Vision and Scope

For

Cloud Task Managing Application

Version 1.0

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# 1 Business Requirements

## 1.1 Background, Business Opportunity, and Customer Needs

Mobile users who work with cross-platform devices don’t have an easy solution to organizing their day-to-day activities, be it homework, meetings for their business, or a family’s shopping list. Many task management applications are tied to a single device, or a single user, and can’t be easily migrated from one device to another. This means that whenever a user loses their old device, replaces one, or adds a new one to their collection, they must recreate the entire list manually and from scratch or just cope without it on the new device. These applications also require the user to manually copy down the list (or if they’re lucky, copies it for them) in order to share the tasks with another user, and then the tasks are not tied to the same object and cannot be collaborated on without manual syncing and updating their status.

Many students on CWRU’s campus have multiple devices, and they are rarely part of the same software ecosystem. However, most students at CWRU have a near-ubiquitous access to the internet, and could benefit from a uniform experience across their devices delivered via a web application. Students could benefit a way to quickly and easily manage their course work from a multitude of devices, or create collaborative shopping lists for their suite or house. Being able to work across devices would allow the users to quickly create tasks on their phones or tablets, then switch over to their computers for more robust task management. It would also allow the user to check tasks that they created on any of their devices on the fly, even from a device that they don’t necessarily own. Sharing and collaboration would allow users to work on joint projects of tasks without having to constantly notify the others of progress so they could update their list, allowing them to invest time into the project itself.

## 1.2 Business Objectives and Successful Criteria

BO-1: Have a web application that keeps track of user’s tasks on all devices they are signed into.

BO-2: Be able to show users their tasks in lists sorted by priority, due date, or alphabetical order.

BO-3: Be able to show users their tasks in a calendar form by a custom number of days less than or equal to 7, a week from Sunday through Saturday, a custom number of weeks less than 8, and 2 months.

BO-4: Allow users to make a shared list where tasks are seen and editable by all sharing users while keeping their private task lists hidden.

SC-1: Have at least 1 user using the application on at least 1 device with at least 1 priority list and 1 date list

SC-2: Have at least 2 users using the application and collaborating on one list.

# 2 Vision of the solution

## 2.1 Vision Statement

For the college student who needs a more efficient way to organize his homework and other activities, Cloud Task Managing System is an internet-based application that will allow for a user to create an account and make lists of tasks awaiting completion, share it with their friends, and be able to see the progress they have made across all their devices. This solves the current issue of many task managing systems not being compatible across multiple devices, limiting the user to one device.

## 2.2 Main Features

FE-1: Create tasks that the user enters

FE-2: Enable the user to view tasks

FE-3: Allow users to mark their tasks as either complete or incomplete

FE-4: Allow user to delete tasks

FE-5: Alert the users of impending deadlines via text and email

FE-6: Allow users to share any of their task lists with other users

FE-7: Allow users to enter a due date

FE-8: Allow users to extend the due date if necessary

FE-9: Allow all users with access to a list to modify the task list.

## 2.3 Assumptions and Dependencies

AS-1: The user has an internet connection

AS-2: The user has a reasonably current internet browser

AS-3: If the user doesn’t have an account, they must have cookies

DE-1: GSM and SMTP support for notification stretch goals.

# 3 Scope and Limitations

## 3.1 Limitations and Exclusions

LI-1: Since the focus of the application is to share task lists across users and devices, users will have to create an account to use the service so as to be identifiable by the application.