EMPROVE.

An Employee Productivity System Using Machine Learning

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Contents.

- Introduction
- Process Overview
- Process Flow Diagram
- Architecture Diagram
- Use Case Diagram
- Data Flow Diagram
- Class Diagram
- Technology Stack
- Conclusion

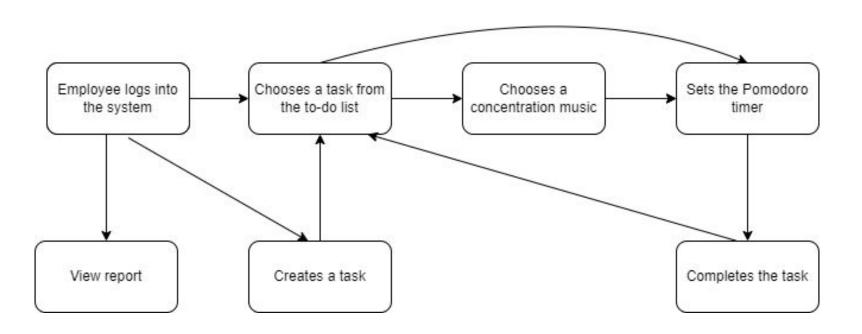
Introduction.

- Studies show that increase in employee productivity can contribute to greater profits for the company as well as increased employee satisfaction.
- Efficient productivity techniques would help the employees to perform well without burning out or compromising the quality of the software product.
- Our Employee Productivity System is designed to help employees track their tasks and manage their time more effectively.

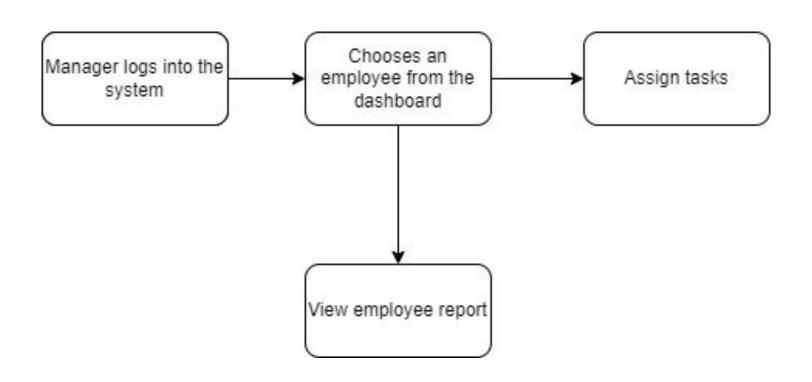
Process Overview.

- **Tracking tasks:** Employees can create, prioritize, and mark tasks as complete through our task management interface.
- Using the Pomodoro timer: Employees can track their work sessions using the Pomodoro timer, which helps them stay focused and take breaks at regular intervals.
- Listening to concentration music: During work or during breaks, employees can choose to listen to concentration music to help them focus or relax.
- **Drowsiness detection:** In background, our system constantly checks if the employee is active or drowsy using ML techniques. The analysis is presented in the productivity report.
- Viewing reports: Employees and managers can view reports on employee productivity to help them identify areas for improvement and track progress over time.

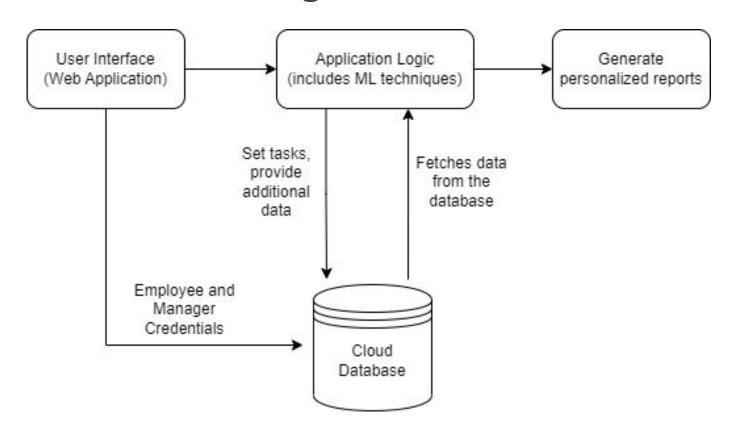
Process Flow Diagram - Employee.



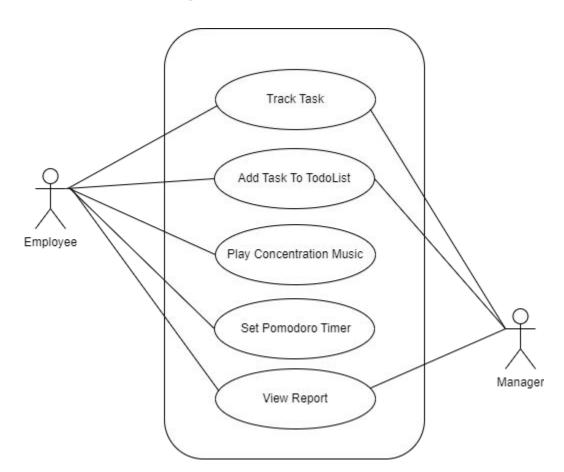
Process Flow Diagram - Manager.



