

Team JATH

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Hello Team JATH,

I am the president of California State University, Long Beach and I would like to provide our students with an easy way to be organized as they progress through college. We are interested in the development of a desktop application that can allow our students to be well organized. We are looking for the application to be Mac based but it should be able to be made available to other operating systems in the future if needed. The application should include features such as a checklist, journal, notifications and calendar. In addition we require maintenance and potential upgrades that will come later on.

BUSINESS REQUIREMENTS:

1. Features that we will need:

a. Checklist Organization

- i. Create Checklist: Users will be able to create new checklists with a name and date of creation and add entries.
- ii. Completed: Users will have the option to cross out any completed todo entries as well as having an optional due date for each entry. Only when all entries are marked as complete can the entire list be marked as complete.
- iii. Entry Assignment: Users will be able to assign checklists to one entry.
- iv. Delete Checklist: Users will be able to delete any given checklist, along with all the entries within the checklist.
- v. Edit Checklist: Users will be able to edit any given checklist. They will be able to change the name and description of the checklist and add, delete, or change, the due date on each entry.
- vi. Delete Entries: Users will be able to delete any given entries
- vii. Edit Entries: Users will be able to edit any given entries. The user will be able to change the name and description of the entry. The user can also change the entry due date and add, delete, or edit any sub-entries. They can also change the status of the entry.

1. Possible statuses include *complete*, *incomplete*, *failed*, *late*.

- viii. Move Entries: Users will be able to change the position of the entry or a sub-entry to an order that they prefer.

b. Notification Organization

- i. Event/ToDo Notifications: Notifications will show upcoming events and today's todos.
- ii. Stop: Users will have the option to stop the notification if the events already happened or if users have already completed todos.
- iii. Snooze: Users will have the option to have the notification to go off at a later time if they are currently preoccupied. Time intervals available for prolonging the notification will be customizable.
- iv. Disable Notifications: Users can disable the notification function if no longer needed.

c. Calendar Organization

- i. Calendar will be shown as default when users first open the app.
- ii. By clicking any given dates, the user can add todos or a journal entry.

d. Lock feature

- i. Lock: Users can set up a 4-digit pin to make any information invisible.
- ii. Change Pin: Users can change their pin.

e. Journal feature

- i. Write Journal: Users can write a journal for any given day.
- ii. Edit Journal: Users can edit any journal entry.
- iii. Delete Journal: Users can delete any journal entry.
- iv. Save Journal: Journals will be automatically saved unless the user chooses to delete the journal entry.

f. Note feature

- i. Write Note: Users can write any note. This will be separate from the calendar.

- ii. Save Note: Users can save the note with the 'save' function. The note will be saved in the user's device as any applicable format.

SOFTWARE REQUIREMENTS:

1. Desktop Application:

- a. This will be a downloadable application found on the web.
- b. The application should be prioritized to work on the Windows and Mac operating systems but should be able to expand to other operating systems in the future.

2. User Interface:

- a. The UI has to be user friendly and simplistic. The UI will be created using GUI.

3. Reliability:

- a. Users should have access to the application and data with or without the internet.
- b. Users only have access to their data on the device that the app is downloaded onto.

4. Security:

- a. This application can only be used by someone who downloaded and can only be used through the device that it is downloaded.

HARDWARE REQUIREMENTS:

1. Data Storage:

- a. User information and all other data will be stored on the user's device.

2. Compatibility:

- a. This application should be compatible with most Mac and Windows computer devices.

SUPPORT:**1. Maintenance and Upgrades:**

- a. Necessary upgrades and updates will be made regularly to add or fix features.

We will need the software to be completed by the end of Spring 2022 semester. These requirements are subject to change. If there are any questions or issues with the requirements, please let us know so adjustments can be made to the requirements or we can also provide clarification. We are expecting you to fulfill the technical details.

Thank you,

Jane Conoley
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