 1. The PsychWorks Staff initiates a request to find assessment table templates. 2. The System prompts the PsychWorks Staff to enter search criteria based on "Search attributes" defined in the Associated Information section of this use case. 3. The PsychWorks Staff enters one or more search criteria and confirms. 4. The System retrieves all assessment table templates that match the provided search criteria. 5. The System displays the matching assessment table templates according to the "Display strategy" and "Sort criteria" defined in the Associated Information section. 6. The PsychWorks Staff reviews the list and selects a assessment table template for further action. 		
Extensions:	<p>4a. No matching assessment table templates are found:</p> <ul style="list-style-type: none"> • 4a1. The System informs the PsychWorks Staff that no assessment table templates are available matching the criteria. • 4a2. The PsychWorks Staff chooses to either create a new assessment table template or modify the search criteria. <p>5a. The PsychWorks Staff opts to change the display strategy:</p> <ul style="list-style-type: none"> • 5a1. The System displays the current "Display strategy". • 5a2. The PsychWorks Staff customizes the display strategy, confirms, and returns to step 5 of the normal flow. 5b. The PsychWorks Staff opts to re-sort the search results: • 5b1. The System re-sorts the list based on the "Sort criteria" and returns to step 5 of the normal flow. 		
Priority:	High		
Frequency of Use:	Frequent, as it is part of the workflow for generating reports.		
Business Rules:	<ul style="list-style-type: none"> • Only authorized users can access and view the list of assessment table templates. • The list can be sorted and filtered by various criteria such as date, category, or usage. 		
Associated Information:	<p>Search attributes (search criteria):</p> <ul style="list-style-type: none"> • Assessment Table Template name (String, optional, no validation required) 		

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	<ul style="list-style-type: none"> • Creation date or date range (Date, optional, no validation required) • Score type (Enum, optional, no validation required) • Measure (String, optional, no validation required) <p>Display strategy (properties to display for each matching assessment table template):</p> <ul style="list-style-type: none"> • Assessment Table Template name • Measure • Creation date • Updated date <p>Sort criteria:</p> <ul style="list-style-type: none"> • By creation date (default) • By assessment table template name • By measure
Related Use Cases:	UC-1: PsychWorks Staff creates an assessment table template UC-2: PsychWorks Staff modifies existing assessment table template UC-5: PsychWorks Staff generate a report template
Assumptions:	<ul style="list-style-type: none"> • The System provides an interface for listing and filtering assessment table templates. • The PsychWorks Staff has access to the necessary permissions to view and filter assessment table templates.
Open Issues:	<ul style="list-style-type: none"> • Determine if additional filtering options (e.g., by updated date) are required. • Clarify if the System should support batch actions on multiple assessment table templates (e.g., bulk deletion).

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Use Case 5: PsychWorks Staff creates a report template

UC ID and Name:	UC-05: PsychWorks Staff creates a report template		
Created By:	Ben Blake	Date Created:	02/10/2025
Primary Actor:	PsychWorks Staff	Secondary Actors:	
Trigger:	PsychWorks Staff indicate to create a report template.		
Description:	The PsychWorks Staff wants to create a report template using existing assessment table templates.		
Preconditions:	PRE-1. The PsychWorks Staff is logged into the System. PRE-2. The PsychWorks Staff has "report creating" privileges.		
Postconditions:	POST-1. A report template is created and available for generation.		
Main Success Scenario:	<ol style="list-style-type: none"> 1. The PsychWorks Staff indicates to create a new report template. 2. The System asks the Staff to enter the details of this new report template according to the "Details" defined in the Associated Information of this use case. 3. The PsychWorks Staff indicates they want to add an assessment table template to the report template. 4. The System asks the PsychWorks Staff to select an available assessment table template to the report template, the process can be repeated as needed to add additional assessment table templates. 5. The PsychWork Staff is required to include a report template name and will decide its content. 6. The System validates the PsychWorks Staff's inputs. 7. The System validates that the creation of the new report template will not duplicate any existing assessment table template according to the "Duplication detection rules" defined in the Associated Information of this use case. 8. The System displays the details of the new report template and asks the Staff to confirm the creation. 9. The PsychWork Staff either confirms the creation (continues the normal flow) or chooses to modify the details (return to step 2). 10. The System saves the new report template and informs the Staff that this report template has been created. 11. Use case ends. 		
Extensions:	<p>4a. Input validation rule violation:</p> <p>4a1. The System alerts the Staff that an input validation rule is violated and displays the nature and location of the error.</p> <p>4a2. The PsychWork Staff corrects the mistake and returns to step 2 of the normal flow.</p> <p>5a. The System finds possible duplicates from the existing report templates:</p> <p>5a1. The System alerts the Staff that the report template they are trying to create already exists in the System.</p> <p>5a2. The PsychWork Staff either chooses to correct the mistake and return to step 2 of the normal flow or chooses to terminate the use case.</p>		
Priority:	High		
Frequency of Use:	Approximately all PsychWorks Staff		
Business Rules:	BR-1		
Associated Information:			
Related Use Cases	UC-6 , UC-7 , UC-8 , UC-9 , UC-10		
Assumptions:			
Open Issues:			

