**Tuffy-Time**

Project Requirements

CPSC 362

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**Purpose**

The purpose of this project is to build a more efficient employee portal system that will help employees/managers clock in/out, keep track of their hours, and look at their schedules. Tuffy-Time will streamline the clock-in process, making it less of a hassle for employees to log and view their hours worked.

**Project Scope**

The scope of this project is currently limited to the employees of California State University, Fullerton, with options to expand to other CSU campuses as a possibility. Depending on feedback from the initial CSU release, we could expand the Tuffy-Time employee portal system for use with other businesses.

**User Interface**

The login screen will consist of a logo of Tuffy the mascot with a prompt below asking for the user’s ID number. After logging in, the user can click two buttons that will either show their logged hours or their work schedule. The user interface would follow modern design principles such as meaningful contrast between screen elements and an emphasis on simplicity. Since the user interface will be displayed in a web browser, we would use web-safe colors and responsive design to account for different screen sizes.

**Software Interfaces**

This project will utilize HTTPS to communicate between a forward-facing client and backend server. The client will use HTML and CSS for the layout and design of the interface, with JavaScript for the interactive elements. The server will use text files to store data such as usernames, hours, ID numbers, login information, and schedules as a proof-of-concept, with a plan to transition to a relational database such as mySQL for increased robustness and security.

**Programming Languages**

The programming languages used will be C++, HTML, CSS, and JavaScript.

**Integrated Development Environment (IDE)**

The IDEs that will be used for this project is Visual Studio and possibly Eclipse.

**Implementation Time Length**

The implementation of this project will roughly take about 16 weeks.