Storm King

<u>Goal of the app:</u> The goal of our application is to create a task management system that allows for easy visualization of both completed tasks and tasks to be completed, and provide feedback from peers.

<u>Feature List:</u>

1.) Menu

Description

- As a user, I would like to have access to the following features: profile setup, activity feed, and dashboard from a menu that is present on all screens.
- As an admin, I would like to have access to all of the same features as a user, with the addition of an admin panel from a menu that is present on all screens.

Constraints

The admin panel should be a menu option that is only present if the current logged in user is an admin

2.) Register and Login

Description

- As a user, I want to be able to login to my specific account to see my tasks and activity feed.
- As both a user and an admin, I want to be able to register a new account to be used in the system.

Constraints

Login info needs to be validated and only information pertaining to that specific user/admin should be displayed upon successful login. When registering usernames need to be unique and contain letters and numbers only. Both passwords and usernames should be between 6 - 25 characters long.

3.) Admin Setup - Manage Members/Groups/Boards

Description

- As a project manager, I want to be able to add new employees and groups to the system in order to accommodate my growing company.
- As a project manager, I want to be able to add a task board to a specific group so that my employees will only see the tasks relevant to their position.

Constraints

This feature should only be able to be done by an admin/manager role. All users created must have a username/password combination of 5-20 characters, and all groups should contain at least one user. Each group should also be assigned at least one task board as well.

4.) Manage tasks

Description

- As both a manager and an employee, I want to be able to add new tasks to the group board so that we can complete tasks as they arise.
- As a store owner, I want to be able to assign tasks to specific employees so that they know what they should be doing at all times.
- As a store clerk, I want to be able to take ownership of tasks before my boss assigns them to me so that I am not waiting on tasks to be assigned.
- As a project manager, I want to set strict deadlines for tasks to be completed so that my employees know how to prioritize their actions.
- As a project manager, I would like for the tasks to be assigned with a "man hours" associated to it so that there is a difficulty associated with the task.
- As a team member, I would like there to be a handoff feature in which I can give a task to a group member that is more qualified and they sign to confirm they are accepting the task.

Constraints

Tasks created are required to have a title, description, man-hours required and a deadline for the task to be completed. The deadline cannot be set for a date in the past. The handoff can be initiated any time the task is set to "in-progress" and must be confirmed by another team member before ownership is actually transferred.

5.) Task progress

Description

- As a group member, I want to be able to indicate my progress towards completing the task so that my manager can quickly glance and see how much I have progressed.
- As a group member, I want to be able to upload screenshots to my task so that I can further show the work that I have completed.

Constraints

The amount of steps in a specific task is dependent on the task assigned. Team members not handing off tasks properly to other people.

6.) Notifications
Description

- As a team member, I would like to receive notifications whenever someone has requested assistance or has passed a task off to another member.
- As a team member, I would like to receive notifications whenever someone has left a comment/feedback on a task I completed.
- As a team member, I would like to receive a notification every time a task is assigned.

Constraints
Notifications must be enabled in order for this feature to be used.

7.) Time tracking
Description

- As a project manager, I would like to see the total amount of time someone has devoted to individual tasks and the project.

Constraints

Everyone can see the time someone has devoted to individual tasks but the time devoted to the project should only be seen by an admin/manager role.

8.) Peer review system

Description

- As a project manager, I would like to see when someone has looked over the completed tasks.
- As a group member, I would like my work checked over before a task is finalized.
- As a software developer, I want to rank the work of my peers on a five-star rating system so that they have instant feedback on what I think about the work that they have completed.

Constraints

Reliant on a member's ability to peer review and voluntary time to view others' work.

9.) Comments

Description

- As a group member, I want to be able to leave comments on tasks so that I can document my progress and encourage my team members.
- As a group member, I want to be able to upload screenshots to my task so that I can further show the work that I have completed.
- As a manager, I want the capability of deleting inappropriate or detrimental comments on the system to be sure that employees behave appropriately.

Constraints

Managers should be the only ones able to delete comments and pictures. Comments should be less than 250 characters and a max of 5 pictures can be uploaded to each task.

