SwiftClock: Use Cases & Use Case Diagram

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Use Case 1

Name	Add/Remove Employee
Identifier	CEN3073-33
Description	Add/Remove employees from the database.
Pre-Condition	1. The Directors account is already created for use.
Postcondition	1. The Director shall be able to add or remove any employee from the database along with modifying their information.
Basic Course of Action	1. The use case begins when the Director wants to add or remove an employee to or from the system. 2. The system verifies the current database information of all employees in the system. 3. The Director enters the "Employees" tab where they will have the option of adding or removing. 4. The Director enters the employee's credentials if adding. 5. The Director selects the employee that is to be removed if removing. 6. Use case ends.
Alternate Course	A. The System is down for maintenance. A.1. The system enters the information that is to be added or removed into a queue. A.2. Once the system comes back online, the queued addition or removal will be put into effect.

Use Case 2

Name	Display Timecards
Identifier	CEN3073-43
Description	Display timecards for each employee in the company.
Pre-Condition	1. There are employees already within the system.
Postcondition	1. The system shall display the timecards for all employees in the database.
Basic Course of Action	1. The use case begins when the Director wants to view the employee's timecards or when an Employee wants to view their own timecard. 2. The system verifies the database information corresponding to the Director for all employees or to the single employee. 3. The system displays all the timecard credentials. 4. Use case ends.
Alternate Course	A. The System does not have any employee timecards to display. A.1. The system determines that there are no available timecards. A.2. The system allows the user to add an employee, so the system has something to display. A.3. The system displays all the timecards credentials.

Use Case 3

Name	Generate Report
Identifier	<u>CEN3073-34</u>
Description	Generates selected report using the required information.
Pre-Condition	1. The Directors account is already created for use.
Postcondition	1. The Director shall be able to generate the selected report.
Basic Course of Action	1. The use case begins when the Director wants to generate a report for company use. 2. The Director navigates to the "Reports" tab. 3. The system verifies the selected report that is to be generated. 4. The system acquires the data needed to generate the selected report. 5. The system generates the report as a file that can be printed. 6. Use case ends.
Alternate Course	A. The System does not acquire the required information for the report. A.1. An error message will appear for the Director to add any missing information for the report to be generated. A.2. The use cases continue from <u>step 4</u> from the basic course of action.

Use Case 4

Name	Display Calendar
Identifier	CEN3073-35
Description	Displays the Calendar for the Director and for the Employee for viewing.
Pre-Condition	1. The Directors account is already created for use. 2. The Employees account is already created for use.
Postcondition	1. The Director shall be able to view their calendar. 2. The Employee shall be able to view their calendar.
Basic Course of Action	1. The use case begins when the Director or Employee wants to view their respective calendar. 2. The Director or Employee navigates to the "Calendar" tab. 3. The system verifies the information that is to be displayed onto the calendar, such as upcoming events or work schedules. 4. The system displays those events or work schedules onto the calendar. 5. Use case ends.
Alternate Course	A. The calendar displays outdated information. A.1. An error message will appear for the user, letting them know to refresh the program since it was updated recently. A.2. The user refreshes the page. A.3. The calendar is updated. A.2. The use cases continue from step 3 from the basic course of action.

Use Case Diagram