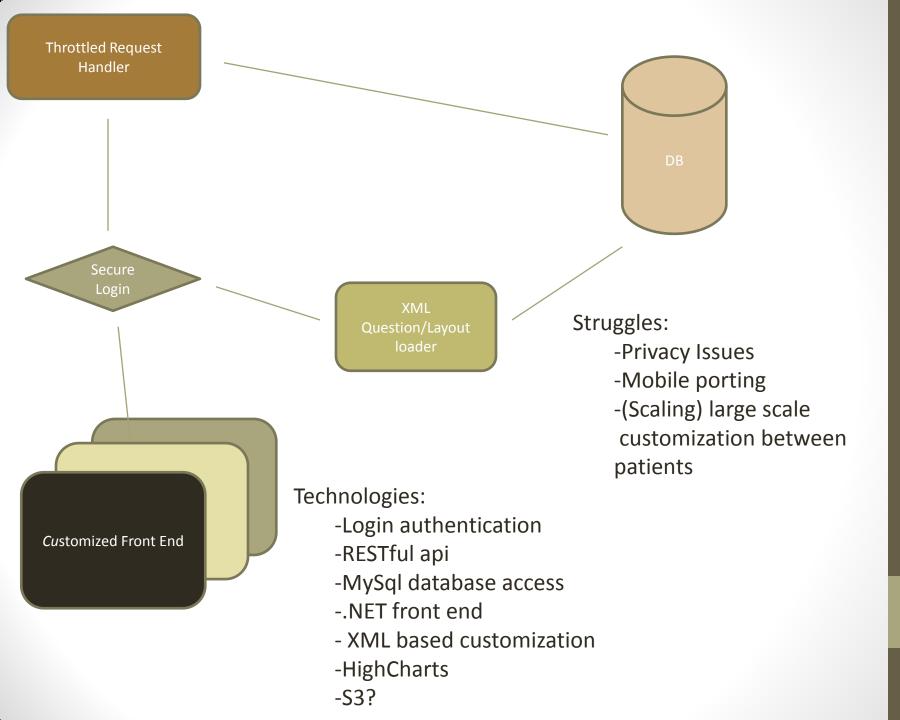# Psych Assistant

A clinical psychiatrists toolkit for maintaining longitudinal records for psychiatric health

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# Explanation and Design

- *Psych Assistant* provides an interface for Medical Professionals to maintain "diary entries" for patients
  - Allows for highly personalized display layouts for patients
  - Scenario dependent questions/layouts on a per client basis

- Important for clients to view incremental improvement/triggers for varying emotional states

- Important for clinicians to track progress, and maintain patient-oriented files on record

Throttled Request Handler

DB

Secure Login

XML Question/Layout loader

Customized Front End

Struggles:
- Privacy Issues
- Mobile porting
- (Scaling) large scale
  customization between
  patients

Technologies:
- Login authentication
- RESTful api
- MySql database access
- .NET front end
- XML based customization
- HighCharts
- S3?

# Motivation

- There is a currently significant need for a secure and consistent system for recording off-site psychiatric sessions

- Provides an opportunity to work on a project that will be directly beneficial to many people

- Open for increased functionality, and a chance to solve an interesting problem in scaling and security