

ProManage

Bryan Turns , Sonia Purisai , Sawyer Mckenney , Ian Haneke and Owen Hushka

1. Description

ProManage is a simple and efficient app designed to improve workplace management. This tool helps managers and employees communicate better. With ProManage, managers can easily keep tabs on their team's tasks without micromanaging. Employees, on the other hand, can update their progress, when delivering items or taking breaks, keeping everyone informed.

The app features two main sections: the administrative side for managers and the employee interface. Managers use their section to assign tasks, track progress, and message employees about any concerns. Employees use their interface to see daily or weekly tasks, update their status, and chat with managers if problems arise.

ProManage is for streamlining communications and promoting a positive work environment. It supports a culture where employees feel valued and managers operate more effectively. ProManage will help companies with communication and managing projects.

2. GitHub Tracker & Repository

Link to Github repository: <https://github.com/BryanTurns/ProManage>

Link to GitHub project Board: <https://github.com/users/BryanTurns/projects/1/views/1>

2.1 Member Details

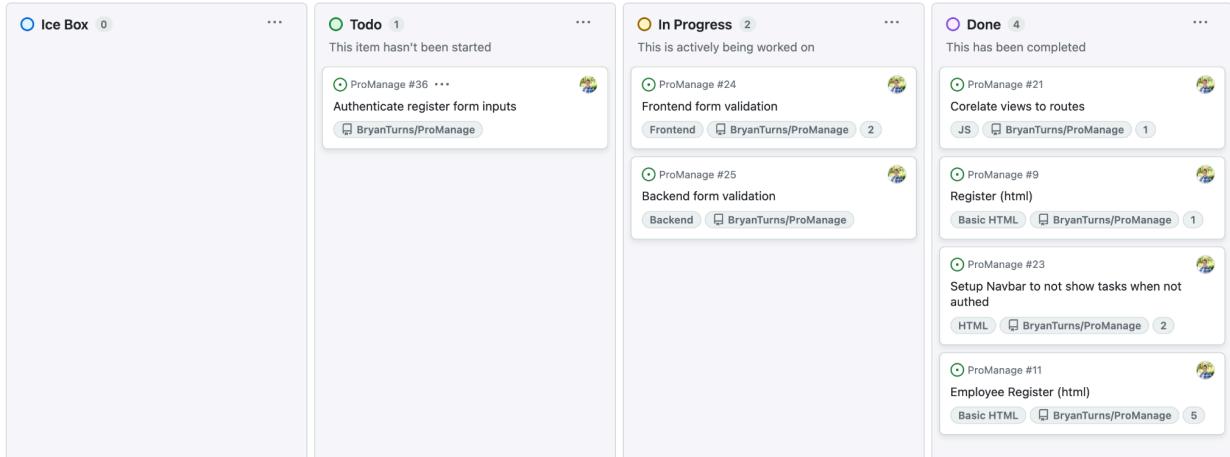
1. Bryan Turns <https://github.com/BryanTurns>
2. Sonia Purisai <https://github.com/soniapurisai>
3. Sawyer Mckenney <https://github.com/sawyermckenney>
4. Ian Haneke <https://github.com/ihaneke786>
5. Owen Huska <https://github.com/OwenHushka1>

