

Fort Worth PsychWorks

2025 SENIOR DESIGN PRESENTATION

Alexandra Teran, Ben Blake, Hien Dau, Roland Andrade,
Ryan Smith, Sion kim, Will Peck

MEET THE TEAM



Technical Writer
Alexandra Teran



QA/Test Engineer
Ben Blake



Full Stack Developer
Hien Dau



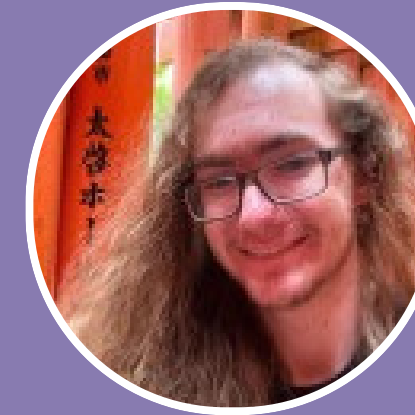
Full Stack Developer
Roland Andrade



Full Stack Developer
Ryan Smith



Full Stack Developer
Sion Kim



Authentication Specialist
Will Peck

AGENDA

- Client Introduction
- Problem Statement
- Approach
- Tech Stack
- Application Workflow
- Demo
- Acknowledgements



Dr. Justin Gaddis

OUR CLIENT

Psychology Clinic – Fort Worth, TX
Specializing in Psychological Assessment

Focus Areas:

- Attention-Deficit/Hyperactivity Disorder (ADHD)
- Autism Spectrum Disorder (ASD)
- Anxiety and Depression
- Obsessive-Compulsive Disorder (OCD) and Related Disorders



