

Timesheet Tracker: A Proposal for Capstone Project 4.1

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Group: Input/Output

Overview

Timesheet Tracking by Input/Output is an application that will replace the current format of recording hours in [4.1] Master TECHCareers Timesheet Tracker (Master Timesheet). The current Master Timesheet is unreliable, error prone, and inconvenient for users to record hours. Timesheet Tracking using .NET Core application to improve reliability of hour tracking and user friendliness.

Background

Historically, the Master Sheet has been an unreliable source for TECHCareers Cohort 4.1 to track their time. The Master Sheet uses Google Sheet application to monitor and analyze hours based on user input. Initially, users of the Master Sheet had issues entering hours and required training from instructors to comprehend the use of it. Additionally, the Master Sheet had shown, multiple times, the failure of updating project name and the sheet breaking. Therefore, Input/Output has decided to create an application that will help resolve issues mentioned above.

Scope of Work

Input/Output will be developing Timesheet Tracking application within the ASP.NET Core using C#, SQL, MariaDB, React-Redux-Router, and HTML-CSS-JavaScript. These are the features that will be included in our Timesheet Tracking application:

- Allow users to create an account that allows the user to input name and role,
- Create projects with tasks,
- Responsive and mobile friendly,
- Intuitive user interface,
- Identify information about task completion times,
- Generate lists of projects with hours associated to it and develop analysis such as average hours a project require, and,
- Archive projects for future use to do projections and analysis.

Timesheet Tracking is a locally based standalone application that does not require Internet database access. Therefore, we will not consider Internet security as our scope. Timesheet Tracking does not allow the sharing of databases as it is a standalone application. However, these features can be added in the future where resources are available. Additional requests, changes, and updates to this application will require contacting the Input/Output group.

Sincerely,
Jia Then and Osa Aimola