3. How to use Promanager

Link to video  VideoDemonstrationforPromanager.mp4

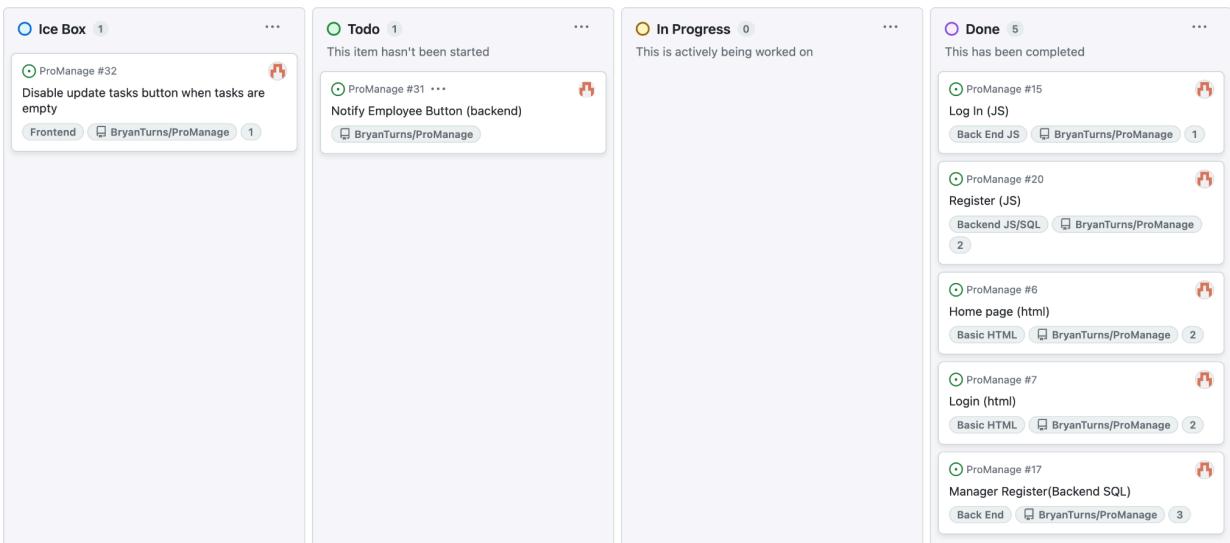
4. Contributions

4.1 Bryan Turns



I Implemented the navbar using bootstrap. I created the frontend javascript that enabled users to switch between completed and incomplete tasks. I made create task and update task functional on the employee tasks page. I styled the manager tasks page with a combination of bootstrap, vanilla css, and tailwind.css. I created the frontend code. I also set up the development environment connecting docker, nodemon, express, tailwind, and the postgres db.

4.2 Sonia Purisai



4.3 Sawyer Mckenny

I implemented the HTML part of the Manager Tasks page along with the modals that pop up upon each button press. After that I focused primarily on the manager side of things where I implemented the

ability for managers to create, update and delete tasks. As far as the class labs go I focused on those throughout the week. I implemented the test cases that were required for lab 11 and also completed lab 13 where we deployed our application.

1	Employee Identifier (HTML) #33	sawyer.mckenney	Done
2	Manager Tasks (html) #14	sawyer.mckenney	Done
3	Manager Tasks (Backend SQL/JS) #18	sawyer.mckenney	Done
4	Lab WEB DEPLOYMENT #38	sawyer.mckenney	Done
5	Employee Tasks (backend SQL) #16	BryanTurns and sa...	Done

4.4 Ian Haneke

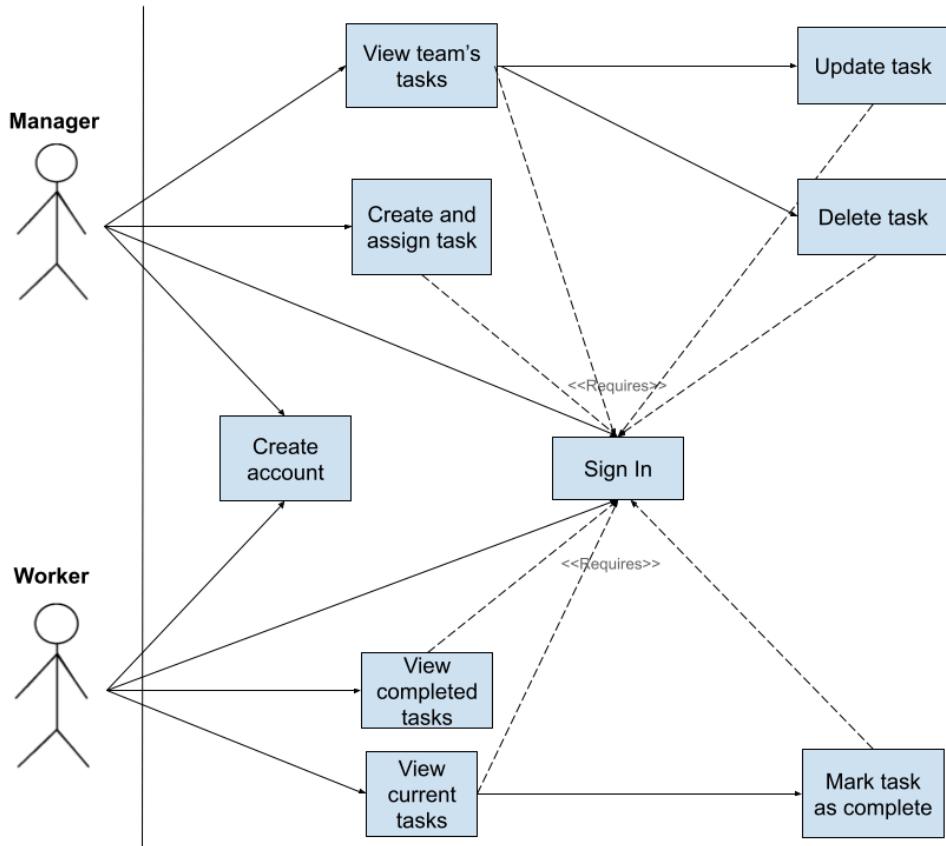
Ice Box	Todo	In Progress	Done
1 ProManage #28 ... Grey select tasks when no tasks BryanTurns/ProManage	1 Todo This item hasn't been started ProManage #37 Add Notifications to homepage BryanTurns/ProManage	0 In Progress This is actively being worked on	3 Done This has been completed ProManage #22 Data Base Schema BryanTurns/ProManage ProManage #12 Manager Register(HTML) Basic HTML BryanTurns/ProManage ProManage #4 Navbar partial(HTML) Basic HTML BryanTurns/ProManage

