Project Lifecycle Management

Iteration 2

Alan, Christian, Manav, Rachit, Tandhy, Vipul, Yuvaraj

November 7, 2013

Minimum Requirements

- Register – Iteration 1
- Login – Iteration 1
- Manage project
- Manage iteration
- Manage user story
- Manage task

User Stories This Iteration

Project

Create, Update, View projects

Iteration
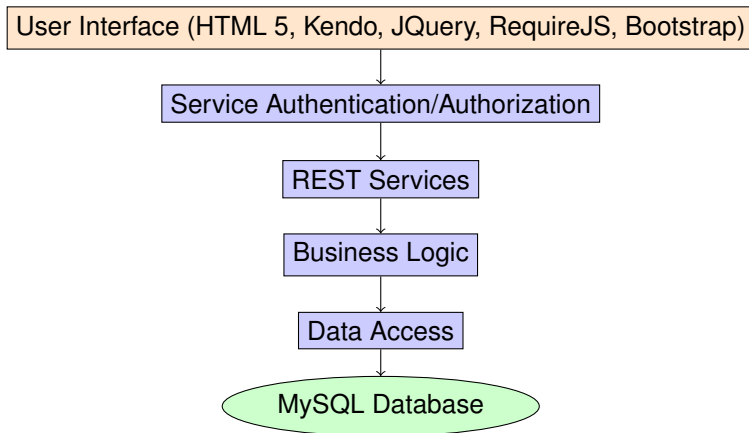
Create, Update, View iterations under a project

User Story

Create, Update, View user stories under an iteration

Task

Create, Update, View tasks under a user story

Software Architecture

User Interface (HTML 5, Kendo, JQuery, RequireJS, Bootstrap)

Service Authentication/Authorization

REST Services

Business Logic

Data Access

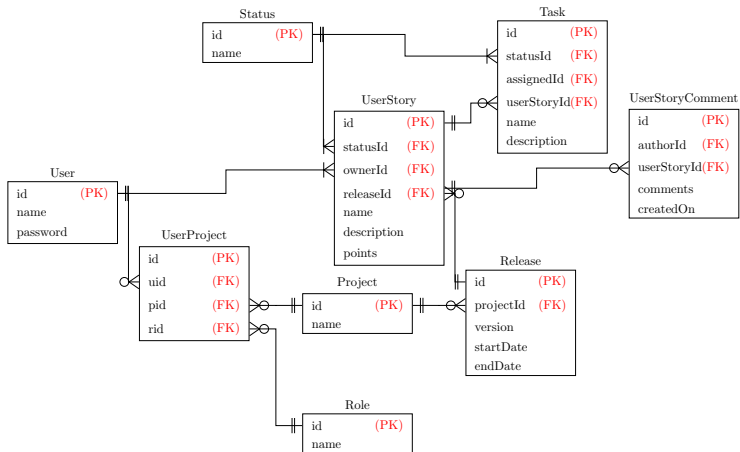MySQL Database

Software Architecture

User Interface

- Model View View Model (MVVM) pattern
- MVVM separates UI and back end
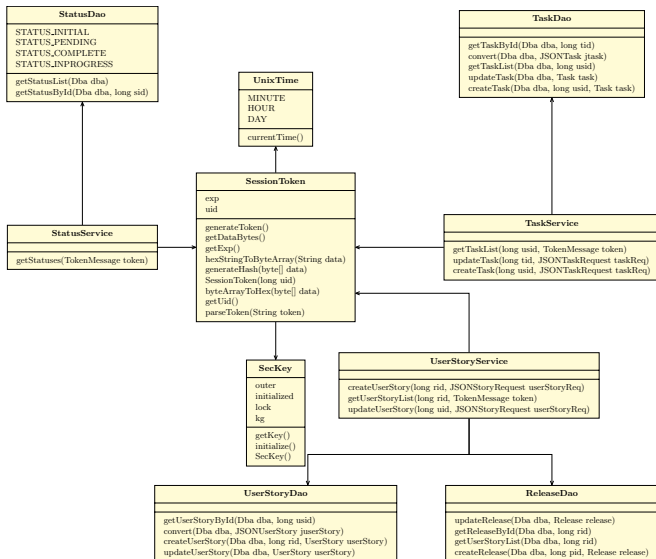- Kendo framework (JQuery library) used for MVVM

Service

- Tiered architecture
- Authentication
    - username and password $\rightarrow$ session token
- Authorization
    - session token and project ID $\rightarrow$ access granted/denied
- Business layer, Data access layer, Database layer

Database Design

Class Diagram

Development Tools Used

- Git / GitHub for version control and issue tracking
- Pivotal Tracker for requirement analysis
- Google Group for communication
- JUnit for service testing
- Selenium for UI testing

Deployment Tools Used

- Apache Tomcat
- Apache Ant
- MySQL

Service Testing

Unit Testing for Business Logic

- Permissions – Passed
- Session Tokens – Passed

Integration Testing for REST Services

- Project – Passed
- Iteration – Passed
- Status (user story and task) – Passed
- Task – Passed
- User Story – Passed

UI Testing

- Fill in this stuff

Metrics

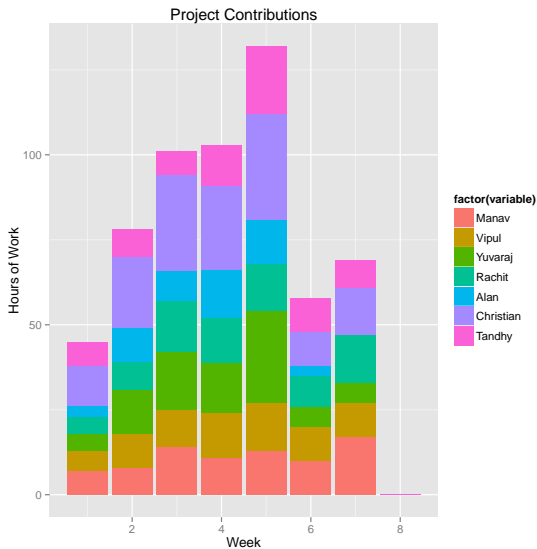### Service Code

This Iteration:

- 38 files changed
- 2462 insertions
- 55 deletions

Total:

- 69 files
- 6383 lines of code

Metrics

Project Contributions

Current Progress

- Fill in this stuff

Lessons Learned

- Fill in this stuff

Future Work

- Fill in this stuff