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Use Case 6: PsychWorks Staff modifies existing report template

UC ID and Name:	UC-06: PsychWorks Staff modifies existing report template					
Created By:	Ben Blake		Date Created:		02/10/2025	
Primary Actor:	PsychWorks Staff		Secondary Actors:			
Trigger:	The PsychWorks Staff indicates to modify the details of an existing report template.					
Description:	The PsychWorks Staff wants to modify an existing report template so that they can keep report templates up-to-date with the latest psychiatric guidelines.					
Preconditions:	PRE-1. The PsychWorks Staff is logged into the System. PRE-2. The PsychWork Staff has the "modify report template" privilege. See the Business Rules of this use case. PRE-3. The report template to be modified exists in the System.					
Postconditions:	POST-1. Changes made to the report template are stored in the System.					
Main Success Scenario:	<div>1. The PsychWorks Staff indicates to modify the details of an existing report template.</div> <div>2. The PsychWork Staff chooses to modify the details of this report template and clicks the edit button on the report they decide to modify.</div> <div>3. The System asks the Staff to make changes to this report template where allowed according to the “Details” defined in the Associated Information and the “Security/access concerns” defined in the Business Rules of this use case.</div> <div>4. The PsychWorks Staff makes changes to this report template until they confirm that they have finished modifying.</div> <div>5. The System validates the Staff’s changes and alerts warning messages according to the “Details” defined in the Associated Information of this use case.</div> <div>6. The System displays the updated details of this report template and alerts the Staff to confirm the changes.</div> <div>7. The PsychWorks Staff either confirms the changes (continues the normal flow) or chooses to continue to modify the details (return to step 4).</div> <div>8. The System saves the changes, carries out the effect of change according to the “Details” defined in the Associated Information of this use case, and informs the Staff that this report template has been modified.</div> <div>9. The System notifies relevant actors about the modification of the assessment table template according to the “Notification” defined in the Associated Information of this use case.</div> <div>10. Use case ends.</div>					
Extensions:	5a. Input validation rule violation: 5a1. The System alerts the Psychworks Staff that an input validation rule is violated and displays the nature and location of the error. 5a2. The PsychWorks Staff acknowledges the error and returns to step 5 of the normal flow.					
Priority:	Medium					
Frequency of Use:	Approximately all PsychWorks Staff, average of 3-5 modifications per month.					
Business Rules:	Security/access concerns: <ul style="list-style-type: none">Only authorized PsychWorks Staff can modify report templates.PsychWorks Staff must have "modify report template" privilege.Some report templates may be locked or restricted from modification.					
Associated Information:	Details:					
	Property name	Data type	Editability	Validation rule	Effect of change	Reference to glossary
	Report Name	String	Yes	Required; must be unique; length between	Used as identifier for report template	

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				1-100 characters		
	Report Description	String	Yes	Optional; length up to 200 characters	Provides context to other users	
	Report Structure	Semi-structured Data	Yes	Required; must follow defined format	Defines columns, rows, formatting	
	Default Values	Data Entries	Yes	Optional	Pre-filled data for future use	
<p>A basic set of commonly used constraints:</p> <ul style="list-style-type: none"> • Checks that the input is not empty (empty means trimmed input length is 0). • Checks whether the specified character sequence's length is between min and max (inclusive). • Checks whether the Report Name is unique (if modified). • Checks whether the Report Structure complies with guidelines. <p>The Staff shall be able to cancel the use case at any time prior to submitting it.</p>						
Related Use Cases						
Assumptions: The System allows for editing and updating existing report templates, including modifying structure and content.						
Open Issues:						

