



COLLEGE OF
SCIENCE & ENGINEERING

PsychWorks Report Generation System

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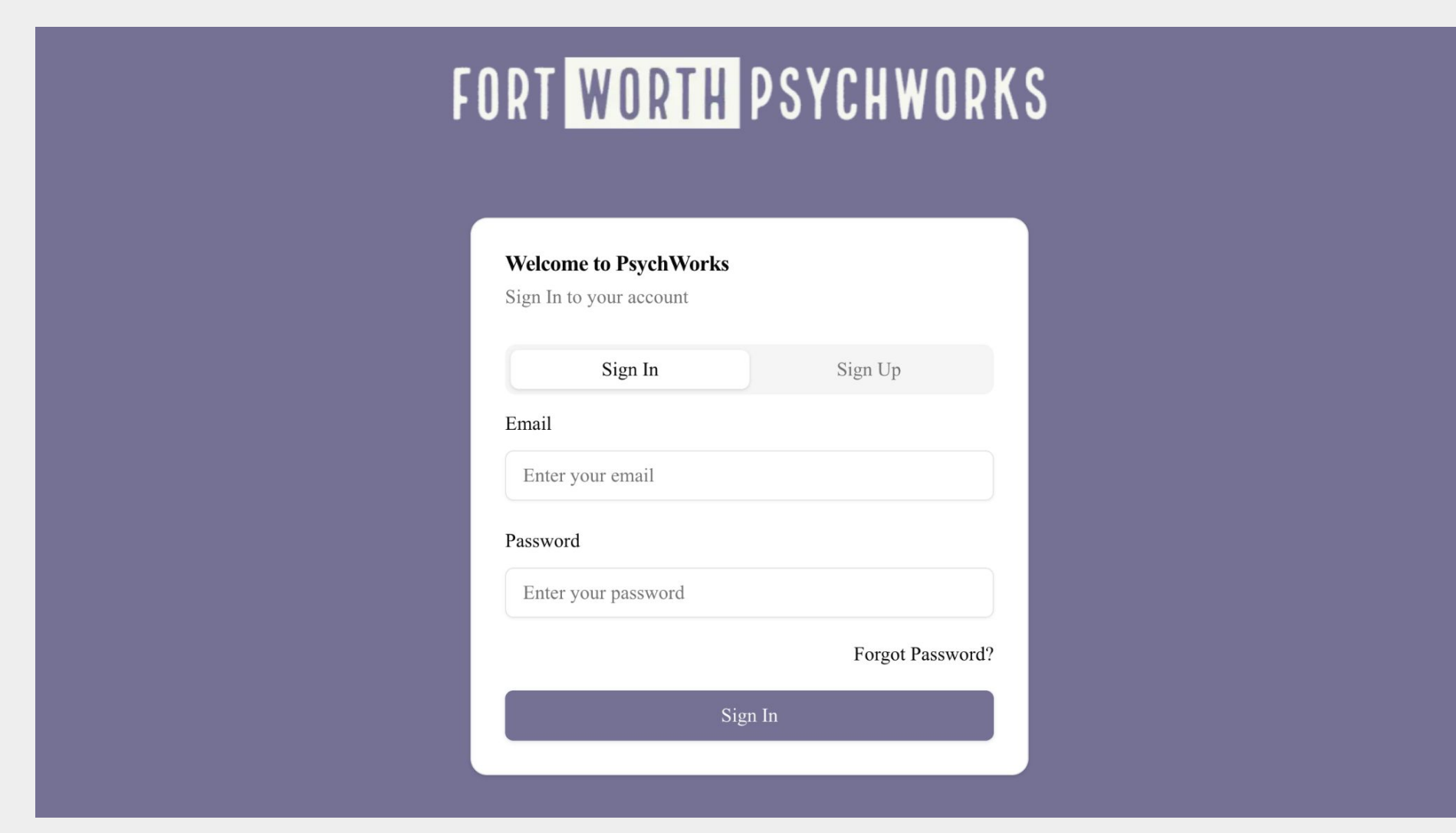
Problem

Psychiatrists currently spend 45 minutes to two hours manually entering test data into report templates after assessments, a slow and tedious process.

