

CET3048 - Modern Full Stack Development with Python – Capstone

Milestone 1 – Proposal

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1	James Ng	First commit	25-05-2022
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Problem Statement:

A complex IT application usually huge task which can be further subdivided to into small-sub task. Breaking down the complex task into smaller sub-task can also aid the tracking progress of the developer. However, sometimes it may be difficult to track the multitude of tasks and deadlines.

Proposed Solution:

A simple solution to this problem is to develop a to-do list which the user will be able to login, add the task and deadlines and subsequently updates the progress of the task. The application should consist of the following functions:

1. A sign up/login function to identify the user
2. An add task functionality
3. An update task functionality
4. An overview of the list and progress

Wireframe:

TO-DO LIST

Username:

Password:

Figure 1Main landing page

The design concept focuses on minimum effort. To sign up, simply type the username and password into the input box and click the “sign up” button. To login, type the username and password and click the “login” button.

*Forget password is not an option!

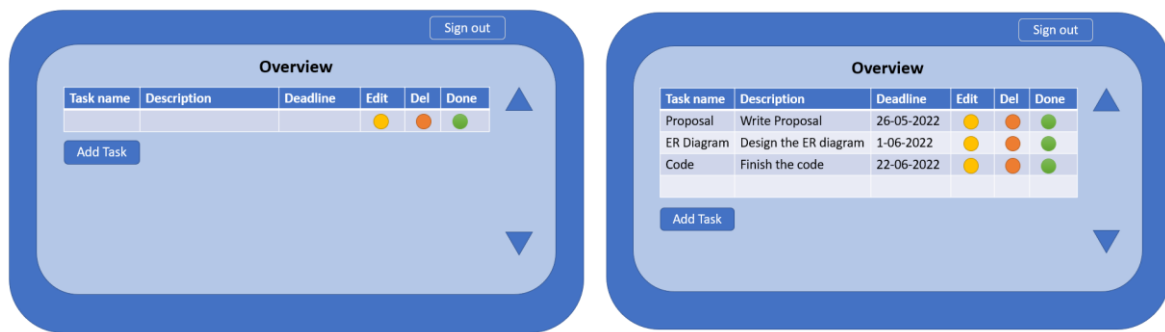



Figure 2 Overview and Overview with entries


The overview page list all the task added by the user, with the option to edit, delete or mark as complete by the user for easy tracking.

This page allows the user to perform the following functionality.


1. Add Task

To add a new task, simply enter values into the existing empty row. Click  button to add an empty row.


2. Edit Task

To edit an existing task, simply type over to the existing values and click on the  button to save the entry.

3. Delete Task

To delete an existing task, simple click on the  button to delete the task.

4. Done Task

To indicate that a task a done, simply click on the  button to save the progress of the task.

5. Scroll the thru the rolls

To scroll thru the rows of task, simply click on the  and  buttons.

6. Log out of the system

To logout of the system, simply click the  button.

Activity Diagram:

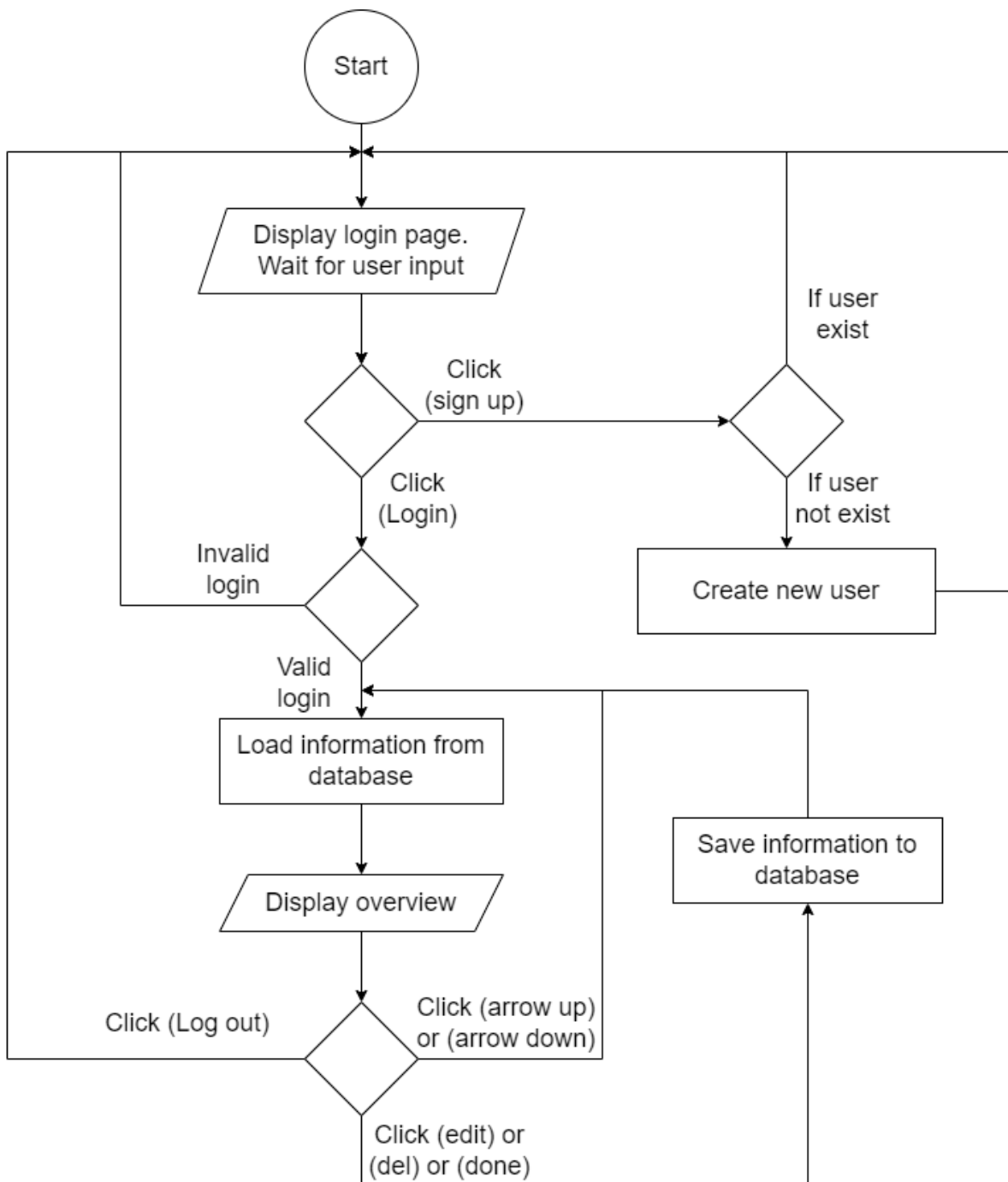
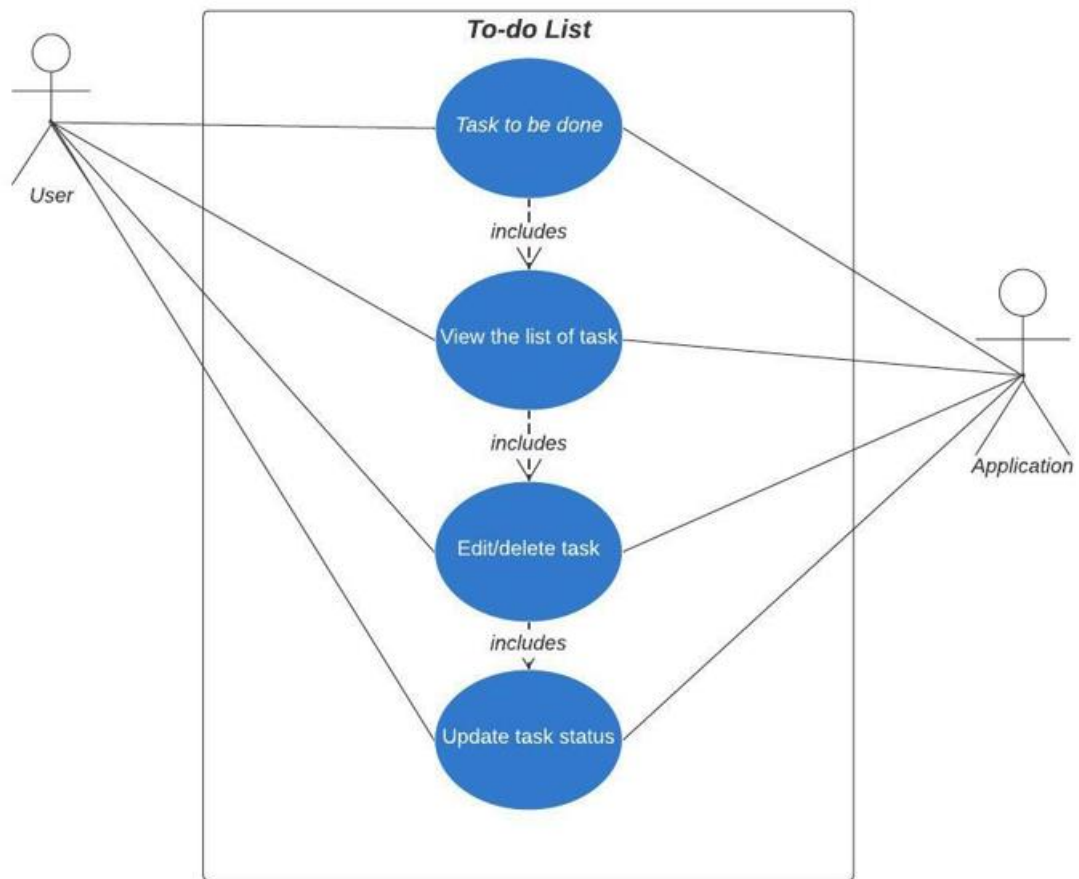


Figure 3 Activity Diagram

User Case Diagram:



End of proposal