Company(Flexibility Cloud Services) Employee LMS

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Technologies Used

- **Frontend**: Angular
- **Backend**: Node.js with Express.js
- **Database**: MongoDB
- **Authentication**: JWT-based Role Authentication
- **Styling & UI**: Angular Material, SCSS
- **API Testing**: Postman
- **ORM**: Mongoose

Project Overview

This full-stack web application is designed to streamline operations between **companies (admin role)** and **trainers (user role)**. It provides intelligent automation for business functions such as invoice generation, salary calculations, and real-time financial insights through dedicated dashboards.

Admin (Company) Features

The **Company Dashboard** offers full control and visibility over business operations.

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Key Features:

- **Login as Company (Admin Role)**
- **Dashboard**: Overview of company financials and operations.
- **Purchase Order Form**:
  - Submitting a purchase order automatically triggers:
    - Company invoice generation
    - Employee salary computation
    - Salary slip creation
    - Trainer invoice generation
    - Profit and expenditure summary updates
- **Employee Management**:
  - Add, view, and manage employee records.
  - View and generate individual salary slips.
- **Invoice Centre**:
  - Track and download company-wide or individual invoices.
- **Profit & Expenditure**:
  - Real-time calculation of business profitability.
  - Breakdown of all expenditures related to trainers, operations, etc.

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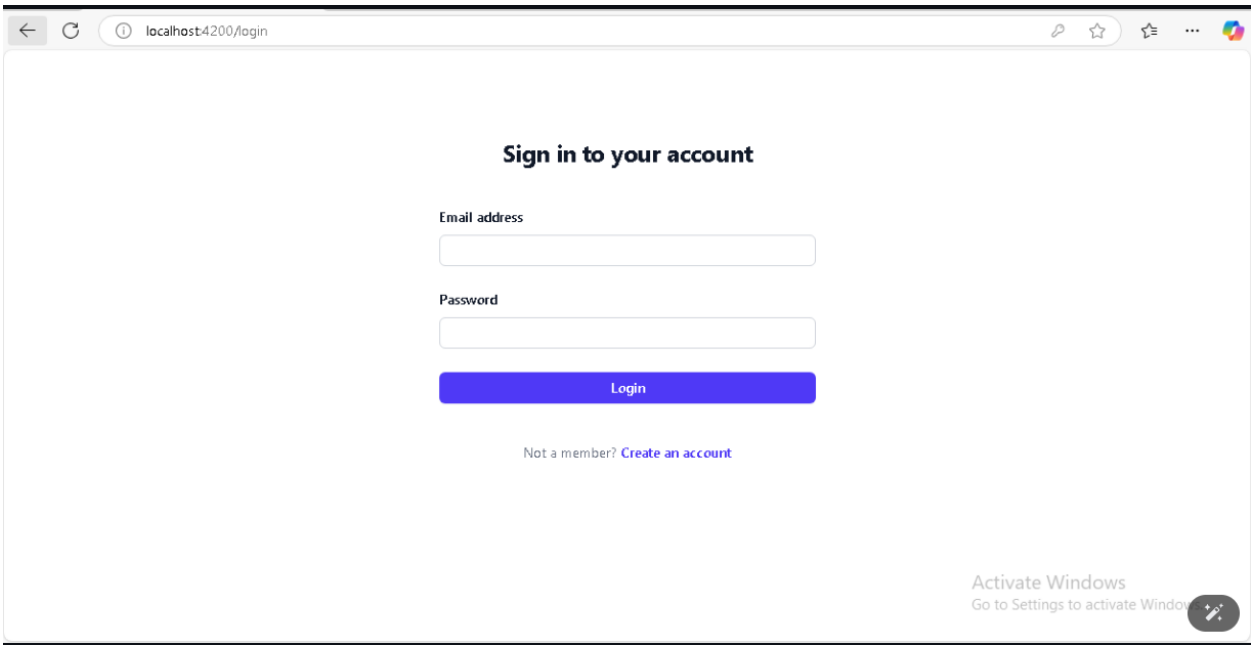

