### **Facial Recognition Clock in System**

Facial Recognition Clocks in the System is used for employees to clock in and out and for break time. A time clock with facial recognition is a software clock that tracks employee time by authenticating with the employee's face. Employees will only need to stand in front of the camera to use this clock-in system, and the facial recognition will immediately pair with the database stored in the backend.

One important feature is that this clock-in system will give managers more access; managers will have access to the employee facial recognition database and will be able to keep track of every employee's schedule. If an employee doesn’t show up for their shift or fails to follow their schedule for any reason, the manager will be notified.

#### **WRSPM module**

1. **World**: All employees consent to have a facial scan
2. **Requirement**: User requirements are for employees to be able to clock- in and out to their shift and break. Managers have access to remove or add employees and see the punch-in and out times.
3. **Specification**: The employees or managers who used the machine product will require to scan their faces, and then various buttons will show up depending on who is using the clock in the system. For the employee, it will have the option to clock in or out as well as the break. For managers, it will have all of the options that employees have, plus the option of adding/removing employees and the button for tracking each employee's punch-in and out time.
4. **Program**: We will use java as the main program language and are required to build a database that contains each employee's information, clock time, and facial scan.
5. **Machine**: This program will require a tablet with a camera or a computer with a camera and a mouse.