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Use Case 7: PsychWorks Staff delete report template

UC ID and Name:	UC-07: PsychWorks Staff delete report template												
Created By:	Ben Blake	Date Created:	02/10/2024										
Primary Actor:	PsychWorks Staff	Secondary Actors:											
Trigger:	The PsychWorks Staff initiates the action to delete an obsolete report template.												
Description:	The PsychWorks Staff wants to delete an obsolete report template to maintain a relevant set of report templates for ongoing use within the System.												
Preconditions:	PRE-1: The PsychWorks Staff is logged into the System. PRE-1: The report template exists in the System. PRE-2: The report template is not in active use in the System.												
Postconditions:	POST-1. The report template is deleted from the System according to the “Deletion strategy” defined in the Associated Information of this use case. POST-2: The System reflects the removal of the report template in any interface where report templates are listed.												
Main Success Scenario:	<div>1. The PsychWorks Staff identifies an obsolete report template and indicates the intent to delete it.</div> <div>2. The PsychWorks Staff selects the specific report template they wish to delete.</div> <div>3. The System displays options for modifying or deleting the report template.</div> <div>4. The PsychWorks Staff must locate the delete button corresponding to the report template they wish to remove and press it.</div> <div>5. The PsychWork Staff clicks the delete button associated with the selected report template.</div> <div>6. The System prompts the Psychworks Staff with a confirmation message, asking if they are sure they want to delete the report template.</div> <div>7. The PsychWorks Staff reviews the confirmation message and either proceeds with deletion or cancels the operation.</div> <div>8. The PsychWorks Staff confirms that the report template is no longer required and wishes to permanently delete it.</div> <div>9. The System notifies the PsychWorks Staff of the successful deletion and updates the report template list accordingly.</div> <div>10. Use case ends.</div>												
Extensions:	4a. The System detects that the report template is in use: 4a1. The System alerts the PsychWorks Staff that the report template is being used. 4a2. The PsychWorks Staff must either resolve the dependencies or cancel the deletion.												
Priority:	Medium												
Frequency of Use:	Infrequent, based on report template updates or cleanups.												
Business Rules:	BR-1												
Associated Information:	<div>Report Template Details:</div> <table><tr><th>Property Name</th><th>Data Type</th></tr><tr><td>Report Template Name</td><td>String</td></tr><tr><td>Creation Date</td><td>String</td></tr><tr><td>Last Modified Date</td><td>String</td></tr><tr><td>Usage Status</td><td>String</td></tr></table> <div>Deletion strategy:</div>			Property Name	Data Type	Report Template Name	String	Creation Date	String	Last Modified Date	String	Usage Status	String
Property Name	Data Type												
Report Template Name	String												
Creation Date	String												
Last Modified Date	String												
Usage Status	String												

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	<ul style="list-style-type: none"> Report template deletion is a physical delete. In other words, this will permanently remove the report template and the associated entries from the database (cannot be recovered). <p>Notification:</p> <ul style="list-style-type: none"> Admin shall be notified and able to review via the admin panel. <p>The Admin shall be able to cancel the use case at any time prior to submitting it.</p>
Related Use Cases	UC-5 , UC-6 , UC-8 , UC-9 , UC-10
Assumptions:	
Open Issues:	

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Use Case 8: PsychWorks Staff list report templates

UC ID and Name:	UC-08: PsychWorks Staff list report templates		
Created By:	Alexandra Teran	Date Created:	02/10/2024
Primary Actor:	PsychWorks Staff	Secondary Actors:	
Trigger:	PsychWorks Staff indicate they want to list all available report templates.		
Description:	The PsychWorks Staff wants to view a list of all generated report templates available in the System. This allows them to access, review, or download reports as needed for patient assessment and documentation.		
Preconditions:	PRE-1: The PsychWorks Staff is logged into the System. PRE-2: The PsychWorks Staff has “report generating” privileges. PRE-3: At least one report template exists in the System.		
Postconditions:	POST-1: A list of available report templates is displayed. POST-2: The System allows users to sort and filter reports based on parameters. POST-3: ThePsychWork Staff can perform actions on reports such as view, edit, or delete.		
Main Success Scenario:	<ol style="list-style-type: none"> 1. The PsychWorks Staff indicates they want to list a report on the System by clicking the “Reports” tab in the navigation menu. 2. The System retrieves a list of all reports stored in the database. 3. The System displays the reports in a structured format 4. The PsychWorks Staff can use the search bar to find a specific report. 5. Use Case ends. 		
Extensions:	4a. No Reports Available <ul style="list-style-type: none"> - 4a1. The System detects that no reports are available. - 4a2. The PsychWorks Staff returns to the main page. 		
Priority:	High		
Frequency of Use:	Approximately all PsychWorks Staff		
Business Rules:	BR-1		
Associated Information:			
Related Use Cases	UC-5 , UC-6 , UC-7 , UC-9 , UC-10		
Assumptions:			
Open Issues:	<ul style="list-style-type: none"> - Determine if additional filtering options (e.g., by updated date) are required. - Clarify if the System should support batch actions on multiple reports (e.g., bulk deletion). 		