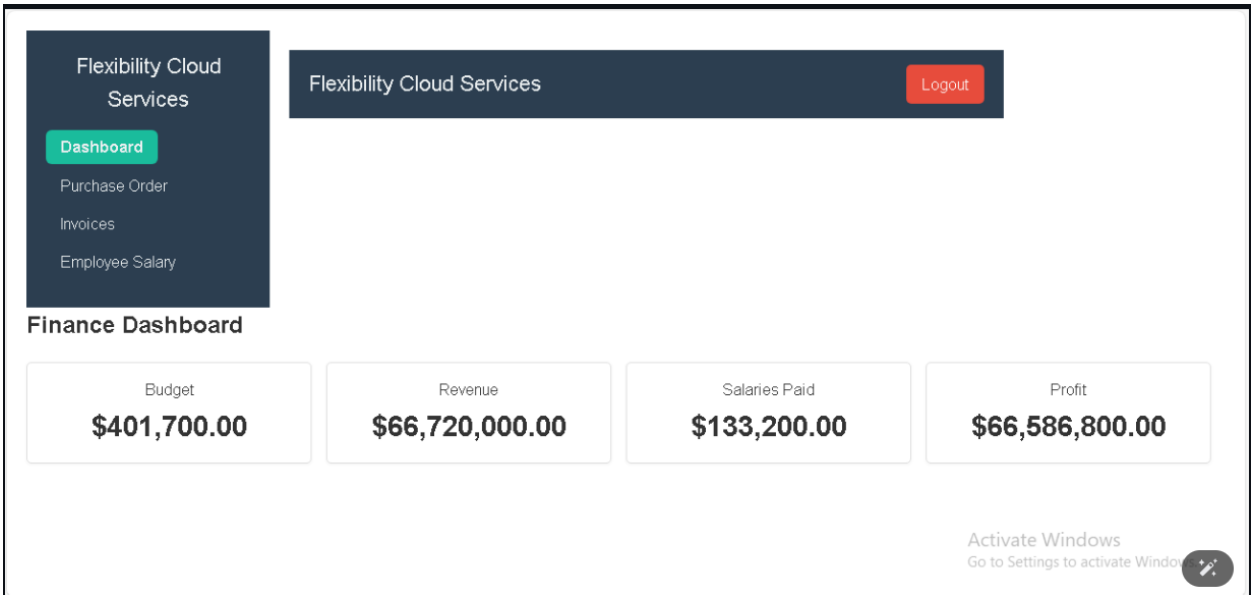

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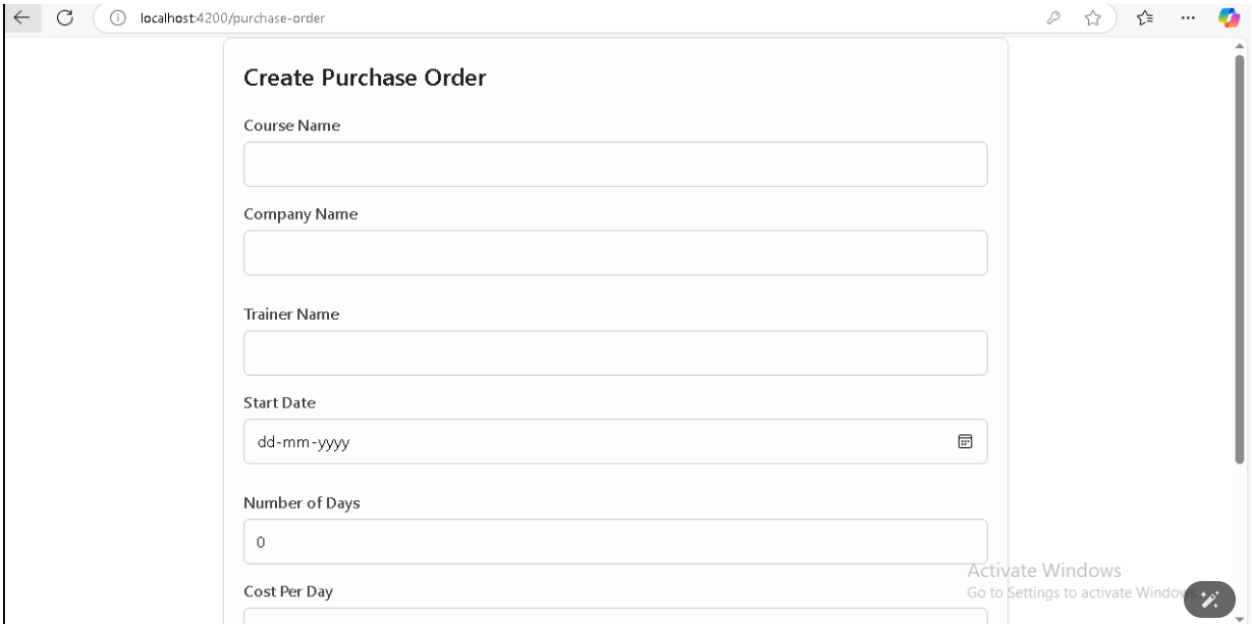