THE PROBLEM

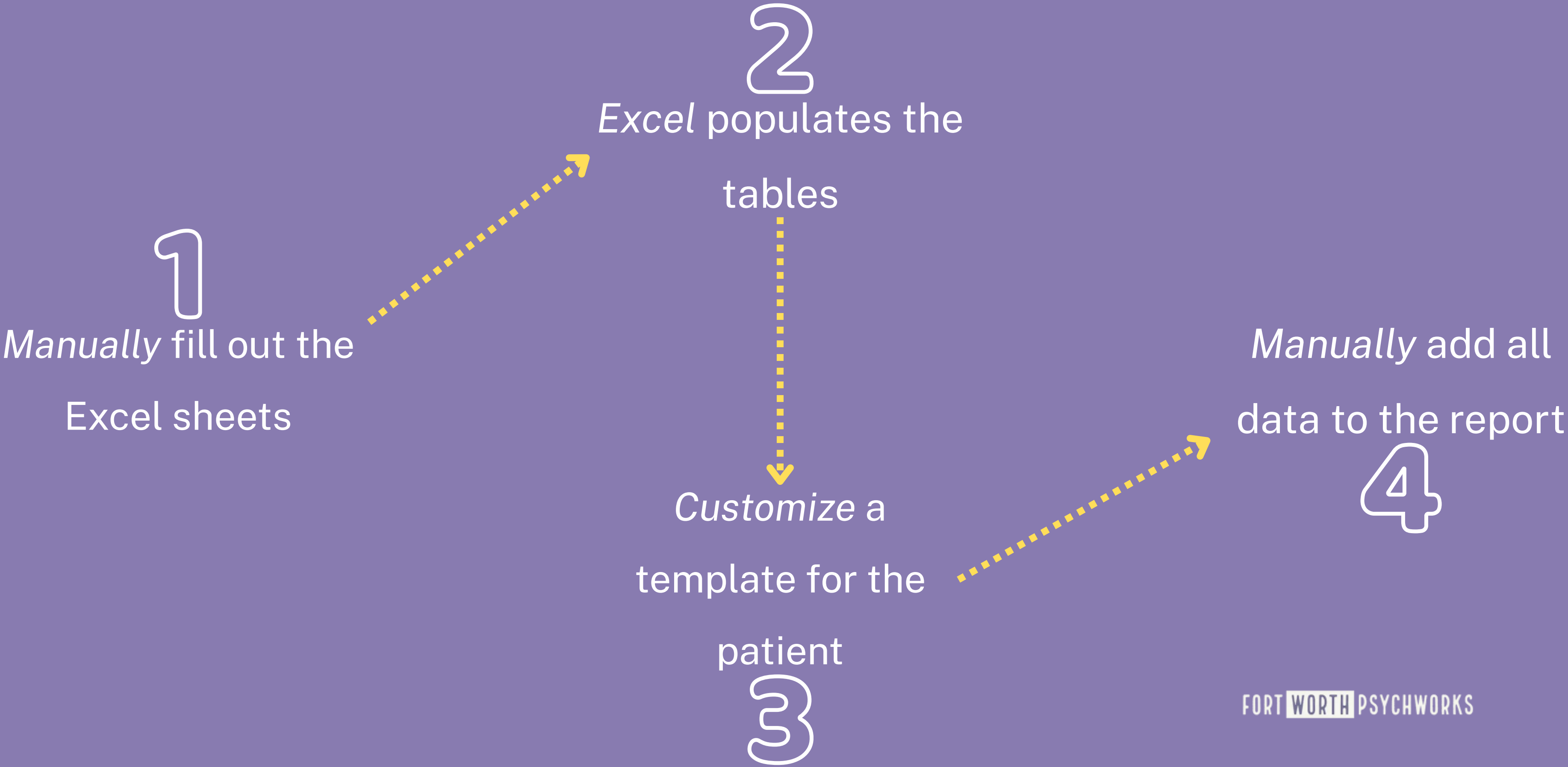
PROBLEM STATEMENT

The primary problem for Psychworks Fort Worth lies in their report creation process. Currently, psychiatrists spend from 1–2 hours per patient manually customizing templates.

Domain (Measure)	Subtest/ Scale	Score1	%ile	Percentile			
				0-8 Very Low	9-24 Low Av.	25-74 Average	75-100 High Av.
Phonological Processing (CTOPP)	<i>Phonological Awareness</i>	StS: 75	5				
	Elision	ScS: 10	50				
	Blending Words	ScS: 9	37				
	<i>Phonological Memory</i>	StS: 89	23				
	memory for Digits	ScS: 12	75				
	non word repetition	ScS: 8	25				

Psychworks Current Table

CLIENTS' PREVIOUS WORKFLOW





WHAT WE CAME UP WITH

Assessment Creation

Domain Name:

⊖

Enter Domain name

+ Add Child Subtest

Subtest Name:

⊖

Enter Subtest name

Score Type:

Score

Subtest Name:

⊖

Enter Subtest name

Score Type:

Score

+ Add Domain

+ Add Standalone Subtest

Next

Create Assessment Table Templates

Streamlined Report Creation: Reports Made Simple, Results Made Clear

FORT WORTH PSYCHWORKS

AssessmentsR

Adult Female MASTER Template

Expand AllCollapse All

California Verbal Learning Test – Third Edition

CVLT-3

Measured Area (Assessment)	Domain/Subtest	Scale	Score	%tile	Percentile			
					Very Low (0-8)	Low Av. (9-24)	Average (25-74)	High Av. (75-100)
California Verbal Learning Test – Third Edition (CVLT-3)	Trials 1-4	StS:	95	37%	<div></div>			
	Delayed Recall Correct	StS:	93	32%	<div></div>			
	Total Recall Correct	StS:	90	25%	<div></div>			
	Long Delay Free	ScS:	5	5%	<div></div>			
	Long Delay Cued	ScS:	15	95%	<div></div>			
	Short Delay Free	ScS:	8	25%	<div></div>			

Screenshot This Table

CVLT-3 measures client's verbal learning and memory skills.

Delis-Kaplan Executive Function System

Repeatable Battery for the Assessment of Neuropsychological Status

Create Report Templates

One-Click Report Generation: Scores in, polished PDF out — zero re-typing

Social Responsiveness Scale - Second Edition

Assessment Results:

The results of most psychological tests are reported using either standard scores or percentile ranks. Standard scores and percentile ranks describe how a student performs on a test compared to a representative sample student of the same age from the general population.

