BMW Quarter Horses

BMWPHD
Use Cases

Version 2.0

Revision History

Date	Version	Description	Author
09/27/22	1.0	Initial draft of use cases	David, Chirayu, Madison, Jerry
09/30/22	1.1	Making use cases higher quality	David, Chirayu, Madison, Jerry
02/27/23	2.0	Update use cases based on working version	Madison

Find All Horses

UC ID and Name:	UC-01: Find All Horses		
Created By:	Madison Gresham	Date Created:	02/28/2023
Primary Actor:	User	Secondary Actors:	
Trigger:	The User indicates to find all horses.		
Description:	The User wants to find all horses in the database.		
Preconditions:	N/A		
Postconditions:	POST-1. All horses in the database are displayed to the User.		
Main Success Scenario:	1. The User indicates to all horses in the database. 2. The System finds and displays all horses in the database. . 3. Use case ends.		
Extensions:			
Priority:	High		
Frequency of Use:	Approximately 50 users, average of 100 usages per week.		
Business Rules:			
Associated Information:	Search results display strategy (specify which properties to display for each matching maneuver scores): ● Horse Name ● Sire ● Dam ● Maneuver Score		
Related Use Cases:	The User can perform other actions after this use case. After this use case succeeds, the User may select any of the displayed horses and take any of the following actions on the selected item: ● UC-02: View information linked to pedigree ● UC-03: Search Multiple Parameters at Once		
Assumptions:			
Open Issues:			

Find a Horse based on Name

UC ID and Name:	UC-02: Find a Horse Based on Name		
Created By:	Madison Gresham	Date Created:	02/28/2023
Primary Actor:	User	Secondary Actors:	
Trigger:	The User indicates to find a horse based on name.		
Description:	The User wants to find a horse based on the horse's name.		
Preconditions:	N/A		
Postconditions:	POST-1. The details of the specified search horse are displayed to the User.		
Main Success Scenario:	1. The User indicates to find a horse based on name. 2. The System prompts the User for the horse's name 3. The User inputs the name of the horse and indicates that he/she has finished entering. 4. The System retrieves the horse's information and displays it to the user. 5. Use case ends.		
Extensions:			
Priority:	High		
Frequency of Use:	Approximately 50 users, average of 100 usages per week.		
Business Rules:			
Associated Information:	Search results display strategy (specify which properties to display for each matching maneuver scores): - Horse Name - Sire - Dam - Maneuver Score		
Related Use Cases:	The User can perform other actions after this use case. After this use case succeeds, the User may select any of the displayed horses and take any of the following actions on the selected item: - UC-01: Find All Horses - UC-03: Search Multiple Parameters at Once		
Assumptions:			
Open Issues:			

Search Multiple Parameters at Once

UC ID and Name:	UC-03: Search Multiple Parameters at Once		
Created By:	Jerry Wu	Date Created:	09/27/2022
Primary Actor:	User	Secondary Actors:	
Trigger:	The User indicates to search multiple parameters at once		
Description:	As a user, they are able to search multiple parameters at once to narrow down a field of horses to potentially buy that fit multiple search criteria.		
Preconditions:	N/A		
Postconditions:	POST-1. Search results will show, although it is possible that the list is empty.		
Main Success Scenario:	1. The User indicates to search multiple parameters at once. 2. The System asks the User to select criteria they want to combine to search. 3. The System prompts the User for data for the selected criteria 4. The user enters the data for the selected criteria and confirms he/she has finished entering 5. The System retrieves and displays the details of the result of the search. 6. The User views the details of the details of the result of the search. 7. Use case ends.		
Extensions:	**5a. No match is found** 5a1. The System alerts the User that no match with the specified criteria has been found 5a2. The use case ends.		
Priority:	High		
Frequency of Use:	Approximately 50 user, average of 100 users per week.		
Business Rules:			
Associated Information:	Search criteria:: (see table below)		
Related Use Cases:			
Assumptions:			
Open Issues:			

Search criteria::

Search property name	Data type	Validation rule	Reference to glossary: 1 Glossary
Name	String	Non-empty string	
Sire	String	Non-empty string	2.1.5
Dam	String	Non-empty string	2.1.1
Dam Sire	String	Non-empty string	2.1.2
2nd Dam	String	Non-empty string	2.1.6
Maneuver Scores	String	Non-empty string	2.3.7
LTE	String	Non-empty string	2.2.1
PE	String	Non-empty string	2.2.3
Show	String	Non-empty string	
Class	String	Non-empty string	2.3.2
Level	String	Non-empty string	2.3.6
Foul Date	String	Non-empty string	2.1.3
European Opt	String	Non-empty string	2.3.4
Year	String	Non-empty string	2.1.7
Nominator	String	Non-empty string	2.3.8

The User shall be able to cancel the use case at any time by emptying the search bar.