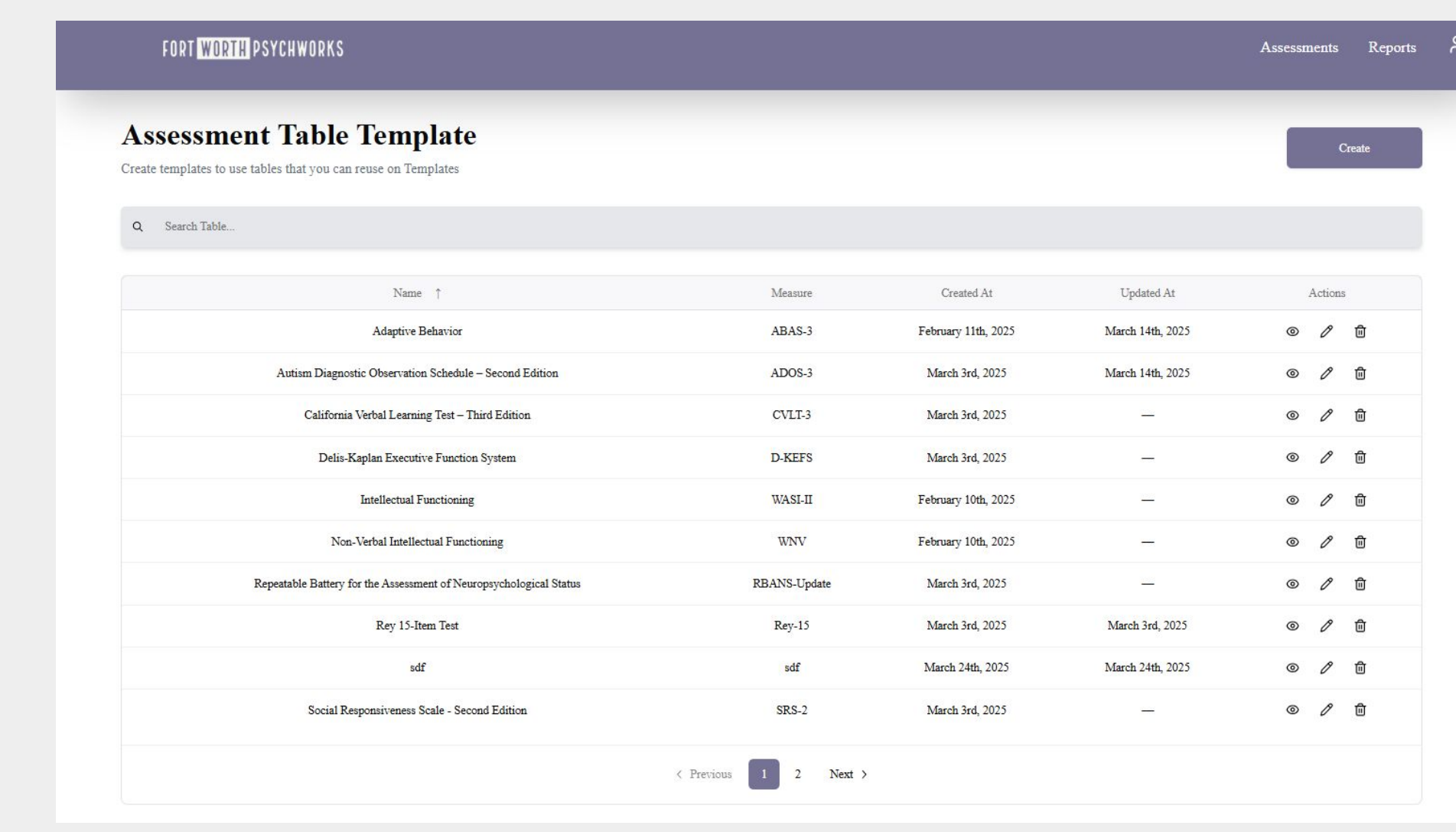
Motivation

PsychWorks' manual report entry is slow, error-prone, and lacks data visualization, hindering patient care. The new system automates reports, adds role-based access, and includes dynamic tables to boost efficiency, accuracy, and workflow.