In the first week, I made the wireframes for the employee tasks page and the manager tasks page. Later on in the project, I built a lot of the homepage using html and bootstrap to include the carousel and formatting of the page, I built the Database schema for alerts, I worked on the layout of the navbar, and I modified the formatting of the manager and employee task pages.

4.5 Owen Hushka

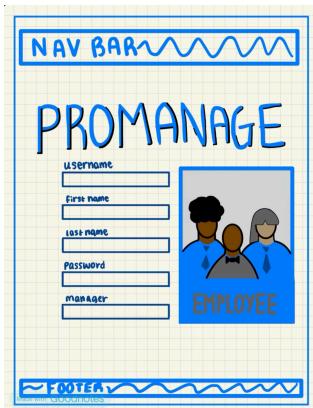
Ice Box	Todo	In Progress	Done
0	3 Todo This item hasn't been started ProManage #27 Notify Organization Button (backend) BryanTurns/ProManage ProManage #34 Tab Icon BryanTurns/ProManage ProManage #37 Add Notifications to homepage BryanTurns/ProManage	0 In Progress This is actively being worked on	4 Done This has been completed ProManage #30 Footer Frontend BryanTurns/ProManage ProManage #29 Notify Employee Button (html) BryanTurns/ProManage ProManage #26 ... Notify Organization Button (html) BryanTurns/ProManage ProManage #13 Employee Tasks (HTML) Basic HTML BryanTurns/ProManage

5. Case Diagram

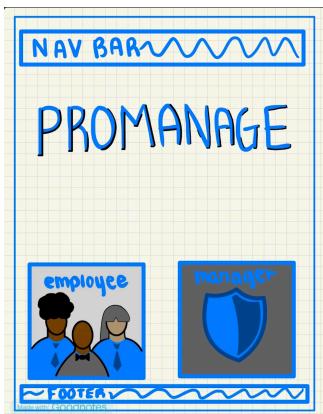


6. Wireframes

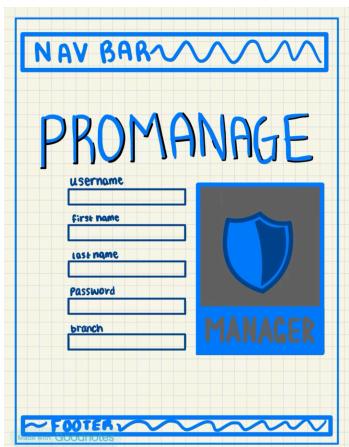
6.1 Register Page for Employees



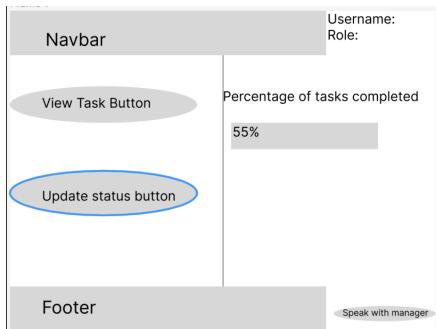
6.2 Page to Choose Manager or Employee



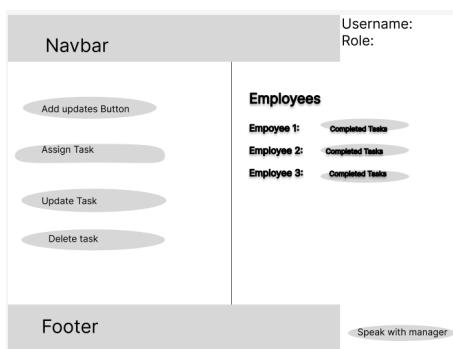
6.3 Register Page for Managers



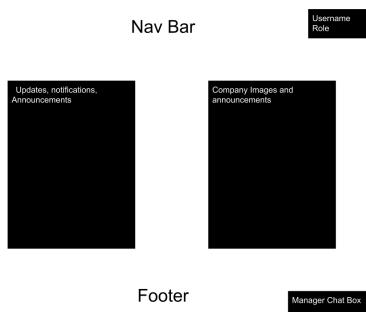
6.4 Employee Tasks page



6.5 Manager Tasks page



6.6 Homepage



6.7 Sign-in Page

Nav bar

Sign In

Email:

Password:

Footer

A wireframe diagram of a sign-in page. At the top is a horizontal blue bar labeled "Nav bar". Below it is a central box containing the text "Sign In" in bold. Underneath "Sign In" are two input fields: one for "Email" and one for "Password", both represented by blue rectangular boxes. At the bottom of the central box is the word "Footer".