View Horse Details

UC ID and Name:	UC-04: View Horse Details		
Created By:	Madison Gresham	Date Created:	02/28/2023
Primary Actor:	User	Secondary Actors:	
Trigger:	The User indicates to view all horse details.		
Description:	The User wants to view all details of a horse.		
Preconditions:	N/A		
Postconditions:	POST-1. The details of the specified horse are displayed to the User.		
Main Success Scenario:	1. The User indicates to view the details of a horse. . 2. The System retrieves the horse's information and displays it to the user. 3. Use case ends.		
Extensions:			
Priority:	High		
Frequency of Use:	Approximately 50 users, average of 100 usages per week.		
Business Rules:			
Associated Information:	Search results display strategy (specify which properties to display for each matching maneuver scores): ● Name ● Sire ● Dam ● Dam Sire ● Second Dam ● Maneuver Score ● LTE ● PE ● Show ● Class ● Level ● Foul Date ● European Opt. ● Year ● Nominator		
Related Use Cases:			
Assumptions:			
Open Issues:			

Generate a Report

UC ID and Name:	UC-05: Generate a Report		
Created By:	Jerry Wu	Date Created:	09/30/2022
Primary Actor:	User	Secondary Actors:	Report recipient(s)
Trigger:	The User indicates to generate a report		
Description:	The User wants to generate a report by downloading a PDF copy of the horse details page.		
Preconditions:	PRE-1. The user has navigated to the horse details page for a specific horse.		
Postconditions:	POST-1. The report has been downloaded to the machine of the user POST-2. The user can access the report.		
Main Success Scenario:	1. The User indicates to generate a report. 2. The System converts the page to a PDF and saves it to the machine of the user. 3. The User views the downloaded PDF. 4. Use case ends.		
Extensions:			
Priority:	High		
Frequency of Use:	Approximately 50 user, average of 100 usages per week.		
Business Rules:			
Associated Information:			
Related Use Cases:			
Assumptions:			
Open Issues:			

View All User Information

UC ID and Name:	UC-06: View All User Information		
Created By:	Jerry Wu, Chirayu Jain	Date Created:	09/30/2022
Primary Actor:	Admin	Secondary Actors:	
Trigger:	The Admin indicates to view the details of the user information.		
Description:	The Admin wants to view the details of all user's of the system		
Preconditions:	PRE-1. The User is logged into the system as an admin.		
Postconditions:	POST-1. The details of the specified information are displayed to the User.		
Main Success Scenario:	1. The User indicates to view the details of all users of the system 2. The System retrieves and displays the details of all users of the system 3. The User views the details of all users of the system. 4. Use case ends.		
Extensions:			
Priority:	High		
Frequency of Use:	Approximately 1 user, average of 1 usages per week.		
Business Rules:	Security/access concerns ● Only those who are granted access to user information have the login information for the accounts with admin privileges		
Associated Information:	Details: <table><tr><td>**Property Name**</td><td>**Data Type**</td><td>**Editability**</td></tr><tr><td>Name</td><td>String</td><td>Yes</td></tr><tr><td>Email</td><td>String</td><td>Yes</td></tr><tr><td>Role</td><td>String</td><td>Yes</td></tr><tr><td>Active</td><td>Bool</td><td>Yes</td></tr></table>		
Related Use Cases:	After this use case succeeds, the User may take any of the following actions: ● UC-07: Edit a User		
Assumptions:			
Open Issues:			

Edit Users

UC ID and Name:	UC-07: Edit Users		
Created By:	Jerry Wu	Date Created:	09/30/2022
Primary Actor:	Admin	Secondary Actors:	
Trigger:	The Admin indicates to edit user information.		
Description:	The Admin wants to edit a user's information		
Preconditions:	PRE-1. The User is logged into the system as an admin.		
Postconditions:	POST-1. The user information has been edited, updated in the backend, and the updated information is displayed to the user.		
Main Success Scenario:	1. The User indicates to perform the action of editing a user's information. 2. The System asks the User to select criteria they want to edit. 3. The User enters one or more criteria that he/she wants to edit and confirms he/she has finished. 4. The system validates the editing of the user and sends the request to the database 5. The system notifies the user that the user's information has been updated and displays the updated information to the user. 6. Use case ends.		
Extensions:	**4a. The user decides the information for the user is correct and that he/she does not want to edit the user** 4a1. The User notifies the System that he/she does not want to edit the user 4a2. The use case ends		
Priority:	High		
Frequency of Use:	Approximately 1 user, average of 1 usages per week.		
Business Rules:	Security/access concerns ● Only those who are granted access to user information have the login information for the accounts with admin privileges		
Associated Information:	Edition strategy: ● Physical delete: permanently remove the user from the database ● Deactivate: deactivate the user, user still exists in the database but cannot interact with the system The User shall be able to cancel the use case at any time prior to submitting it.		
Related Use Cases:	The User may first choose to UC-06: View All User Information, then decide to edit one or more users		
Assumptions:			
Open Issues:			

