

### Assignment 3:

The following report will encompass the usability of our software and how it can be improved, along with some details about the new features we have planned. This report will also show feedback from users (also ourselves) and how we plan to improve our software based on the feedback. Finally there will be a Gantt chart and some information on the planned improvement schedule for this semester.

Since our last report we have reduced the number of functions we wanted so that our software will be far more reliable over being feature filled. This is due to knowing that a system with many functions becomes complex and this leads to many possible faults that we can not always think of. This creates a lack of reliability, where for our software, reliability is key to our software being both usable and successful. With this focus we are going to improve our current features and only add features that complement current features, so that usability of the app is better while maintaining reliability.

To begin with, the overall usability of our app is poor. While it allows the addition and removal of tasks (a key feature to our software), it does not save created tasks. This leads to many issues in reference to usability and reliability since after software termination, any created tasks will be lost. This is a major overlook and flaw in our software and was something brought to attention by user feedback. Also another flaw brought to attention by feedback was that users can not edit any currently active tasks. These are the two flaws which we highlight as being key to remedy. A small flaw highlighted by feedback was the fact that empty tasks can be added, this will be easily solved. Adding these two features will ensure a much more usable and reliable software. With this there are several more features which we believe may bring more usability to our software.

#### Features to add:

- Saving tasks
- New task control
- Task editing capability
- Empty task control

The listed features will comprise of our main focus as opposed to our focus including other features different from what we already had. That is because to react to given feedback, our current features will have to be redesigned to accommodate required changes. This will create majority of our work leaving little room to create reliable features that deviate from what is required of our software.

## **Key Features:**

### **Saving Tasks:**

To add this feature we are going to use a sql database to store created tasks. This will allow tasks to be saved after the user closes the application or if the application suddenly terminates. This will be achieved by using a data file that upon reiteration causes any created tasks to be saved to the sql database. From there whenever the software is terminated, created tasks will be still kept so when the software is reopened it can retrieve the data from there.

### **Task editing:**

This problem led to the restructuring of our softwares code, presentation, and functionality. We decided that we needed to approach a simpler design to create a smooth and easy to use application. We approached this by changing our plan for each added task being a selectable checkbox with non-editable text to each created task being an editable text box. This will make the software look cleaner and more minimalistic pushing the easy, quick to use task software idea. To compliment this functionality there will also be a checkbox allowing the user to enable and disable editing of tasks. We want to add this to allow the prevention of accidental editing.

### **Empty Task Control:**

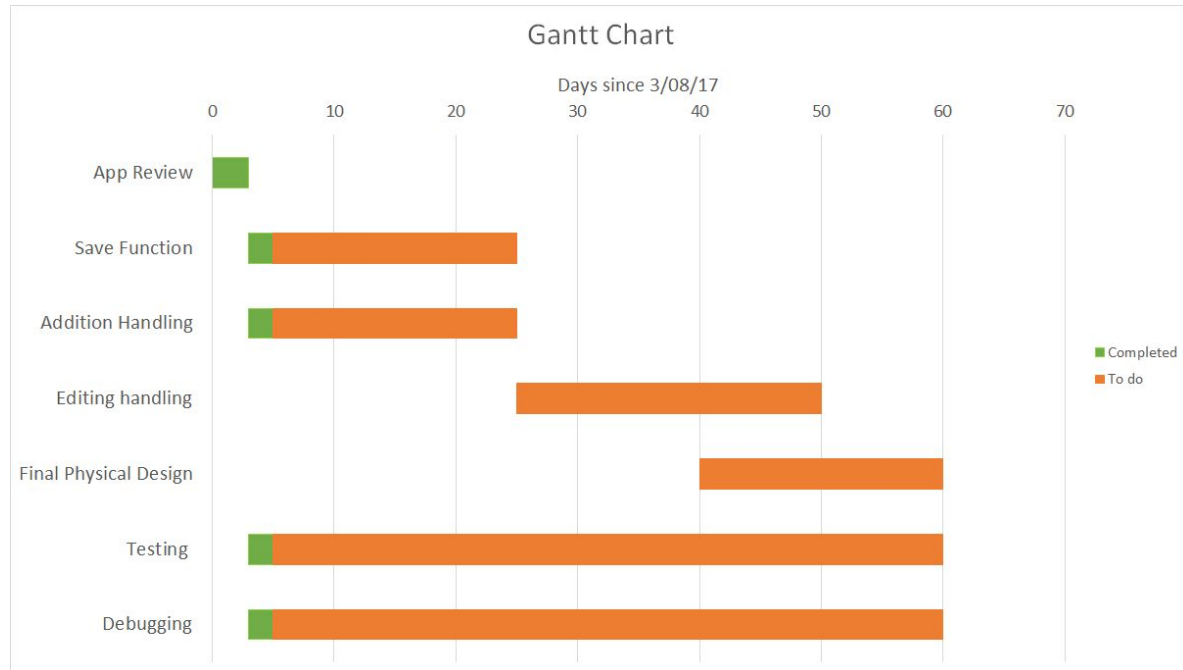
Due to restructure of task addition and overall software presentation this can be easily solved. We will allow the first task to be created, which begins as an empty task, then if the user attempts to add a second empty task they will be asked if they wish to do this. If yes is selected then the second task will be created, if not then user can return to editing the first task.

### **Potential Future Features:**

With feedback we have reworked some of our software's main features causing a shift in the way we view our potential end product and any other features we may want to add. Because of this we are currently focusing on ensuring the essence of our software is reliable and usable and have left out any of the past extra features we had in mind. As we improve our software we may think of some potential features that may complement areas and revisit them after we complete our main focus.

## Timeline:

Our timeline for adding features has changed from the first assignment as we have dropped many features that we believe we were over reaching for. We have provided a Gantt chart to show our new timeline that includes the addition of the new features as well as bug testing. This Gantt chart shows the timeline until our deadline October 2nd.



## Delegation:

Features:	Due Date:	Handled by:
App Review	6/08/17	James, Kyle
Save Function	28/08/17	James
Addition Handling	28/08/17	Kyle
Editing Handling	22/09/17	James, Kyle
Final Physical design	2/10/17	Kyle
Testing	2/10/17	James,Kyle
Debugging	2/10/17	James, Kyle

Even though these features will be handled separately we will still provide input for the features.