6.8 Sign-out Page

Nav bar

Signed Out

Want to sign back in? [Sign In here](#)

Footer

A wireframe diagram of a sign-out page. At the top is a horizontal blue bar labeled "Nav bar". Below it is a central box containing the text "Signed Out" in bold. Underneath "Signed Out" is the text "Want to sign back in? [Sign In here](#)". At the bottom of the central box is the word "Footer".

7. Test Results

Feature 1: Assign an employee a task

Test Cases:

1. Task must have all required boxes filled by the manager.
2. All required boxes must be valid like date/time ect.
3. Tasks must show up in the employee task list.
4. When an employee updates the status this must reflect on the manager's end.

Test Data:

1. Task validated and added to employee DB.
2. Updated task but be updated in task DB.

Feature 2: Live Chat

Test Cases:

1. Employees must be able to access and send messages in the chat box.
2. Manager Must be able to receive messages from the employee.
3. Manager must be able to respond to the employee.

Test Data:

1. Message must be added to message DB by both employee and manager.
2. Both employee and manager must be able to see updated messages.

Feature 3: Completed Task

Test Cases:

1. Once a task is marked as complete by the employee the manager must be notified
2. The manager must be able to see a list of completed and uncompleted tasks by each employee.

Test Data:

1. Manager must have access to complete task DB and in Progress DB for the employee with the organization

- What are the users doing?

The user was creating an employee and manager account. This is valid because that is a key dependency in the application. The user was then seeing if on the manager side they could assign tasks and this is a key functionality

- What is the user's reasoning for their actions?

The reasoning behind this is to ensure the application is functional level.

- Is their behavior consistent with the use case?

Yes.

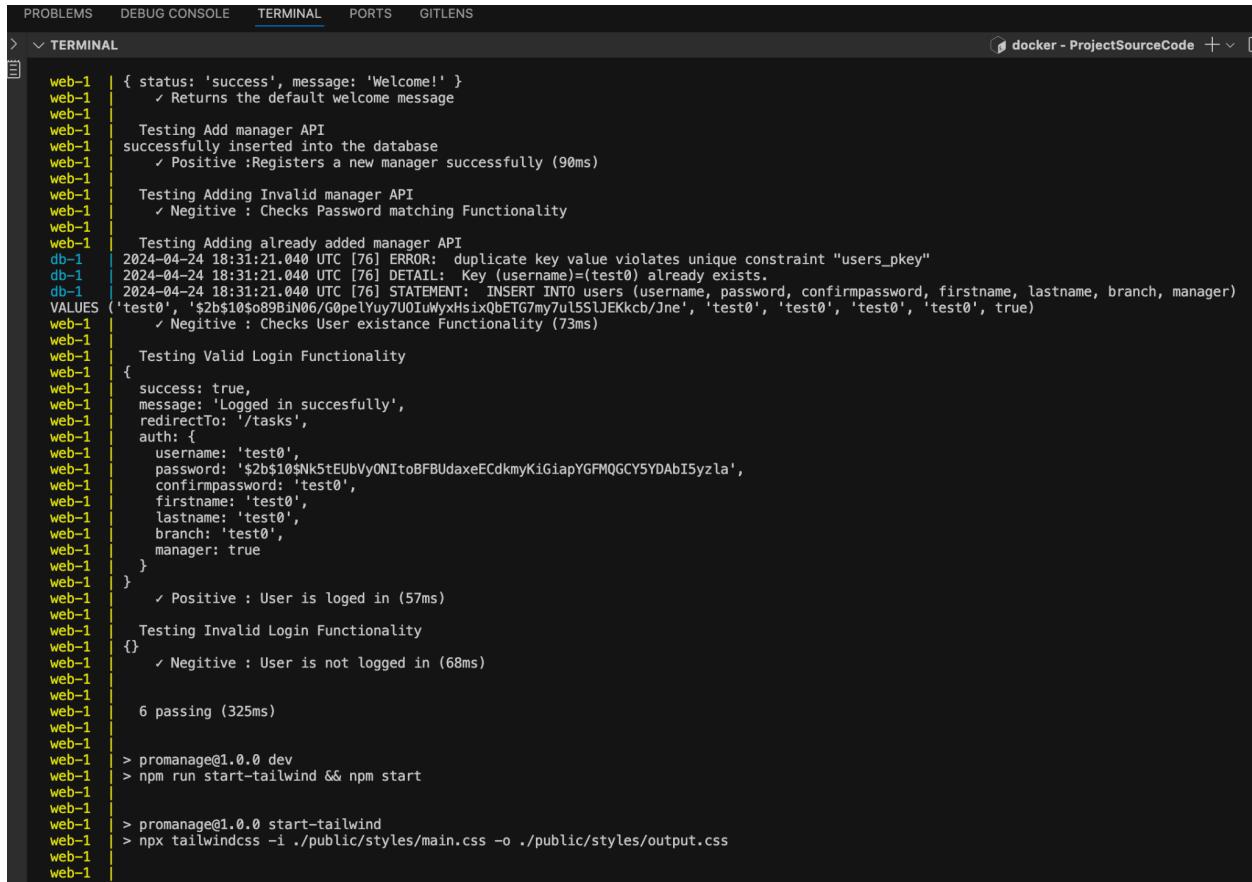
- If there is a deviation from the expected actions, what is the reason for that?