Flag a Horse

UC ID and Name:	UC-08: Flag a Horse		
Created By:	Madison Gresham	Date Created:	02/28/2023
Primary Actor:	User	Secondary Actors:	
Trigger:	The User indicates to flag a horse.		
Description:	The User wants to flag a horse and suggest an edit to the horse's information to be approved by the admin team		
Preconditions:	PRE-1. The User is logged into the system.		
Postconditions:	POST-1. The horse has been flagged, the request has been logged in the BE, and the request is available for the admin team to approve, edit, or deny		
Main Success Scenario:	1. The User indicates to flag a horse 2. The System asks the User to enter the horse's information that he/she wants to edit 3. The User enters the horse's information that he/she wants to edit and confirms he/she has finished. 4. The System validates the entered information and sends the request to the database 5. The System notifies the User that the flagged horse has been sent to the admin team 6. The System displays the new request to the Admin team 7. Use case ends.		

Extensions:	**4a. The user decides the information for the horse is correct and that he/she does not want to flag the horse**
	    4a1. The User notifies the System that he/she does not want to flag a horse
	    4a2. The use case ends		

Priority:	High		
Frequency of Use:	Approximately 2 users, average of 1 usages per week.		
Business Rules:			
Associated Information:			
Related Use Cases:			
Assumptions:			
Open Issues:			

View All Flagged Horse Requests

UC ID and Name:	UC-09: View All Flagged Horse Requests		
Created By:	Madison Gresham	Date Created:	02/28/2023
Primary Actor:	Admin	Secondary Actors:	
Trigger:	The Admin indicates to view the details of all flagged horse requests.		
Description:	The Admin wants to view the details of all flagged horse requests		
Preconditions:	PRE-1. The User is logged into the system as an admin.		
Postconditions:	POST-1. The details of the specified information are displayed to the User.		
Main Success Scenario:	5. The User indicates to view the details of all flagged horse requests. 6. The System retrieves and displays the details of all flagged horse requests. 7. The User views the details of all flagged horse requests. 8. Use case ends.		
Extensions:			
Priority:	High		
Frequency of Use:	Approximately 1 user, average of 1 usages per week.		
Business Rules:	Security/access concerns ● Only those who are granted access to user information have the login information for the accounts with admin privileges		
Associated Information:	Details:<table><tr><th>Property Name</th><th>Data Type</th><th>Editability</th></tr><tr><td>User Email</td><td>String</td><td>No</td></tr><tr><td>Horse Name</td><td>String</td><td>Yes</td></tr><tr><td>Attribute</td><td>String</td><td>Yes</td></tr><tr><td>Suggested Change</td><td>String</td><td>Yes</td></tr><tr><td>Status</td><td>String</td><td>Yes</td></tr></table>		
Related Use Cases:	After this use case succeeds, the User may take any of the following actions: ● UC-10: Edit a Flagged Horse Request		
Assumptions:			
Open Issues:			

Edit a Flagged Horse Request

UC ID and Name:	UC-10: Edit a Flagged Horse Request		
Created By:	Madison Gresham	Date Created:	02/28/2023
Primary Actor:	Admin	Secondary Actors:	
Trigger:	The Admin indicates to edit a flagged horse request.		
Description:	The Admin wants to edit a flagged horse request.		
Preconditions:	PRE-1. The User is logged into the system as an admin.		
Postconditions:	POST-1. The horse has been edited/updated in the database and the changes are displayed to all users when there is a search that displays the specific horse that has been changed		
Main Success Scenario:	1. The User indicates to perform the action of editing a flagged horse request 2. The System asks the User to select criteria they want to edit. 3. The User enters one or more criteria that he/she wants to edit and confirms he/she has finished. 4. The system validates the editing of the flagged horse request and sends the request to the database 5. The system notifies the user that the flagged horse request's information has been updated and displays the updated information to the user. 6. Use case ends.		

Extensions:	**1a. The user approves the flagged horse request**
	   1a1. The User notifies the System that the flagged horse request is approved
	   1a2. The System validates the approval of the flagged horse request, updates the horse's information in the database, and the changes are displayed to all users when there is a search that displays the specific horse that has been changed
	   1a3.. The use case ends.
	2a. The user denied the flagged horse request
	   1a1. The User notifies the System that the flagged horse request is denied
	   1a2. The System updates the flagged horse request's status to be denied.
	   1a3.. The use case ends.
	3a. The user decides the information for the flagged horse is correct and that he/she does not want to edit the request
	   3a1. The User notifies the System that he/she does not want to edit the flagged horse request
	   3a2. The use case ends		

Priority:	High		
Frequency of Use:	Approximately 1 user, average of 1 usages per week.		
Business Rules:	Security/access concerns ● Only those who are granted access to user information have the login information for the accounts with admin privileges		
Associated Information:	Edition strategy: ● Deny: denies the horse request, horse request still exists in the database but the suggested changes to the horse have not been applied The User shall be able to cancel the use case at any time prior to submitting it.		
Related Use Cases:	The User may first choose to UC-08: View All Flagged Horse Requests, then decide to edit one or more flagged horse requests		
Assumptions:			
Open Issues:			