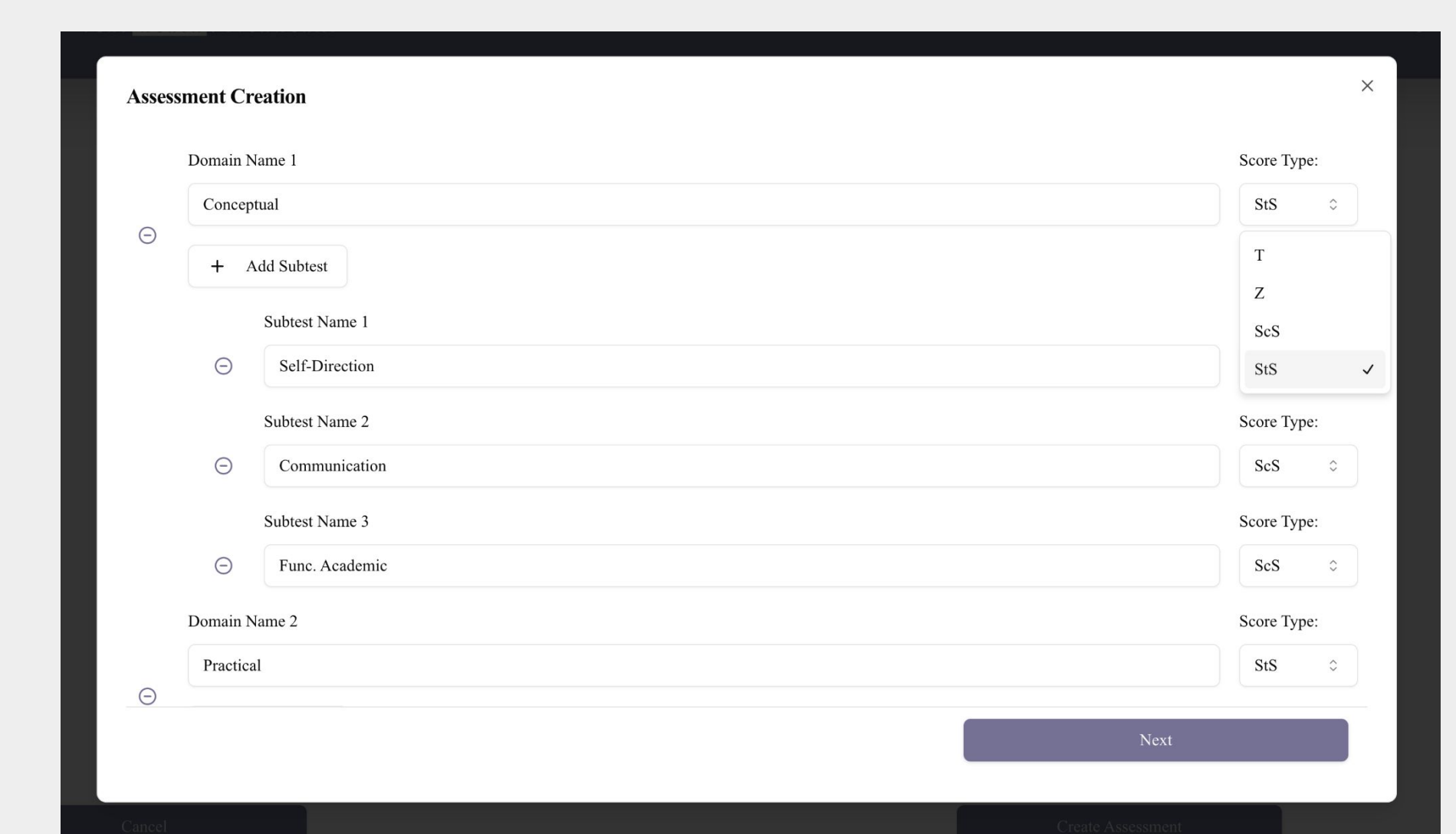
Assessment Creation



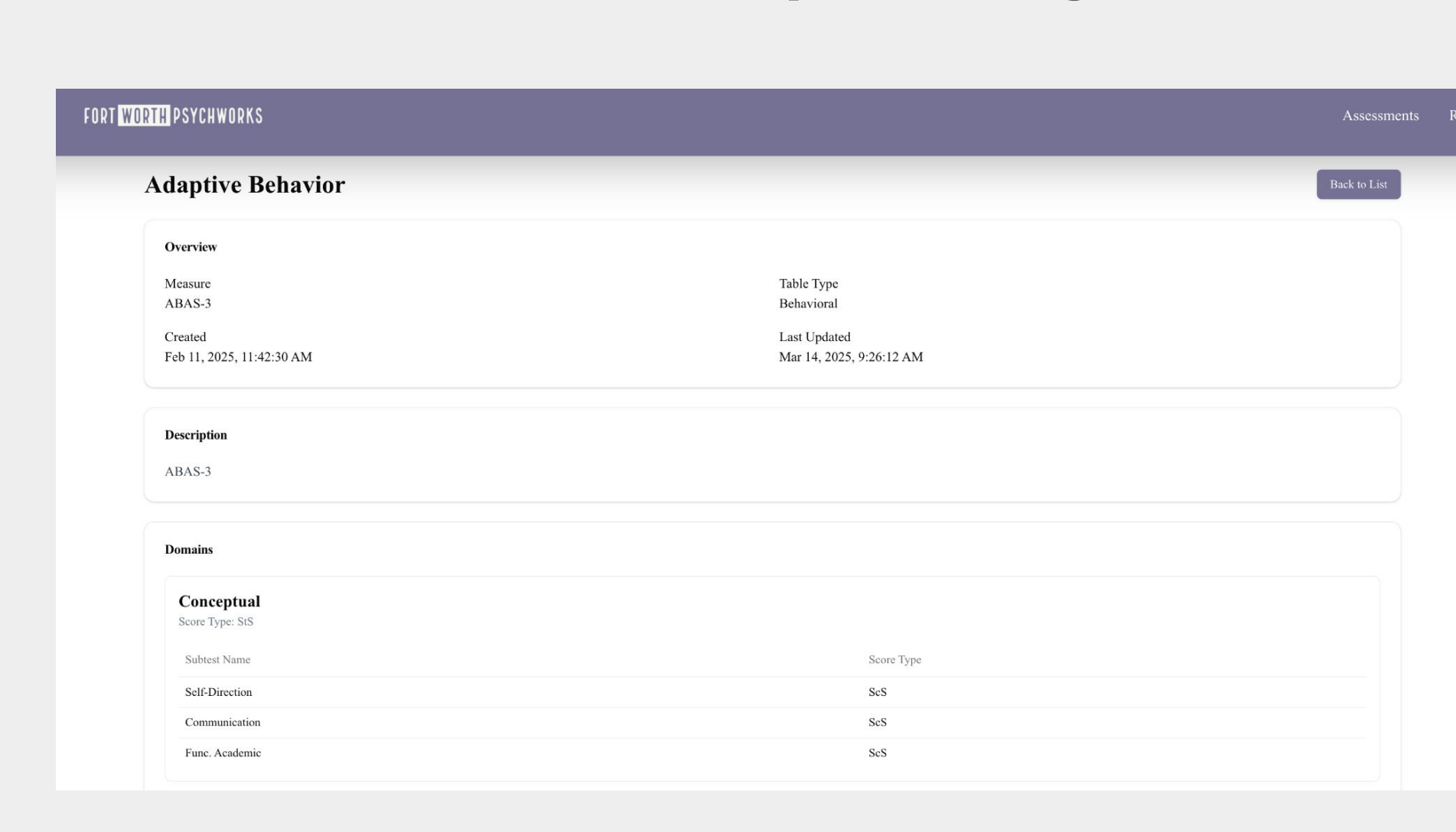
Authentication Page



Assessment Templates List Page