There was only deviation when the user already existed in the SQL DB because that would not allow the test cases to pass because the username already exists.

- Did you use that to make changes to your application? If so, what changes did you make?

The changes were already implemented; we were essentially just testing the functionality to ensure it works as expected.

Below is a screenshot of the results:



A screenshot of a terminal window titled "docker - ProjectSourceCode". The terminal shows a series of test logs from a container named "web-1". The logs include successful tests for adding managers, testing invalid manager API, adding already added managers (which fails due to a unique constraint error), valid login functionality (which succeeds), and invalid login functionality (which fails). It also shows a successful build command and a start command for Tailwind CSS.

```
PROBLEMS DEBUG CONSOLE TERMINAL PORTS GITLENS
> < TERMINAL
docker - ProjectSourceCode + □

web-1 | { status: 'success', message: 'Welcome!' }
web-1 |   ✓ Returns the default welcome message
web-1 |
web-1 | Testing Add manager API
web-1 | successfully inserted into the database
web-1 |   ✓ Positive :Registers a new manager successfully (90ms)
web-1 |
web-1 | Testing Adding Invalid manager API
web-1 |   ✓ Negative : Checks Password matching Functionality
web-1 |
web-1 | Testing Adding already added manager API
db-1 | 2024-04-24 18:31:21.040 UTC [76] ERROR: duplicate key value violates unique constraint "users_pkey"
db-1 | 2024-04-24 18:31:21.040 UTC [76] DETAIL: Key (username)=(test0) already exists.
db-1 | 2024-04-24 18:31:21.040 UTC [76] STATEMENT: INSERT INTO users (username, password, confirmPassword, firstname, lastname, branch, manager)
VALUES ('test0', '$2b$10$089BjN06/G0peLyuy7U0iuWyxHsixQbETG7myU15SLJEKkcb/Jne', 'test0', 'test0', 'test0', 'test0', true)
web-1 |   ✓ Negative : Checks User existence Functionality (73ms)
web-1 |
web-1 | Testing Valid Login Functionality
web-1 | {
web-1 |   success: true,
web-1 |   message: 'Logged in successfully',
web-1 |   redirectTo: '/tasks',
web-1 |   auth: {
web-1 |     username: 'test0',
web-1 |     password: '$2b$10$Nk5tEUbVyONItoBFBUdaxeECdkmyKiGiapYGFMQGCY5YDAbI5yzla',
web-1 |     confirmPassword: 'test0',
web-1 |     firstname: 'test0',
web-1 |     lastname: 'test0',
web-1 |     branch: 'test0',
web-1 |     manager: true
web-1 |   }
web-1 |   ✓ Positive : User is loged in (57ms)
web-1 |
web-1 | Testing Invalid Login Functionality
web-1 | {}
web-1 |   ✓ Negative : User is not logged in (68ms)
web-1 |
web-1 | 6 passing (325ms)
web-1 |
web-1 | > promanager@1.0.0 dev
web-1 | > npm run start-tailwind && npm start
web-1 |
web-1 | > promanager@1.0.0 start-tailwind
web-1 | > npx tailwindcss -i ./public/styles/main.css -o ./public/styles/output.css
web-1 |
```

8. App Deployment

