Visual Inspection of Workplace Productivity

Workplace Productivity

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ABSTRACT/INTRODUCTION

- Workplace productivity software using AI/ML is a type of software that utilizes artificial intelligence and machine learning algorithms to optimize workplace efficiency and productivity.
- The software uses the media pipe algorithm which is the most effective face detection algorithm available in python.
- The software works by using web cam and advanced face detection algorithms to identify and track individual employees as they move through the workplace.
- The system can record when an employee enters or exits the workplace, as well as when they take breaks or leave for lunch.

OBJECTIVE

- The purpose of Visual Inspection of Workplace Productivity software is to measure office hours worked, automate and accurately track the time and attendance of employees in the workplace.
- By using this software, employers can ensure that employees are paid accurately for the time they spend in the office.
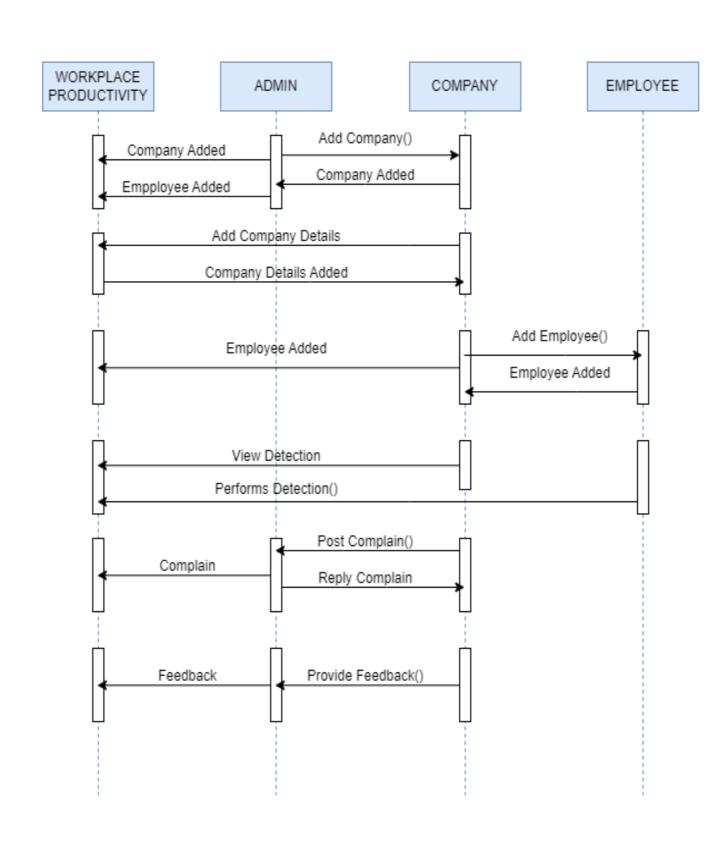
TOOLS AND TECHNOLOGY