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Use Case 9: PsychWorks Staff generate a report template

UC ID and Name:	UC-09: PsychWorks Staff generate a report template		
Created By:	Roland Andrade	Date Created:	09/30/2024
Primary Actor:	PsychWorks Staff	Secondary Actors:	
Trigger:	PsychWorks Staff indicate to generate a report template.		
Description:	The PsychWorks Staff wants to generate a report template using existing data to avoid hand writing reports. The report generation process ensures the data is validated, structured, and presented according to predefined parameters.		
Preconditions:	PRE-1. The PsychWorks Staff is logged into the System. PRE-2. The PsychWorks Staff has “report generating” privileges.		
Postconditions:	POST-1. A report template is generated and available for download. POST-2: Report is editable post-generation. POST-3. The report template may be sent to the patient in various formats (PDF, email, etc.).		
Main Success Scenario:	<ol style="list-style-type: none"> 1. The PsychWorks Staff indicates they want to generate a report on the System. 2. The System prompts the PsychWorks Staff to select the assessment(s) they would like to generate a report of. 3. The PsychWorks Staff enters the required parameters and confirms the selection. 4. The System retrieves patient data from the selected tables. 5. The System asks to name the Report Table. 6. The System validates the retrieved data for completeness and consistency. 7. The System generates the report template using the “Report Generation Algorithm” defined below and displays it in a structured format. 8. The PsychWorks Staff reviews the generated report, makes any necessary edits, and confirms its correctness. 9. The System updates the status of the report to “Generated” and offers options for downloading, printing, or sharing the report. 10. Use case ends. 		
Extensions:	<p>4a. Input validation rule violation</p> <ul style="list-style-type: none"> - 4a1. The System alerts the PsychWorks Staff that an input validation rule is violated and displays the nature and location of the error. - 4a2. The PsychWorks Staff corrects the mistake and returns to step 4 of the normal flow. <p>6a. The System alerts the PsychWorks Staff that the patient tables are empty and that a report cannot be generated without data</p> <ul style="list-style-type: none"> - 6a2. The PsychWorks Staff enters all the patient data and returns to step 3 of the normal flow. <p>6b. Patient tables incomplete</p> <ul style="list-style-type: none"> - 6b1. The System alerts the PsychWorks Staff that some patient tables are incomplete and highlights which tables are missing data. - 6b2. The PsychWorks Staff enters all the corresponding patient data and returns to step 3 of the normal flow. <p>8a. Errors in the generated report</p> <ul style="list-style-type: none"> - 8a1. The PsychWorks Staff identifies errors in the report. - 8a2. The PsychWorks Staff edits the report directly and returns to step 9 of the normal flow. 		
Priority:	High		
Frequency of Use:	Approximately all PsychWorks Staff, average of 6-8 reports generated per psychologists		
Business Rules:	BR-1		
Associated Information:	Report generating parameters: <ul style="list-style-type: none"> ● Report title: Neuropsychological Evaluation ● Data source: Psychologists 		

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	<ul style="list-style-type: none"> • Report Template source: The System • Report visualization (table, charts, graph): table • Sorting criteria: N/A • Pagination criteria if table visualization is selected: N/A • Disposition of the report after it is generated: display in the System and printed • Format of the generated report: PDF <p>Report generating algorithm:</p> <ul style="list-style-type: none"> • The required data is based on the specific report template that the psychologist chooses. After data has been input, the System calculates the percentile of the data based on their predefined type (e.g., z-score, t-score). Then, the System maps the percentile to the corresponding text description. The System displays the data and the percentiles via the report template, followed by the text description.
Related Use Cases	UC-5 , UC-6 , UC-7 , UC-8 , UC-10
Assumptions:	
Open Issues:	<ul style="list-style-type: none"> - Clarify if additional formatting options (e.g., charts) are required. - Determine if the System should allow batch report generation for multiple patients at once.