The following descriptive classifications can be applied to the data found below:

Standard Scores	Percentile Scores	Descriptive Terms
130 or higher	98-99	Extremely High
120-129	91-98	Very High
110-119	75-90	High Average
90-109	25-74	Average
80-89	9-24	Low Average
70-79	3-8	Very Low
69 and below	1-2	Extremely Low

In addition, scores reported to be in the Clinically Significant range suggest a high level of maladjustment. Scores in the “Elevated” range may identify a significant problem that may not be severe enough to require formal treatment or may identify the potential of developing a problem that needs careful monitoring.

All assessments were administered in-person and in accordance with test publisher's guidelines. Further, all scores (i.e. when applicable) were calculated utilizing age-based norms.

Measured Area (Assessment)	Domain/Subtest	Scale	Score	%tile	Percentile			
					Very Low (0-9)	Low Avg. (10-24)	Average (25-74)	High Avg. (75-100)
California Verbal Learning Test – Third Edition (CVLT-3)	Trials 1-4	ScS:	25	37%	<div></div>			
	Delayed Recall Correct	ScS:	98	92%	<div></div>			
	Total Recall Correct	ScS:	90	85%	<div></div>			
	Long Delay Free	ScS:	5	5%	<div></div>			
	Long Delay Cued	ScS:	16	95%	<div></div>			
	Short Delay Free	ScS:	8	25%	<div></div>			

CVLT-3 measures client's verbal learning and memory skills.

FORT WORTH PSYCHWORKS

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Fax: 817.631.2405
www.fwpsychworks.com

NEUROPSYCHOLOGICAL EVALUATION CONFIDENTIAL

Name: Date(s) of Evaluation:
Date of Birth: Date of Report:
Age: Evaluator:
Insurance: Referral:

Identifying and Referral Information:

Informed Consent: Client was informed about the purpose of the evaluation and the limits of confidentiality. She was also told that any information offered during the evaluation might be included in the report for further guidance and assistance. Client consented to participate in the evaluation.

Developmental and Health History: (Every effort has been made to include factual historical information relating to Client. Given the reality of occasional imprecise history reporting, some of the historical information included may not be entirely accurate, which is beyond the control of this examiner.)

Psychiatric History:

Psychosocial and Behavioral History:

Educational and Occupational History:

Current Mental Status Examination:

Thought Process:	Behavior/Eye Contact:
Insight:	Psychomotor Activity:
Appearance:	Associations:
Thought Content:	Suicidality:
Orientation:	Memory:
Affect:	Mood:

Assessment Observation:

Patient Interview
Assessment Observation
Mental Status Exam
California Verbal Learning Test – Third Edition
Delis-Kaplan Executive Function System
Repeatable Battery for the Assessment of Neuropsychological Status
Wechsler Adult Intelligence Scale - Fourth Edition
Wechsler Memory Scale – Fourth Edition
Rey 15-Item Test