10.) Google Calendar

Description

- As a team member, I would like there to be a feature to add a task to my Google Calendar so that I can get both push and email notifications when I have a task due that day.

Constraints

The title of an event on google calendar must be the same as the title of the task. Users must have a google account in order to use this feature.

Solution Sketches:

Feature: Admin Setup - Manage Members/Groups/Boards

Description: This will be a feature only accessible by admins in which they can add new employees, group employees together, and assign task boards to groups.

Manage Employees

+New Employee

Name	Pass	Admin	Actions
Storm King	••••	Yes	🖊 🗑
Calista Bell	••••	No	🖊 🗑

New Employee
Name [ ]
Password [ ]
Admin [Yes ▽]
[Cancel] [Add]

Manage Groups

+New Group

Group	Actions
Group 1	🖊 🗑 △
1. Samantha	—
2. Rashaad	—
	+
Group 2	🖊 🗑 ▽
Group 3	🖊 🗑 ▽
Group 4	🖊 🗑 ▽

Manage Boards

+New Board

Board	Actions
Board 1	🖊 🗑 △
1. Group 1	—
2. Group 2	—
	+
Board 2	🖊 🗑 ▽
Board 3	🖊 🗑 ▽
Board 4	🖊 🗑 ▽

New Board
Enter Name:
[ ]
[Cancel] [Add]

Select Group to add
[Group 3 ▽]
Cancel   OK

Edit Board
Enter Name:
[ ]
[Cancel] [OK]

Notes: Yellow circles indicate pop ups that appear after clicking a button. Each employee will have user/password validation of 5-20 characters. Each group must have at least one employee and one employee can belong to multiple groups. Each board must have at least one group and one group can belong to multiple boards.
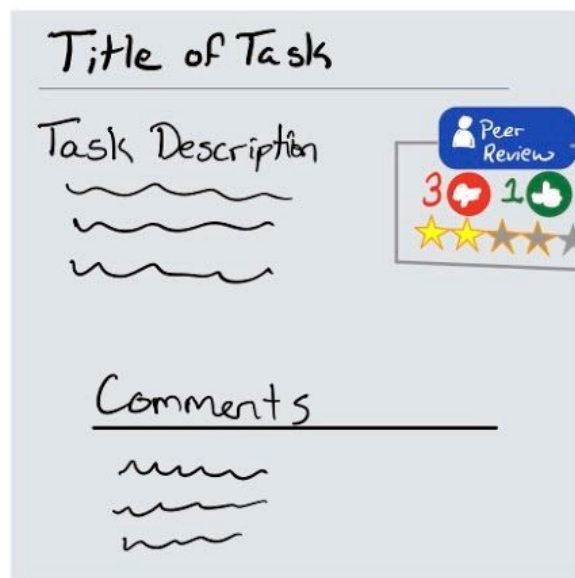
Feature: Notifications

Description: There will be a notifications bar that should alert the currently logged in user when someone has requested their assistance, passed a task off to another member, when a task is assigned, or when there is a comment/review left on a task assigned to the user.

Notification dropdown:
- User commented on Task 1 — 39 min ago
- User 2 requested help on Task 2 — 2 hrs ago
- Dismiss All   View All

≡ Notifications

Dismiss All

User commented on Task 1	39 min ago
User 2 requested help on Task 2	2 hrs ago
User assigned you to Task 1	1 day ago
User 3 is requesting you take over Task 2	3 weeks ago
User rated Task 2	1 month ago

Notes: Clicking on a notification should change the status of a notification to "seen" where it decrements the notification number, removes the dot from the notification screen, and changes the background color of the notification

Feature: Peer Review System

Description: There will be a button on each task card where a user can click to review a task and leave an approval or disapproval on the completedness of the task. They can also rank the user on the quality of their work.

Notes: The peer review system will just simply be a small section of each task card. Each user should be able to click a thumbs up OR a thumbs down for each task card. To the left will be the total number of thumbs up/thumbs down elections. Also, clicking on a star will elect the user's rating towards the card (indicated in orange outlines) and the average rating (indicated in yellow stars).