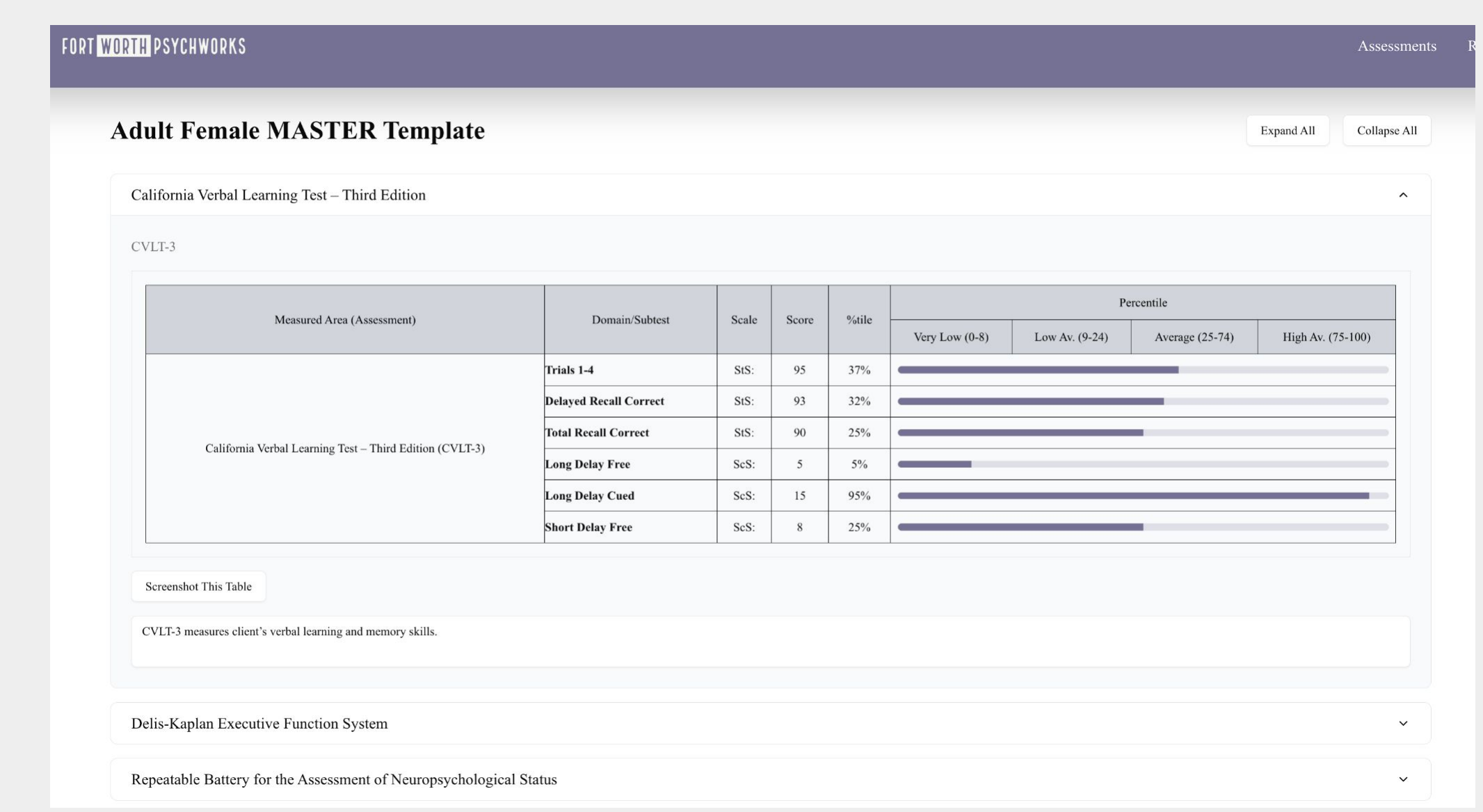


Assessment Creation Page

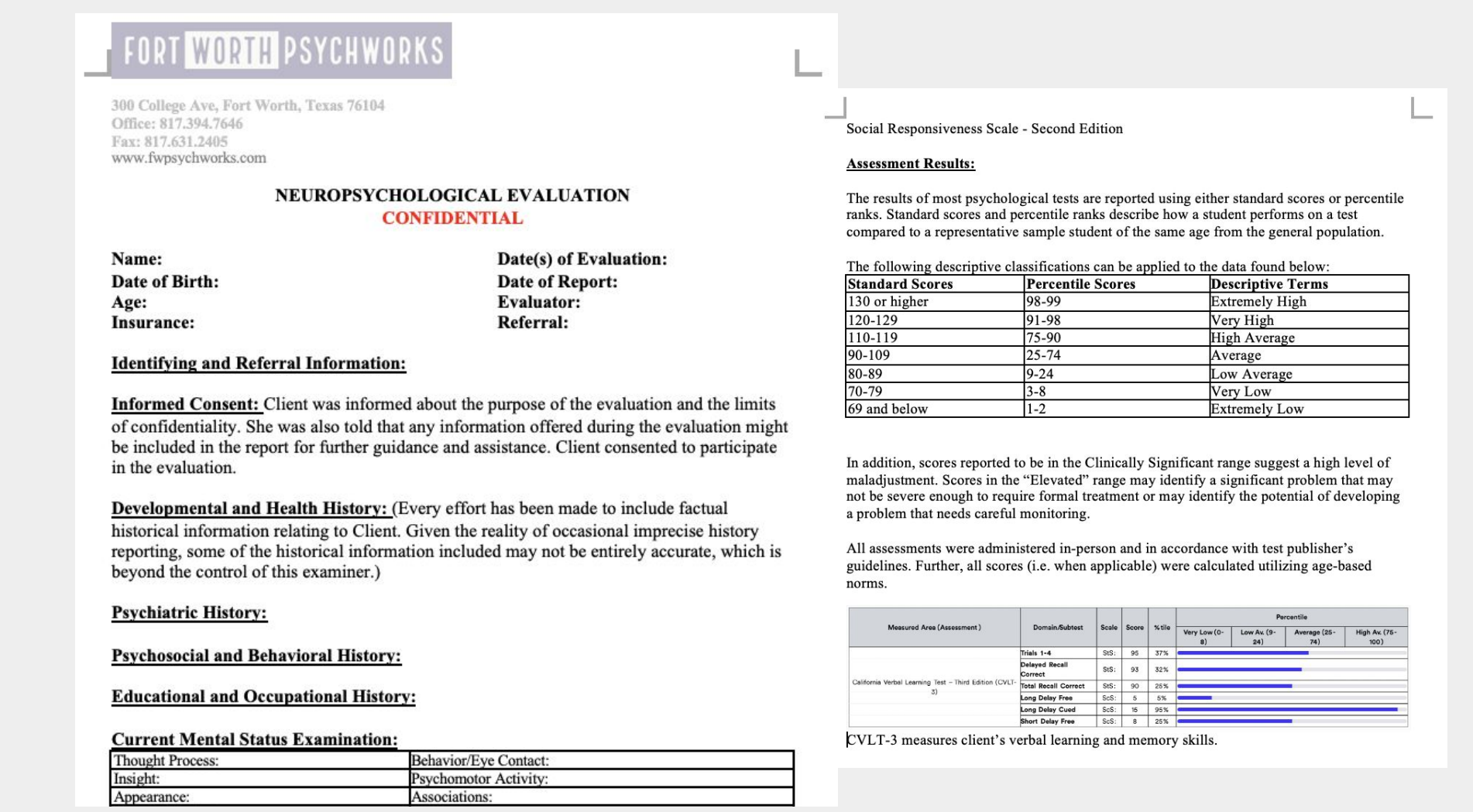


View Assessment Page

Report Generation

