**Task-Manager-Application**

**User Requirement:**

1.Able to login showing success or failure, if failure being able to return to login page.

2.Able to access task management by being able to add a task, update a task and delete a task, with description of the task.

3.Able to set the time frame and the severity of the tasks.

**Application Design and Development:**

***On MySQL Database***

1.Created e-commerce schema.

2.Created a table tasks.

3.Had columns for email, description, date and severity. Once the application was functioning drop down for severity was added, new columns of start date and end date was added and the existing date column was removed.

***On Eclipse IDE***

1.Created a spring boot project.

2.Added dependencies to spring security, dev tools, spring boot, MySQL, jpa.

3.Login functionality was implemented using spring security.

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

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

6.Created welcome.jsp and added code to access the list-tasks.jsp.

7.Created list-tasks.jsp to provide the navigation for the user to be able to add task by accessing task.jsp, view/update/delete list of tasks already added to the application.

8.Created task.jsp to add tasks according to user discretion.

9.Created error.jsp to display any errors in the application.

10.Created welcome controller to display welcome with the user name and link to the task page.

11.Created Task controller to perform add, update and delete tasks functionality and to display the tasks.

12.Created Error controller to handle errors if any.

13. Added code to the application properties to wire MYSQL Data Base.

14. Added start date and end date to the list of tasks instead of date to specify the time interval with us date format, using date picker.

15.Added code to show drop down on the severity column so that user can specify the level of importance.

16.Tested the code with successful and failure login values and varied update and delete tasks.

21.Screenshots were taken to show success and failure on login and adding, updating and deleting tasks.

22.Screenshots were also taken on the eclipse showing the controllers and the different JSP’s.

23.Git repository was created in Git hub and the code was pushed to the Git repository. The link for Git repo is: https://github.com/indraparameswaran/Task-Manager.git