**Final project for Phase 3- Create A Task Manager Application Project Sprint Planning**

The project will require 3 sprints with 2 weeks for each sprint.

**Sprint 1:**

1.Designing the application with specification documents including application capabilities, appearance and user interaction.

2.Setting up of GitHub repository for the project to store and track the application.

3.Flow chart model to visually represent the user Login and task management application.

4. Setting up of database and table to store tasks data in the MYSQL.

5.Sprint review with a demonstration of the database and the flow chart.

**Sprint 2:**

1.Creating a spring boot project with spring security in eclipse IDE with appropriate dependencies.

2.Using Spring security provided the option of login for valid user and redirecting to the login page for invalid user.

3.Creating web app, WEB INF, common and jsp folders to hold all the jsp files to be created for the application.

4.Creating packages of com.hcl.model, com.hcl.controller, com.hcl.repository, com.hcl.security, com.hcl.service as required to run the application.

3.Creating welcome.jsp, list-task.jsp, task.jsp and error.jsp and coded per requirements for user interaction.

4.Creating Welcome controller, Task controller, Logout controller and Error controller for the application to work based on the flow chart.

5.Coding using core concepts with user being able to login and move to the welcome page, being able to see the navigation menu and choose home, task or log out and then being able to choose the options of the tasks and add new tasks, update/delete existing tasks for user interactions.

6. Creating and setting up application properties for the application to access and update the MySQL database.

7.Testing the application with different scenarios of user interactions and checking the database.

8.Sprint Review with a demonstration of the working task management (with columns of email, task name, description, date and severity) part of the application.

**Sprint 3:**

1.Creating drop down with added code for high, medium and low severity on the task.jsp.

2.Creating start date, end date columns and deleting date column on the MySQL database and changing the code on the task.jsp from accessing date to access start date and end date.

3. Adding code on the task controller to display appropriate date format on the start and end date column.

4. Testing the application with different scenarios of user interactions and checking the database.

5.Fixing the bugs, if any present, and fine tuning the application.

6.Final Demonstration of the application to the appropriate person (product owner).

7.Sprint retrospective meeting.

Developer Suggestions:

Enhancement of the requirements to improve project efficacy. Client’s requirements Raises the following suggestions for the development team and to the client:

1.Having a log file, to log user interaction with the database.

2. Adding another table to the database and modifying the code on the application to accommodate the same application to be used by multiple users in the organization.

3.Having Client appropriate list of suggested task in the list of tasks’s page to enhance user interaction.