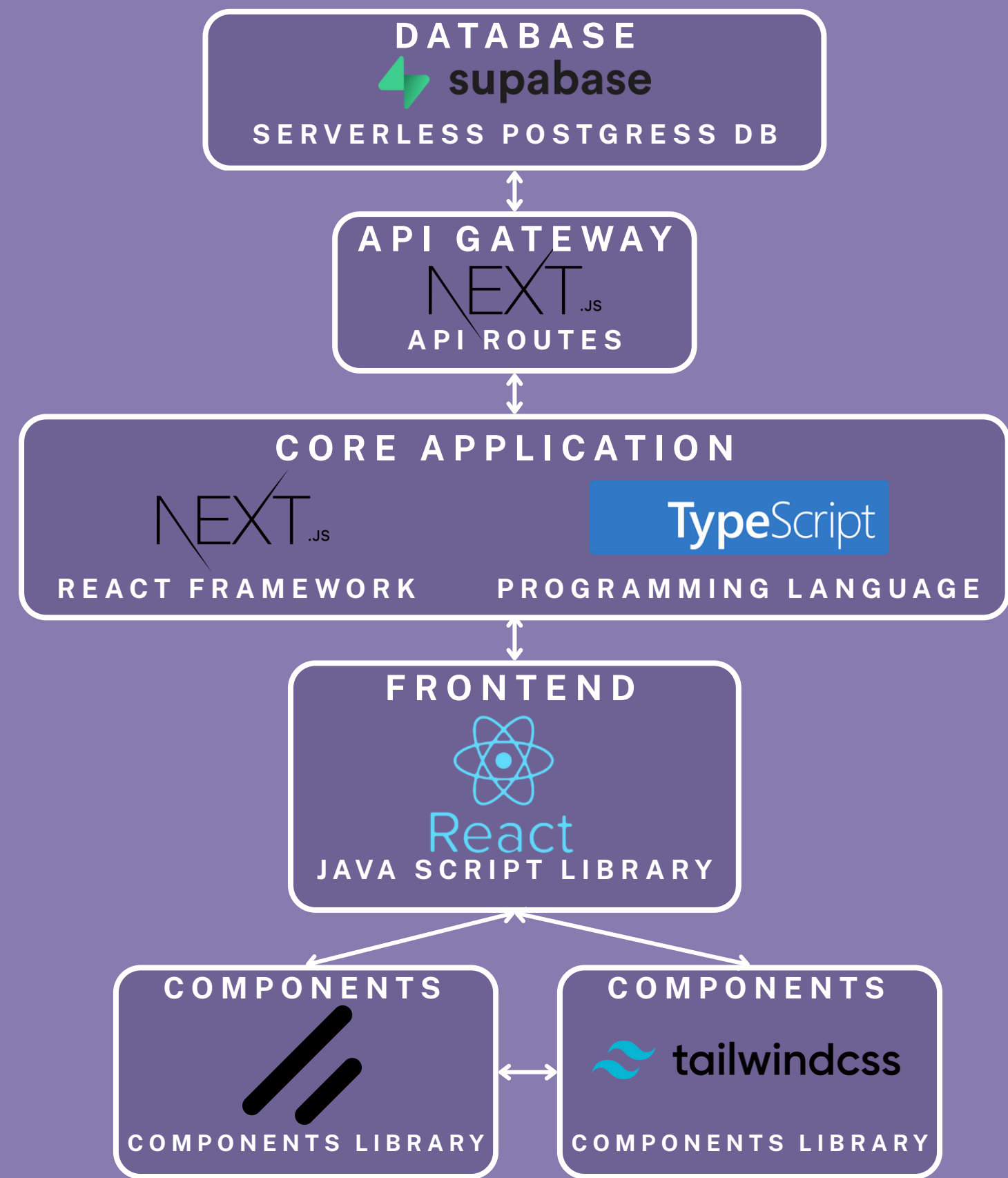
Exported Report

FORT WORTH PSYCHWORKS

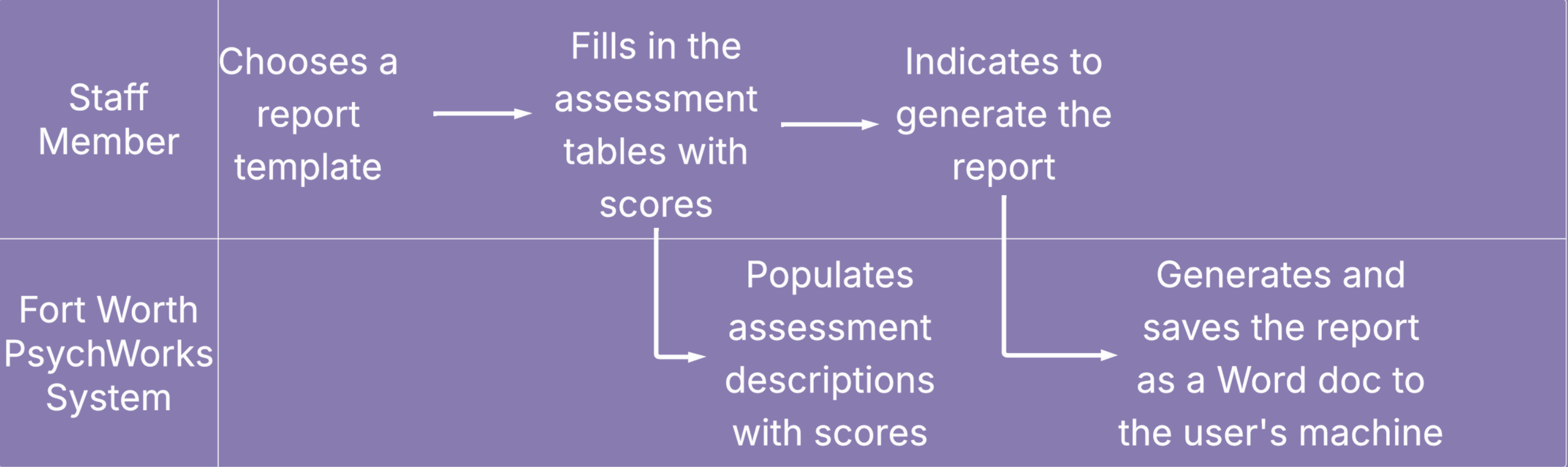


WHAT WE USED

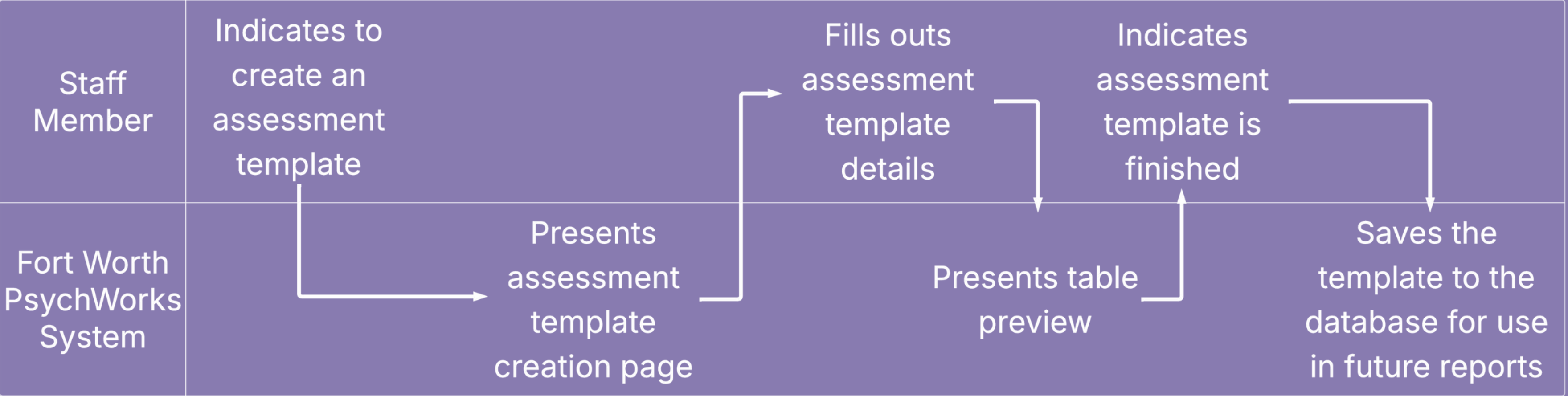
TECH STACK



NEW WORKFLOW



NEW WORKFLOW





DEMO

ASSESSMENT CREATION

FORT WORTH PSYCHWORKS

Welcome to PsychWorks

Sign In to your account

Sign In

Sign Up

Email

roland.andrade46166@gmail.com

Password

I

[Forgot Password?](#)

Loading...

REPORT CREATION

FORT WORTH PSYCHWORKS

AssessmentsReports

Reports

Create Reports for patients using saved assessment tables.

Create

Q Search Table...

Name ↑	Created At	Updated At	Actions
Adult Female MASTER Template	March 3rd, 2025	—	<div><div></div><div></div><div></div><div></div></div>
Adult Male MASTER Template	February 28th, 2025	March 14th, 2025	<div><div></div><div></div><div></div><div></div></div>
Justin Test 04142025	April 15th, 2025	April 18th, 2025	<div><div></div><div></div><div></div><div></div></div>
Justin Test 04192025	April 19th, 2025	—	<div><div></div><div></div><div></div><div></div></div>
Test- Sarah	April 9th, 2025	April 9th, 2025	<div><div></div><div></div><div></div><div></div></div>

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<https://psych-works.vercel.app/reports>

REPORT GENERATION



























Reports

Create Reports for patients using saved assessment tables.

Create

Q Search Table...