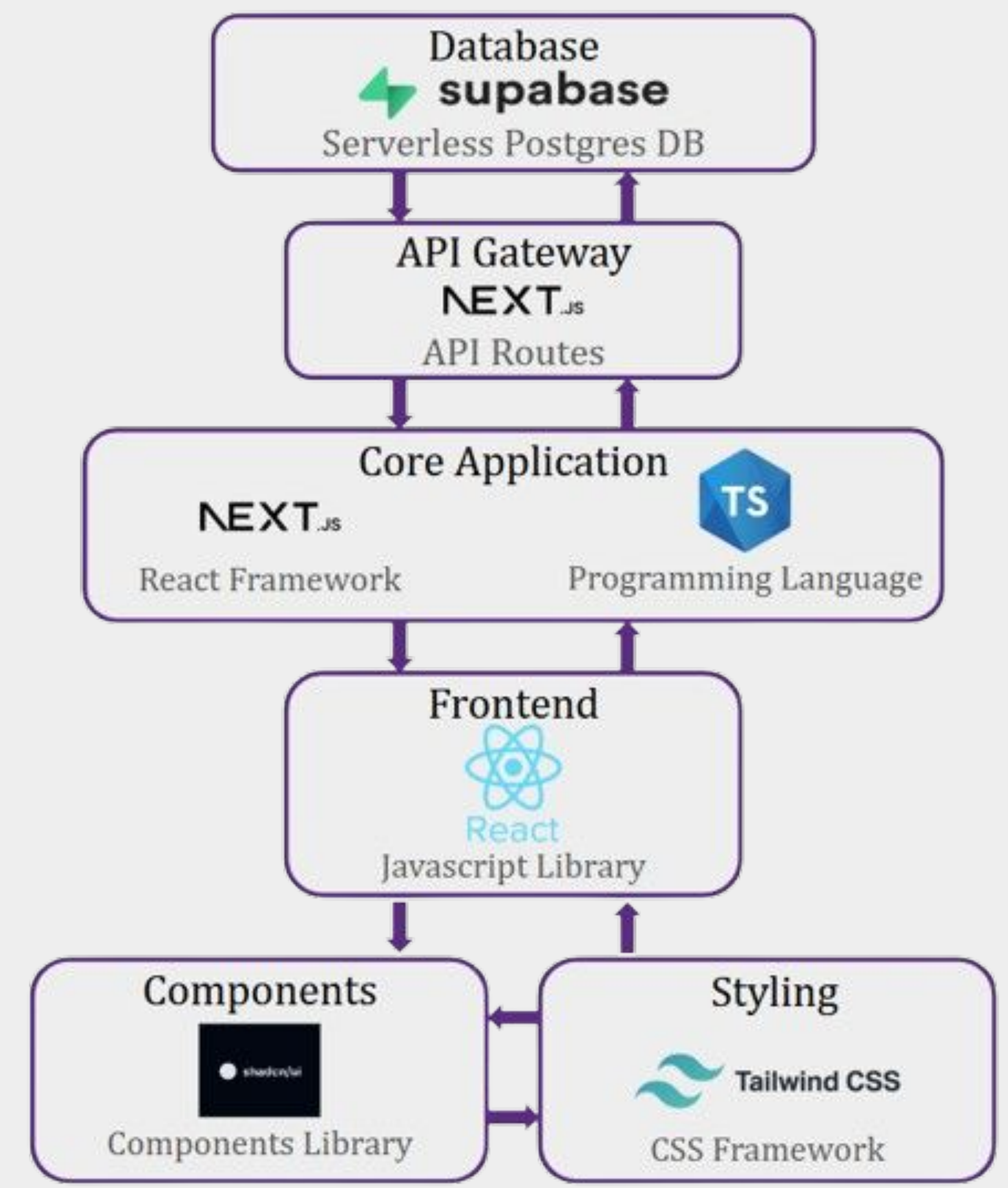


Generate Report Page

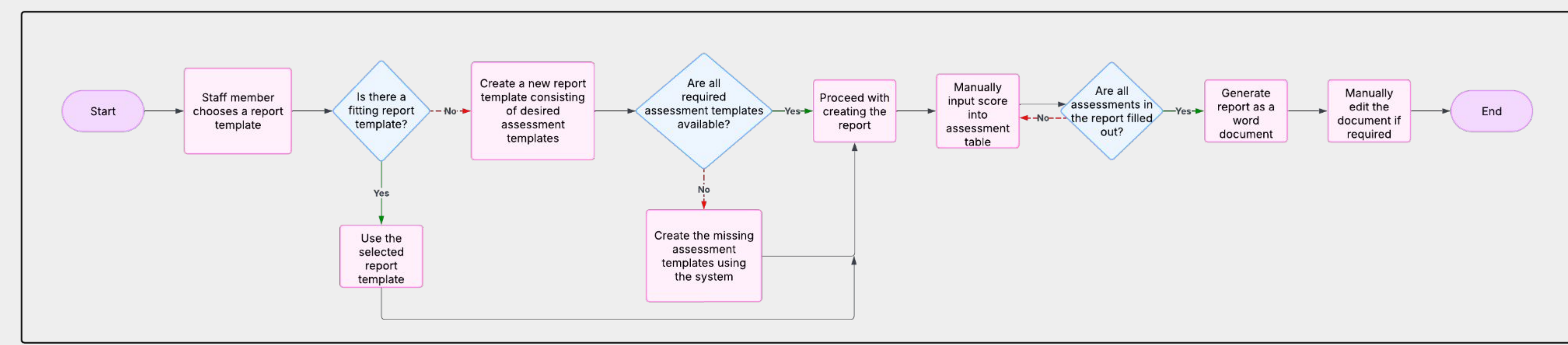


Exported Report (Docx)