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Use Case 10: PsychWorks Staff sign up for the System

UC ID and Name:	UC-10: PsychWorks Staff sign up for the System		
Created By:	Sion Kim	Date Created:	
Primary Actor:	PsychWorks Staff		
Trigger:	The PsychWorks Staff navigates to the System's sign-up page and initiates account creation.		
Description:	The PsychWorks Staff wants to sign up for the System to gain access to patient data, reports, or System management features. The System validates the provided information, creates a new user account, and sends a confirmation email if required.		
Preconditions:	PRE-1: System registration endpoint is operational. PRE-2: The PsychWorks Staff has no existing account. PRE-3: The PsychWorks Staff has access to a valid email address.		
Postconditions:	POST-1: The PsychWorks Staff account is created and saved in the System. POST-2: The PsychWorks Staff is notified that their account has been successfully created and is awaiting approval if necessary.		
Main Success Scenario:	<ol style="list-style-type: none"> 1. The PsychWorks Staff navigates to the System sign-up page. 2. The System prompts the PsychWorks Staff to enter the details of this new account according to the "Parameters" defined in the Associated Information of this use case. 3. The PsychWorks Staff enters the required information and submits the registration request. 4. The System validates the PsychWorks Staff's inputs according to the "Criteria" defined in the Associated Information of this use case. 5. The System creates a new user account in the auth.users table with the provided email and encrypted password. 6. The System sends a confirmation email to the PsychWorks Staff if email confirmation is required. 7. The System notifies the PsychWorks Staff that their account has been successfully created and provides instructions for email confirmation if applicable. 8. Use case ends. 		
Extensions:	<p>4a: Required information missing or invalid:</p> <ul style="list-style-type: none"> - 4a1: The System alerts the PsychWorks Staff of the missing or invalid data (e.g., invalid email format or password too short). - 4a2: The PsychWorks Staff corrects the information and returns to step 3 of the main success scenario. <p>5a: Duplicate account detected:</p> <ul style="list-style-type: none"> - 5a1: The System detects that the PsychWorks Staff already has an account. - 5a2: The System alerts the PsychWorks Staff that they already have an existing account and offers the option to recover their login information or terminate the use case. <p>6a. Email confirmation required:</p> <ul style="list-style-type: none"> - 6a1: The System detects that email confirmation is required (e.g., the user's email is not yet confirmed). - 6a2: The System sends a confirmation email to the PsychWorks Staff and notifies them to check their email for the confirmation link. - 6a3: The PsychWorks Staff confirms their email by clicking the link in the confirmation email. 		
Priority:	High		
Frequency of Use:	Infrequent, typically during the onboarding of new PsychWorks Staffs.		
Business Rules:	<ul style="list-style-type: none"> - The email must be unique and not associated with an existing account. - The password must be at least 8 characters long. 		

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	<ul style="list-style-type: none"> - Email confirmation may be required depending on System configuration. - The System must comply with security and privacy regulations (e.g., HIPAA).
Associated Information:	<p>Parameters/Criteria:</p> <ul style="list-style-type: none"> - Email: Must be a valid email address and unique. - Password: Must be at least 8 characters long. <p>Account Creation Flow:</p> <ol style="list-style-type: none"> 1. PsychWorks Staff accesses the registration page. 2. System checks for an existing account or duplicate registration. 3. If no account exists, the System creates a new entry in the auth.users table. 4. The System sends a confirmation email if required. <p>Error Handling:</p> <ul style="list-style-type: none"> - If the email is already registered, the System alerts the user and offers account recovery options. - If the password is too short, the System prompts the user to enter a valid password.
Related Use Cases:	
Assumptions:	<ul style="list-style-type: none"> • The PsychWorks Staff has access to their email for verification and confirmation purposes. • The System is configured to require email confirmation for new accounts.
Open Issues:	<ul style="list-style-type: none"> • Determine if additional user information (e.g., name, phone number) should be collected during sign-up. • Clarify if the System should support social login (e.g., Google, Microsoft) for account creation.