Name ↑	Created At	Updated At	Actions
Adult Female MASTER Template	March 3rd, 2025	—	   
Adult Male MASTER Template	February 28th, 2025	March 14th, 2025	   
Justin Test 04142025	April 15th, 2025	April 18th, 2025	   
Justin Test 04192025	April 19th, 2025	—	   
Short Template	April 29th, 2025	—	   
Test- Sarah	April 9th, 2025	April 9th, 2025	   
<div>< Previous 1 Next ></div>			

ADMIN PANEL

FORT WORTH PSYCHWORKS

Welcome to PsychWorks

Sign In to your account

Sign In

Sign Up

Email

admin@test.com

Password

[Forgot Password?](#)

Loading...



WHAT WE LEARNED

LESSONS LEARNED

CLIENT AND TEAM COMMUNICATION

LESSONS LEARNED

**CLIENT AND TEAM
COMMUNICATION**

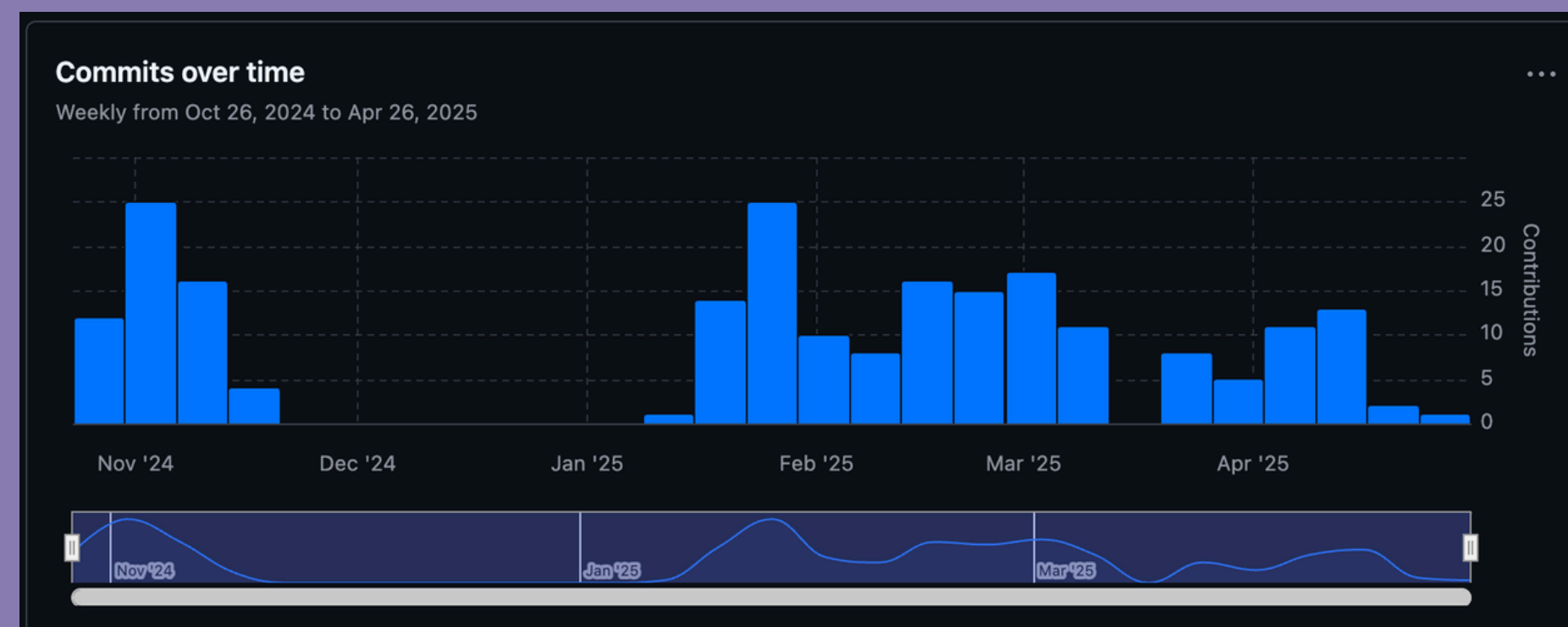
**REQUIREMENTS
ENGINEERING**

LESSONS LEARNED

CLIENT AND TEAM
COMMUNICATION

REQUIREMENTS
ENGINEERING

OVERALL
EFFORT



ACKNOWLEDGEMENTS

THANK YOU!
