Prototype Document
Team 3.02

1 Introduction

Do-D-Due is an application that allows a user to manage their daily tasks. This application allows the user to create a task list, edit and delete it via the Android application or the web interface. The tasks will have a name, description, due date and priority. The user will be able to check off items in the list and will be able to hide them. The application will support multiple users, each one with their own lists.

2 WTM Prototype

The WTM prototype currently shows the front-end UI with minimum functionality. The purpose of this prototype is to show the flow of the UI and to demonstrate ability to emulate the mobile application on a web browser. Each section will discuss what is currently available and how the end product should perform.

Home Screen:

This screen allows the user to login via their username and password. If they do not have an account an option is also available to allow the user to create an account. Currently, the prototype only accepts the users "me", and "you" and does not check the password.

The end product will use a database, most likely SQLite, to store user authentication details. This means that the login button will correctly check whether the particular user exists and whether the password is correct. Correct credentials will allow the user access to his/her lists, whereas incorrect credentials will likely result in a pop-up dialog box alerting the user.
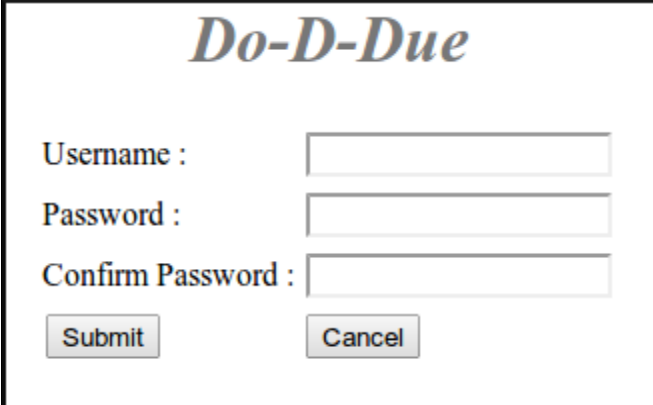

Create Account Screen:

This screen allows the user to create an account with a username and password. This screen is currently not operational and is included only to show the front end and flow of the UI.

The end product will properly check if the username has already been created or whether the two passwords match. Once this and other basic data validation is done and the submit button is pressed, it will create an entry in the user database allowing him/her to login and create their lists. The cancel button will return the user to the login screen.
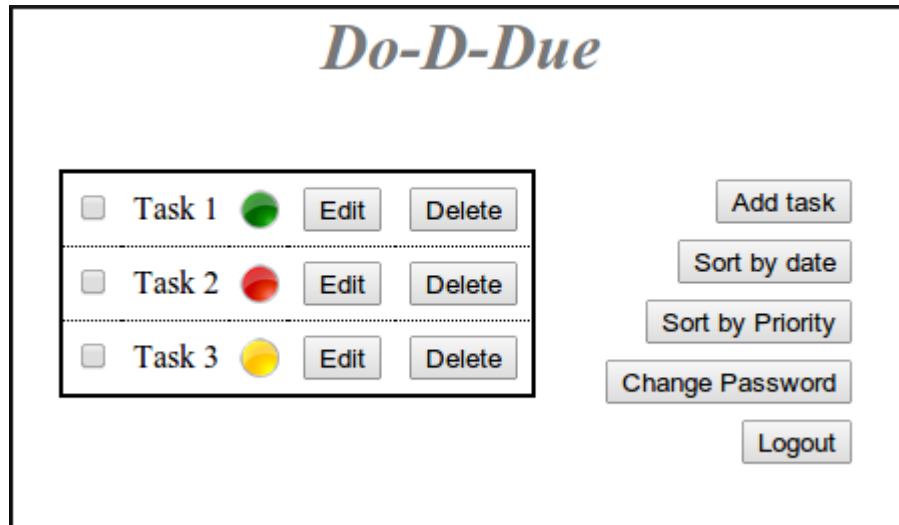

Main Screen:

This screen shows a list of the users current tasks. Currently, the only buttons implemented are the "Add Task" button, "Change Password" button, and "Logout" button. The "Add Task" button directs the user to the Add Task screen. The "Change Password" button directs the user to a screen that theoretically allows users to change the password, but it is not implemented in this prototype.

In the final product, the user can edit each of the listed tasks, add new tasks, sort by date or priority, change their password, or log-out from this screen. There will also be an option for the user to hide tasks that have been checked off (i.e. indicated as completed). The list of tasks will be stored in a database and the deletion of tasks will have a pop-up indicator for confirmation.
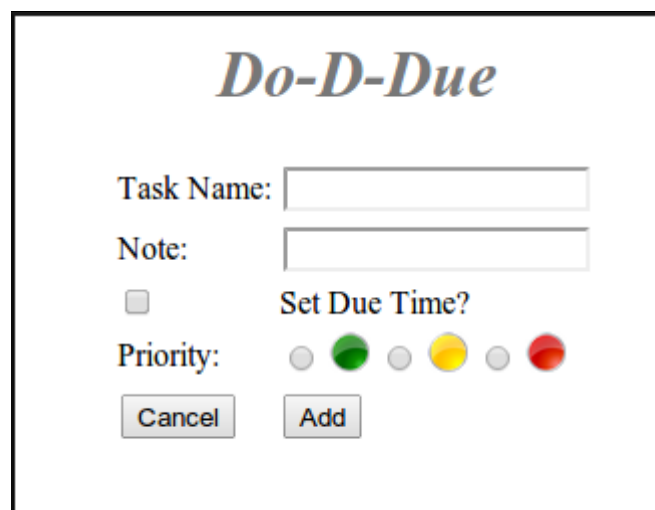
Add/Edit Task Screen:

This screen allows the user to add a new task or edit an existing one. The "Set Due Time" checkbox currently does not show up time options. The priority does not have a current default. Neither of the buttons are functional as of this prototype.

In the future, the details will be pre-populated if the screen is reached through editing a task. Otherwise, the user can access this screen by adding a task. The plan is for the checkbox to unhide a time selector and a date selector, both pre-selected to the current time and date, respectively. The priority will also be defaulted on low (i.e. green). The application will also provide some data validation to check if the task name is blank and whether one exists with the same name already.

Change Password Screen:

This screen allows the user to change their password, if so desired. Currently, this screen is just a placeholder for the functionality.

The final product will allow the user to change the password given that they can enter their old password, for security measures.

Do-D-Due

Old Password :

New Password :

Submit   Cancel