Scheduling Statistically Release Plan

Product Name: Scheduling Statistically
Team Name: Teeming with Statistics
Release Date: July 22, 2024
Revision Number: 1
Revision Date: July

High Level Goals

Goal 1: Have planner for users to add, edit, delete tasks

Goal 2: Have a secure storage method for users.

Goal 3: Have productivity line graph for users to track their progress

Goal 4: Have a way of time tracking for how long a task took.

Goal 5: Have Pie Chart for seeing why tasks were not completed

User Stories Defining the Scope of the Release

Sprint 1 - Basic Setup & feature implementations

User Story 1: As a productive user, I want the ability to create, edit and delete tasks.

Task 1.1: Create Task - 3 hours
Task 1.2: Edit Task - 4 hours
Task 1.3: Delete Task - 4 hours
Task 1.4: Basic UI for Functionality - 5 hours

Total for user story 1: 16 hours

User Story 2: As a user, I want to be able to access the planner from different computers.

Task 2.1: Initialize Database - 6 hours
Task 2.2: Develop JSON for storing user data - 6 hours
Task 2.3: Integrate Front end & Database - 6 hours

Total for user story 2: 18 hours

Sprint 2 - Further features implementation

User Story 1: As a user, I want a way to have complete or incomplete buttons to show if i completed or didn't complete a task.

Task 1.1: Implement Complete / Incomplete button & Functionality [3]

Total for user story 1: 3 hours

User Story 2: As a user, I want to have a drop down to show why I couldn't complete a task.
- Task 2.1: Implement drop-down & populate with appropriate reasons [4]
- Task 2.2: Implement "Other" Text box for custom reasons [5]
- Task 2.3: Update .JSON for handling [4]

Total for user story 2: 13 hours

User Story 3: As a user, I want to view a Productivity Bar Graph to see my past productivity for future planning purposes.
- Task 3.1: Implement Bar Graph from Chart.js [5]
- Task 3.2: Connect data from .json to chart for tracking [6]
- Task 3.3: Connect data to backend server for handling. [7]

Total for user story 2: 18 hours

Sprint 3 - Final refinement and additional features implementation

User Story 1: As a user, I want to be able to access my progress from anywhere.
- Task 1.1: Import / Export JSON Frontend [4]
- Task 1.2: Import / Export JSON Backend [4]
- Task 1.3: Login / Register Frontend [3]
- Task 1.4: Login / Register Backend [13]
- Task 1.5: Website Formatting [3]

Total for user story 1: 27 hours

User Story 2: As a user, I want to be able to track my productivity visually.
- Task 2.1: Chart.js Frontend [4]
- Task 2.2: Chart.js Backend [6]
- Task 2.3: Finalize implementation of database for new features [13]

Total for user story 2: 24 hours

Sanity Check
- Sprint 1: 34 hours
- Sprint 2: 34 hours
- Sprint 3: 51 hours

Total Hours: 119 hours

Average ideal hours per week per person: 8 hours per week * 6 people * 4 weeks = 192 hours

In most unideal circumstances, we should theoretically be okay to complete this project.

Product Backlog
- Task 1.1: Create Task - 3 hours

Task 1.2: Edit Task - 4 hours
Task 1.3: Delete Task - 4 hours
Task 1.4: Basic UI for Functionality - 5 hours
Task 2.1: Initialize Database - 6 hours
Task 2.2: Develop JSON for storing user data - 6 hours
Task 2.3: Integrate Front end & Database - 6 hours
Task 3.1: Implement Complete / Incomplete button & Functionality [3]
Task 4.1: Implement drop-down & populate with appropriate reasons [4]
Task 4.2: Implement “Other” Text box for custom reasons [5]
Task 4.3: Update .JSON for handling [4]
Task 5.1: Implement Bar Graph from Chart.js [5]
Task 5.2: Connect data from .json to chart for tracking [6]
Task 5.3: Connect data to backend server for handling. [7]
Task 6.1: Import / Export JSON Frontend [4]
Task 6.2: Import / Export JSON Backend [4]
Task 6.3: Login / Register Frontend [3]
Task 6.4: Login / Register Backend [13]
Task 6.5: Website Formatting [3]
Task 7.1: Chart.js Frontend [4]
Task 7.2: Chart.js Backend [6]
Task 7.3: Finalize implementation of database for new features [13]
Task 8.1: Pie Chart [4]
Task 8.2: Notifications [5]
Task 8.3: Authentication [14]
Task 8.4: Real-time Time tracking [11]
Task 8.5: Calendar with github style productivity markers [11]