**Peter Knibbe Individual Project**

Documentation of Peter Knibbe Individual Project Concept, Problem Statement, Plan, Screen Design, Application Flow, and other relevant artifacts.

**Project Plan**

**Week 2**

*  Create project repository on GitHub
*  Complete Problem Statement
*  Time log entries
*  Begin project plan
*  Begin Application High Level Design
*  Begin Screen Design
*  Begin project plan

**Week 3**

*  Document application flow - wireframes have clickable links in the online version.
*  Complete screen design (on paper)
* Determine possible Web Services or APIs to use
*  List technologies and how they will be used
*  Create project structure in IntelliJ
*  Add project to repository
*  Deploy application to Openshift
*  Complete database design
*  Begin creating JSPs
*  Time log entries
*  Complete project plan. Based on the design should be able to lay out more detail.

**Week 4**

*  Complete remaining JSPs
*  Add in bootstrap
*  Create database and all tables/columns locally
*  Time log entries
*  Determine independent research topic
*  Create class diagram
*  Set up logging
*  Set up unit testing

**Week 5**

*  Add Hibernate config
*  Create DAO for user crud
*  Add unit tests for DAO
*  Add user login
*  Add user registration
*  Time log entries
*  Add Maven for building
*  Add entities for remaining tables

**Week 6**

*  Time log entries
*  Create DAO for trails
*  Create DAO for trail report
*  Create display trail report functionality
*  Create display trail functionality
*  Add tests for new functionality

**Week 7**

*  Time log entries
*  Integration with google maps api
*  Create add trail report functionality
*  Create add trail functionality
*  Set up Continuous Integration on openshift

**Week 8**

*  Time log entries
*  Add search functionality
*  Determine how to add paging of search results
*  Integration with weather service and/or snow depth data

**Week 9**

*  Time log entries
*  Implement paging of search results
*  Code review

**Week 10**

*  Time log entries
*  Create databse on openshift
*  Set up authentication and db access in app on openshift
*  Add password reset/reminder function

**Week 11**

*  Time log entries

**Week 12**

*  Time log entries

**Week 13**

*  Time log entries

**Week 14**

*  Time log entries
*  Create final presentation

**Week 15**

*  Final Presentation
*  Time log entries

**Week 16**

*  Time log entries