

# Group 8 Project Proposal

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**Repository:** <https://github.com/CS546-Final-Project-Group8/Final-Project>

## I. Project Idea

Many small businesses use archaic timesheet technology to record the attendance of their employees, so we decided to build a web app for businesses to more easily track hours for employee payroll with a virtual punch clock. Managers will be able to create an account to view each employee's log of hours and other metrics. Employees can clock in and out while their hours worked are recorded and their expected pay can be calculated automatically by the manager.

## II. Core Features

### A. Login Page

1. Option to create a manager account.
2. Log-in for existing accounts. Employees and managers should be automatically redirected to their respective dashboards.

### B. Main Page

1. Option to clock in and out of their shift.
  - a. Special clock in/out for lunch breaks.
  - b. Optional notes field to leave a note for the manager when clocking in/out
2. Can see a record of their previously completed hours.
3. View current working status: clocked in or out

### C. Manager Portal

1. View statistics and visualizations of attendance or pay for all employees in a designated pay period.
2. Search for an employee in the database by name or ID number.
  - a. Ability to view all data of an employee's account.
  - b. Form to edit the employee's account information.
3. Form to create a new employee account.

### D. Payroll

1. Expected pay and hours are automatically reset at the beginning of each pay period

### **III. Extra Features**

- A. Option for employees to request time off.
- B. Autocompletion for employee search in manager dashboard.
- C. Export payroll data to a spreadsheet or PDF file.
- D. Ability to promote existing employees to management status.
- E. Store open/close button in the manager dashboard, and allow check in/out features accordingly.