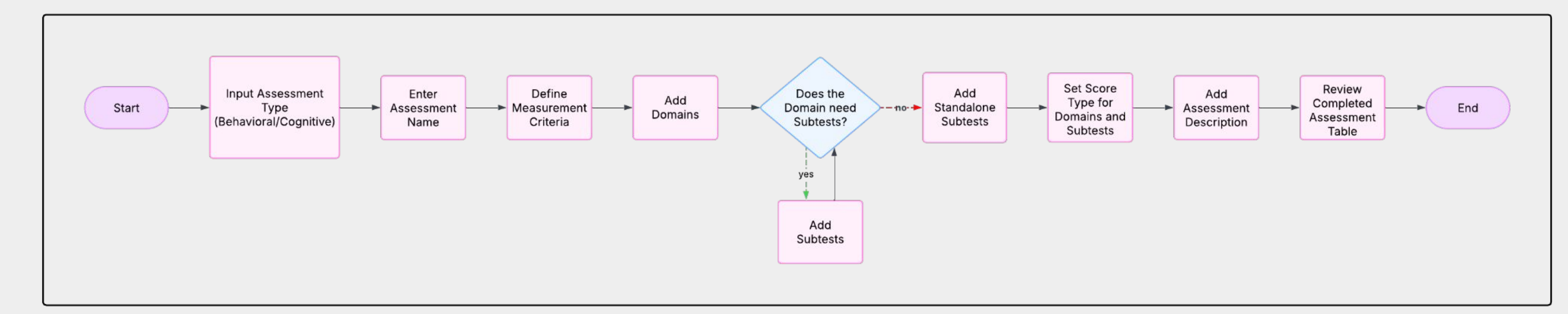
Tech Stack



Workflow



Report Generation Workflow



Assessment Creation Workflow

Solution

Our senior design project offers an automated report generation system, enabling psychiatrists to choose or customize templates for individual patients and produce detailed reports efficiently.

Acknowledgements

We thank Dr. Wei for his valuable feedback and support, and Dr. Gaddis, our client, for entrusting us to bring his vision to life.