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Use Case 11: PsychWorks Staff views assessment table template

UC ID and Name:	UC-11: PsychWorks Staff views assessment table template					
Created By:	Alexandra Teran		Date Created:	02/10/2024		
Primary Actor:	PsychWorks Staff		Secondary Actors:			
Trigger:	The PsychWorks Staff selects an assessment table template from the System’s list view.					
Description:	PsychWorks Staffs must access assessment table templates to examine assessment structures, measurement criteria, and associated domains or subtests. The System presents a well-organized interface that enables users to review existing assessment table templates in detail before making modifications or utilizing them in reports.					
Preconditions:	PRE-1: The PsychWorks Staff is logged into the System. PRE-2: The PsychWorks Staff has the required permissions to view assessment table templates. PRE-3: At least one assessment table template exists in the System.					
Postconditions:	POST-1: The selected assessment table template is displayed with all its details. POST-2: The System allows users to navigate back to the list of assessment table templates.					
Main Success Scenario:	<div>1. The PsychWorks Staff navigates to the assessment table template page.</div> <div>2. The System retrieves and displays a list of available assessment table templates.</div> <div>3. The PsychWorks Staff clicks the “View” (eye icon) button for a specific assessment table template.</div> <div>4. The System loads the detailed view of the selected assessment table template, According to the “Details” defined in the Associated Information section of this use case.</div> <div>5. The PsychWorks Staff reviews the assessment table template.</div> <div>6. The PsychWorks Staff reviews the assessment table template details.</div> <div>7. The System provides a “Back to List” button for returning to the main assessment table template list.</div> <div>8. The use case ends.</div>					
Extensions:	4a. No Assessment Table Template Available <div>- 4a1. The System detects that no assessment table template exist.</div> <div>- 4a2. The PsychWorks Staff can navigate to the Create assessment table template section.</div>					
Priority:	High					
Frequency of Use:	Approximately all PsychWorks Staff					
Business Rules:	BR-1					
Associated Information:	Details:					
	Property name	Data type	Editability	Validation rule	Effect of change	Reference to glossary
	Assessment Table Template Name	String	Yes	Required; must be unique; length between 1-100 characters	Used as identifier for assessment table template	
	Assessment Table Template Description	String	Yes	Optional; length up to 200 characters	Provides context to other users	

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	Assessment Table Template Structure	Semi-structured Data	Yes	Required; must follow defined format for either behavioral or cognitive test types as specified by the below tables.	Defines columns, rows, formatting	
	Default Values	Data Entries	Yes	Optional	Pre-filled data for future use	
Related Use Cases	UC-6					
Assumptions:	<ul style="list-style-type: none"> - The System provides an interface for viewing assessment table template details in a structured format. - The PsychWorks has the necessary permissions to access and view assessment table templates. 					
Open Issues:						

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Use Case 12: PsychWorks Staff resets password

UC ID and Name:	UC-12: PsychWorks Staff resets password		
Created By:	Will Peck	Date Created:	02/24/2025
Primary Actor:	PsychWorks Staff	Secondary Actors:	
Trigger:	The PsychWorks Staff forgets their password and would like to reset it.		
Description:	PsychWorks Staff may forget their password and need to reset it. The PsychWorks Staff will indicate that they would like to send a reset password request, and provide their email address. The System will then send an email directing them to enter their new password.		
Preconditions:	PRE-1: The PsychWorks Staff has existing credentials associated with their email address, as defined in Use Case 10. PRE-2: The PsychWorks Staff member can access emails from their PsychWorks email address.		
Postconditions:	POST-1: The PsychWorks Staff can now use their new password for authentication.		
Main Success Scenario:	<ol style="list-style-type: none"> 1. The PsychWorks Staff indicate that they have forgotten their password and would like to reset it. 2. The System prompts the PsychWorks Staff to enter their email address associated with their credentials. 3. The PsychWorks Staff inputs their email address. 4. The System sends a password reset email to the PsychWorks Staff email address. 5. The Psychworks Staff navigate to the password reset page and input their new password. 6. The System indicates to the PsychWorks Staff that their password was successfully reset and the new password can be used for future authentication. 		
Extensions:	-		
Priority:	High		
Frequency of Use:	Very low, likely 3-5 times per year.		
Business Rules:	BR-1		
Associated Information:	Details:		
Related Use Cases	UC-10		
Assumptions:	- The PsychWorks Staff has existing credentials associated with their email address, as defined in Use Case 11.		
Open Issues:			