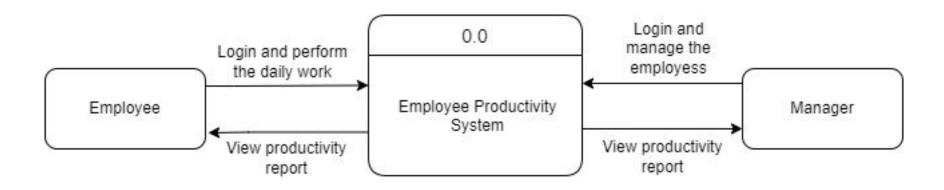
Architecture Diagram.



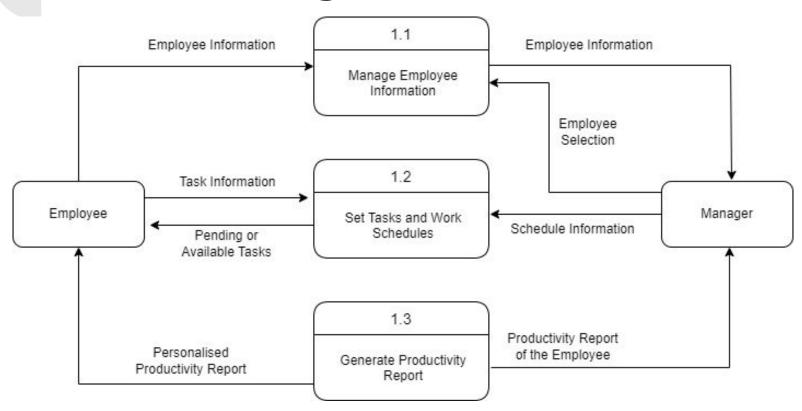
Use Case Diagram.



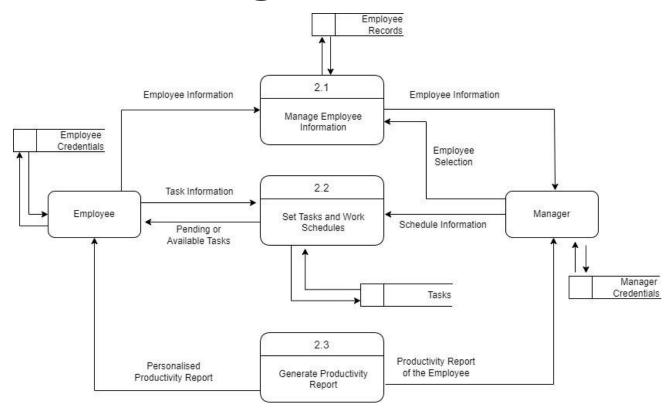
Data Flow Diagram - Level O.

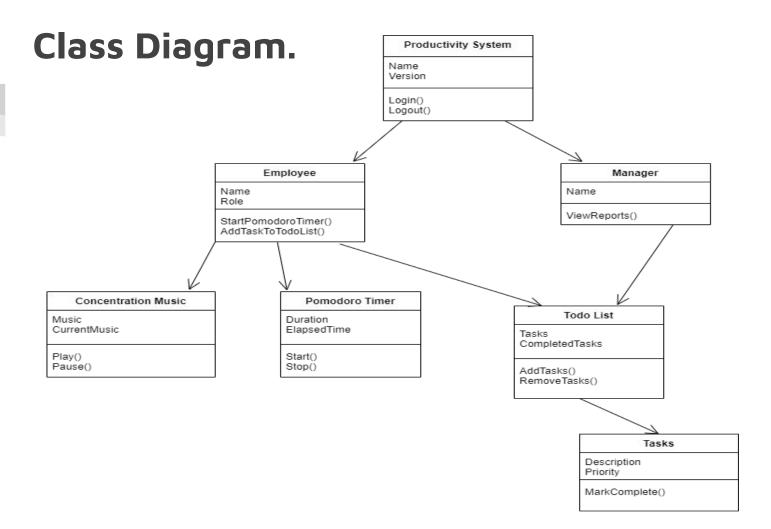


Data Flow Diagram - Level 1.



Data Flow Diagram - Level 2.





Technology Stack.

Minimum Software Requirements

- Operating System Windows 7 or above
- Frontend HTML, CSS, Javascript
- Backend Firebase
- Database Firebase Realtime Database (NoSQL DB)
- Web Browser Firefox or Chrome

Minimum Hardware Requirements

- Processor Intel Pentium or above
- Storage 200 GB
- Display Type PC Display
- Sound Card- Required
- Internet Connection Required

Conclusion.

- Employee Productivity System is a powerful tool for helping employees track their tasks, manage their time, and stay focused and productive throughout the workday.
- With features such as a Pomodoro timer, to-do list, and concentration music, the software offers a range of benefits for both employees and managers.
- By using the system, companies can achieve higher levels of productivity, better task management, and a healthier work-life balance for their employees.

Thank You.