Calista Bell, Storm King, Samantha Farley, Aditya Singh, and Rashaad Ratliff-Brown

Scenarios

* Johnathan is a software developer for the new banking company, BankCorp. He has just completed his training and will be joining the dev floor with nine other new hires. They are evenly split between 10 new hires and 10 developers so that each new hire has a mentor for their first month. As part of this, each new hire is required to join the ‘new hires’ group on the Task Management System where every new hire is able to view the current work, progress, and quality of each of his or her peers’ work. This system is in place so that it ushers a friendly rivalry in the company where each employee can show off the work they have completed and view the work of others so that in the long term it will increase the quality of work. Johnathan suggests to the manager that each developer should be able to upload screenshots of their frontend work and even comments so that they can commend their coworkers with a job well done. The manager gets back to Johnathan and wants to go forward with this idea because he believes it will boost the morale of the workplace (as long as the comments are positive). The manager, as an administrator, wants the ability to delete inappropriate comments or pictures should they ever arise.
* Ace is a college senior in Dallas, at a private university, majoring in English. He is in his advanced English Literature class and has just been informed of a class project that will be focused on different periods of literature, the impact of them on modern-day literature, how it was used, and the impact of it on that time period.

Each group is required to split up the work and to work together and collaborate

in order to get this project done successfully. Each person in the group is required to do their own portion and contribute to the group equally and pull their own weight. Due to this, Ace suggests that the group uses the Task Management Software Service for the project. This Task Management Software Service would be in place so that each group member could be assigned their own tasks that they need to do for the project, set reminders and notifications for their tasks, allow them to be able to see the progress of each member. In addition, each member when a task is done will have the option to upload their work when they mark the task as done so that each team member can not only see that one of them has completed the task, but they can see not only the work but the quality of it as well. There will even be a section below each task done for feedback so everyone can get feedback on the work they have done, know how to do it better next time, and can be commended on a job well done.

The Task Management Software Service will help to make sure the work is split up,

that everyone in the group collaborates with one another, that each person pulls their

own weight does their own portion and contributes to the group equally.

* Gregory, age 20, is an undeclared college sophomore at a large public university in Michigan. He volunteers at a local cat shelter and nursing home when his schedule allows. He also manages a small technology repair business with his brother and four friends. He was born and raised in Michigan but hopes to move away after finishing college. His father works at a large tech company as an Engineer and his mother is a Psychiatrist. Both of his parents are very organized, but he has found the organization to be a challenge for him. He has always loved technology and finds it to be easy to use.

Gregory is well-versed with common google tools, but he still finds it difficult to communicate with his teammates and meet deadlines. He believes that software to help with his organization and business could be useful as it would allow him to delegate tasks, communicate effectively with other members, and improve his ability to meet deadlines.

* Jennifer, age 30, works for a software firm in Sweden leading a team of seven to eight programmers. She mostly works from home, while her coworkers are working from other locations. She has a master's in software engineering and has worked at this firm for 12 years. She would like to know when someone needs assistance. Jennifer would like to keep track of progress and know when someone has checked work. She has two children that live at home with her making it difficult to balance focus and leadership. Her firm has worked on a few applications that have not been as successful as they would like. The struggles she has in her job is communication and time management over her team. Having a few members in different time zones makes meeting in virtual meetings difficult to arrange. Her firm would like to increase productivity and the ability for team members to help when problems arise in other’s code. Having track over how many hours people are working will help her firm accurately determine pay. Jennifer would like to easily tell when something is complete or in progress. She would like to know how much time it takes members to complete a task and know the percentage total of work distributed among team members. Jennifer would like to get and receive notifications when something changes.
* Rob became a manager of a small computer repair shop chain in Orlando, called I-Fix-It. He also just hired 14 new employees, from that 14 employees, 7 of them will be working on a management system that could categorize the devices that come in that need to be repaired by the area of expertise that they are needed in. The point of making an in house system, for Rob, is that this would incentivize the employees into making a product that is widely used for the chain stores, they can initialize it in a way that it can be a stand-alone product, and it would keep the chain more organized and efficient. As the manager of the chain, Rob wants to be able to check in with every store and see how many and how much of repairs that they must do in a single day. With this software, Rob can see the growing trend of technology needing to be repaired or he can see what technology gets more repaired and thus cater to that audience.

User Stories

* 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 both a user and an admin, I want to be able to register a new account to be used in the system.
* As a user, I want to be able to login to my specific account to see my tasks and activity feed.
* 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.
* 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 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 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 want to be able to edit the details of a task in the case that details of a task change once the task has been assigned.
* 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.
* 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.
* As a store manager, I want the average of all of the rankings to be displayed on my employee’s profile so that I can assess his or her performance at the end of the period.
* As a project manager, I want there to be separate columns for incomplete and complete tasks so that I can only focus on the tasks at hand.
* 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.
* As a project manager, I would like for the tasks to be assigned with a “man-hours” associated with it so that there is a difficulty associated with the task.
* 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.
* 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 project manager, I would like to see when someone has looked over the completed tasks.
* As a project manager, I would like to easily determine the stage of progress the task is in.
* As a team member, I would like to receive notifications whenever someone has left a comment/feedback on a task I completed.
* As a project manager, I would like to see the total amount of time someone has devoted to individual tasks and the project.
* As a team member, I would like to receive a notification every time a task is assigned.
* As a project manager, I would like to know when a member is ahead or behind schedule.
* As a project manager, I would like to see a specific members percentages of tasks completed on time.
* As a group member, I would like my work checked over before a task is finalized.
* 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.
* As a manager, I want to be able to add or removes certain tasks as I see fit
* As a manager, I want to be able to change and see what type of devices are being repaired the most.
* As an employee, I want to be able to track how much time certain types of technology take to repair

Features

**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

#### **Comments**

Based on Jennifer’s scenario.

**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.

#### **Comments**

Based on Johnathan’s scenario.

**Manage members and groups**

**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.

#### **Comments**

Based on Jennifer’s scenario.

**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.
* As a manager, I want to be able to add or removes certain tasks as I see fit
* As a manager, I want to be able to change and see what type of devices are being repaired the most.

#### **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.

#### **Comments**

Based on Rob and Gregory’s scenario

**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.

**Comments**

Based on Johnathan’s scenario

**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 for this feature to be used.

**Comments**

Based on Ace’s Scenario

**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.
* As an employee, I want to be able to track how much time certain types of technology take to repair

**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.

**Comments**

Based on Jennifer, Rob, and Gregory’s scenario

**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.

**Constraints**

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

**Comments**

Based on Jennifer’s scenario

**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.

**Comments**

Based on Johnathan’s scenario.

**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.

**Comments**

Based on Ace’s scenario

**Admin Setup**

**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.

**Constraints**

This should only be done by someone who is in the role of administrator/manager. Only administrators/managers are allowed to add users.

**Comments**

Based on Jennifer’s scenario