

## Requirements:

- **Functional:**

- Application user login
  - Given that a user has registered for Learn-By-ToDoing, they should be able to securely login. Login should be secure and should load that specific user's task data.
- Add tasks to list
  - A user should be able to freely add tasks within the application. When adding a task, they should be able to assign a point value, a task name, a date, and tags for the task. This interacts with the database, and when the user logs back in, their added tasks will remain.
- Calendar view for tasks
  - A user should be able to view their tasks in a calendar view. When the calendar view button is pressed, a calendar is shown with tasks put in their respective days in the calendar.
- Sort task functionality
  - A user should be able to click on the arrows by task components (Points, Task Name, Date) in order to sort by ascending or descending. This will change the ordering of tasks on the main screen.
- Filter by task functionality
  - A user should be able to filter by a task's date (before or after the date set by the user), or by tags. This will change the tasks on the main screen.
- Delete / Edit task functionality
  - A user should be able to delete or edit a task in the case of a mistake or misinput. This interacts with the database and changes the information there as well, so when a user logs back in, this data is still deleted/edited.

- **Non Functional:**

- Login Performance

- A user should be able to login to their account within 1.5 seconds of clicking the “Login” button 90% of the time. A user should be able to login within 3 seconds 100% of the time.
- Monitor Display
  - A user should be able to use the application regardless of the size of their monitor. The application should be usable on large and small monitors alike.