Frontend :   **Backend:**

HTML   Eclipse Neon
CSS   Pycharm
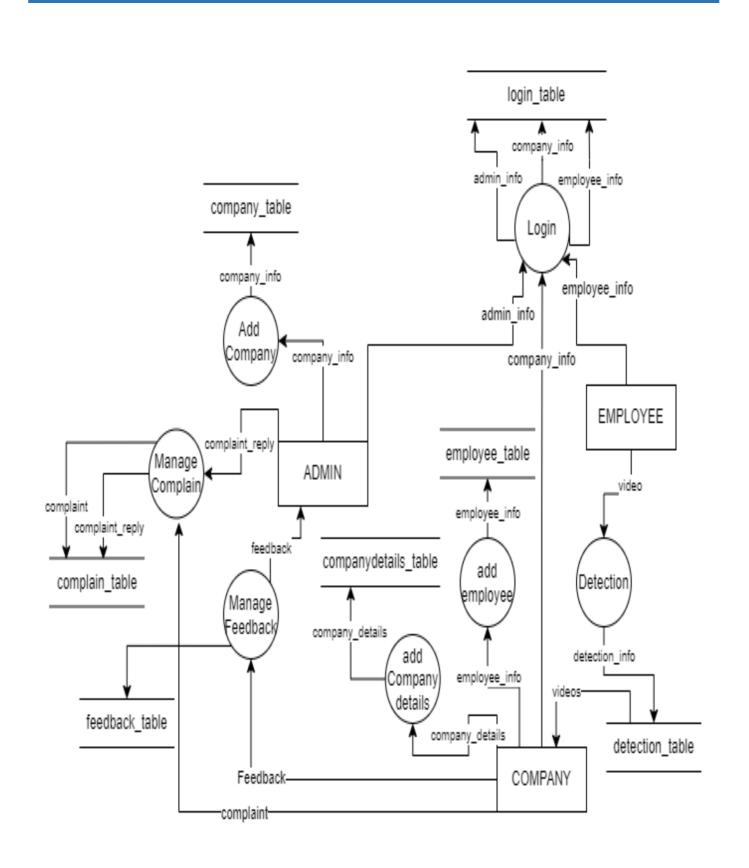Javascript   SQL Yog
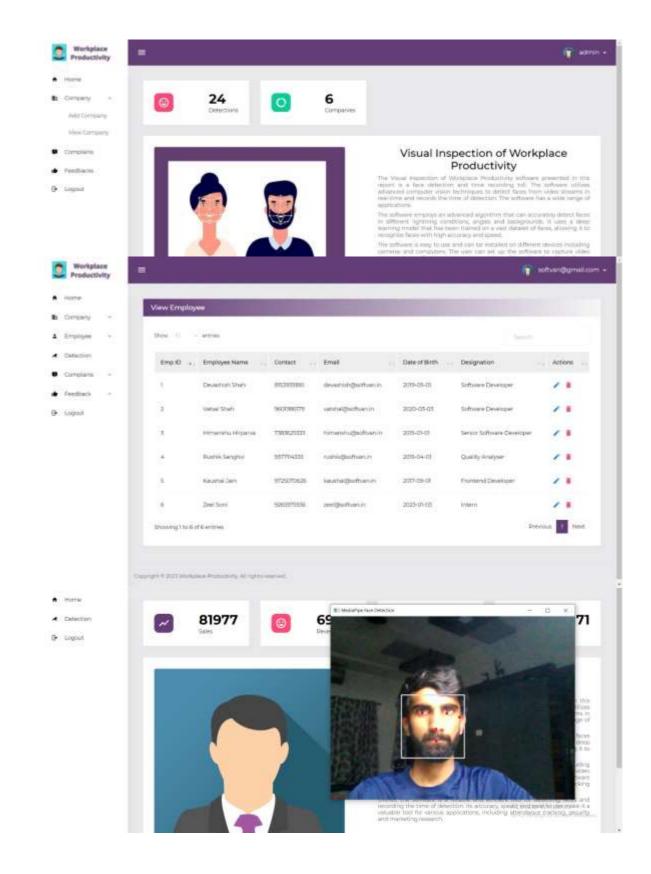jQuery
Bootstrap

Tools:

Eclipse Neon
Pycharm
SQL Yog

WORKING ALGORITHMS/ IMPLEMENTATION

DATA FLOW DIAGRAM

SCREENSHOTS

FUTURE ENHANCEMENT

- **Project Management:** This feature can be added to help teams manage projects, including task assignment, progress tracking, and deadline management.
- **Calendar:** This feature can be added to allow users to schedule meetings, appointments, and deadlines.
- **Chat and Messaging:** This feature can be added to offer chat and messaging features to facilitate communication between team members

CONCLUSION

Workplace Productivity software has been increasingly used to analyse the captured facial images using web camera of employees to track their work hours.

GUIDE BY:

External Guide: **Internal Guide:**
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