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Use Case 13: Admin views list of all users

UC ID and Name:	UC-13: Admin views list of all users		
Created By:	Will Peck	Date Created:	03/12/2025
Primary Actor:	Admin user	Secondary Actors:	Psychworks staff
Trigger:	The admin user wants to view the existing Psychworks staff users		
Description:	The admin may want to delete a user. If, say, a Psychworks staff member leaves the company, the admin may want to get rid of that staff member's existing credentials.		
Preconditions:	PRE-1: The user is an admin user. PRE-2: There are existing users in the system		
Postconditions:	POST-1: The list of users is presented to the admin		
Main Success Scenario:	<ol style="list-style-type: none"> 1. The admin user indicates to list all existing users. 2. The system fetches the list of users from the database 3. The system displays all existing users 		
Extensions:	2a: <ul style="list-style-type: none"> - The system fails to fetch users. - The system displays an error to indicate this failure. 		
Priority:	High		
Frequency of Use:	Low, likely 1-3 times every 3 months		
Business Rules:	BR-1		
Associated Information:	Details:		
Related Use Cases			
Assumptions:	<ul style="list-style-type: none"> - The user is an admin user 		
Open Issues:			

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Use Case 14: Admin deletes user

UC ID and Name:	UC-14: Admin user deletes user		
Created By:	Will Peck	Date Created:	03/12/2025
Primary Actor:	Admin user	Secondary Actors:	Psychworks staff
Trigger:	The admin user wants to delete an existing Psychworks staff user		
Description:	The admin may want to delete a user. If, say, a Psychworks staff member leaves the company, the admin may want to get rid of that staff member's existing credentials.		
Preconditions:	PRE-1: The user is an admin user. PRE-2 The targeted user for deletion has existing credentials.		
Postconditions:	POST-1: The PsychWorks staff member can no longer use their previous credentials for authentication. Additionally, these credentials are removed from the database.		
Main Success Scenario:	<ol style="list-style-type: none"> 1. The admin user indicates to delete an existing user 2. The admin user lists all users, as specified in UC-13 3. The admin indicates which specific user they wish to delete 4. The system warns the user that this action is irreversible 5. The admin acknowledges the consequences and confirms the deletion 6. The system deletes the user from the database and refreshes the list of users 		
Extensions:	5a: <ul style="list-style-type: none"> - The admin acknowledges the consequences and cancels the deletion operation 		
Priority:	High		
Frequency of Use:	Very low, likely 1-3 times per year.		
Business Rules:	BR-1		
Associated Information:	Details:		
Related Use Cases	UC-13		
Assumptions:	- The user is an admin user		
Open Issues:			

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Use Case 15: Admin changes a user's template deletion permissions

UC ID and Name:	UC-15: Admin user changes a user's template deletion permissions		
Created By:	Will Peck	Date Created:	03/12/2025
Primary Actor:	Admin user	Secondary Actors:	Psychworks staff
Trigger:	The admin user wants to promote or demote an existing Psychworks staff user		
Description:	The admin may want to grant or revoke a Psychworks staff member's ability to delete report/assessment templates.		
Preconditions:	PRE-1: The user is an admin user. PRE-2 The targeted Psychworks staff member has existing credentials in the database.		
Postconditions:	POST-1: The targeted PsychWorks staff member can now either delete report/assessment templates, or can no longer delete them.		
Main Success Scenario:	<ol style="list-style-type: none"> 1. The admin user indicates to grant or revoke assessment and report deletion access from an existing user 2. The admin user lists all users, as specified in UC-13 3. The admin indicates which specific user they would like grant/revoke assessment and report deletion access to 4. The system grants/revokes assessment and report deletion access to the targeted user depending on which option was chosen by the admin in the previous step 		
Extensions:	-		
Priority:	High		
Frequency of Use:	Very low, likely 1-3 times per year. Many times during initial onboarding of existing staff.		
Business Rules:	BR-1		
Associated Information:	Details:		
Related Use Cases	UC-13		
Assumptions:	- The user is an admin user		
Open Issues:			

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Business Rules

BR-1: Must comply with HIPAA (Health Insurance Portability and Accountability Act) guidelines. See more at <https://www.hhs.gov/hipaa/>.