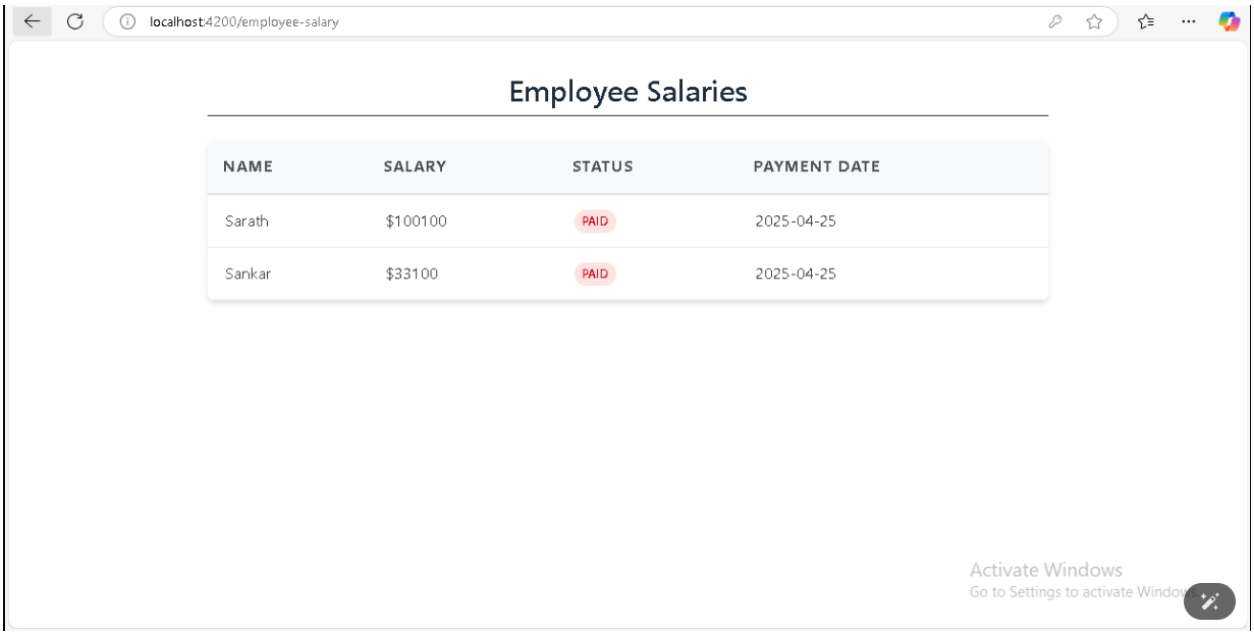

User (Trainer) Features

Trainers have access to their own dashboards showing personalized data and actionable insights.

Key Features:

- **Login as Trainer (User Role)**
- **Trainer Dashboard**:

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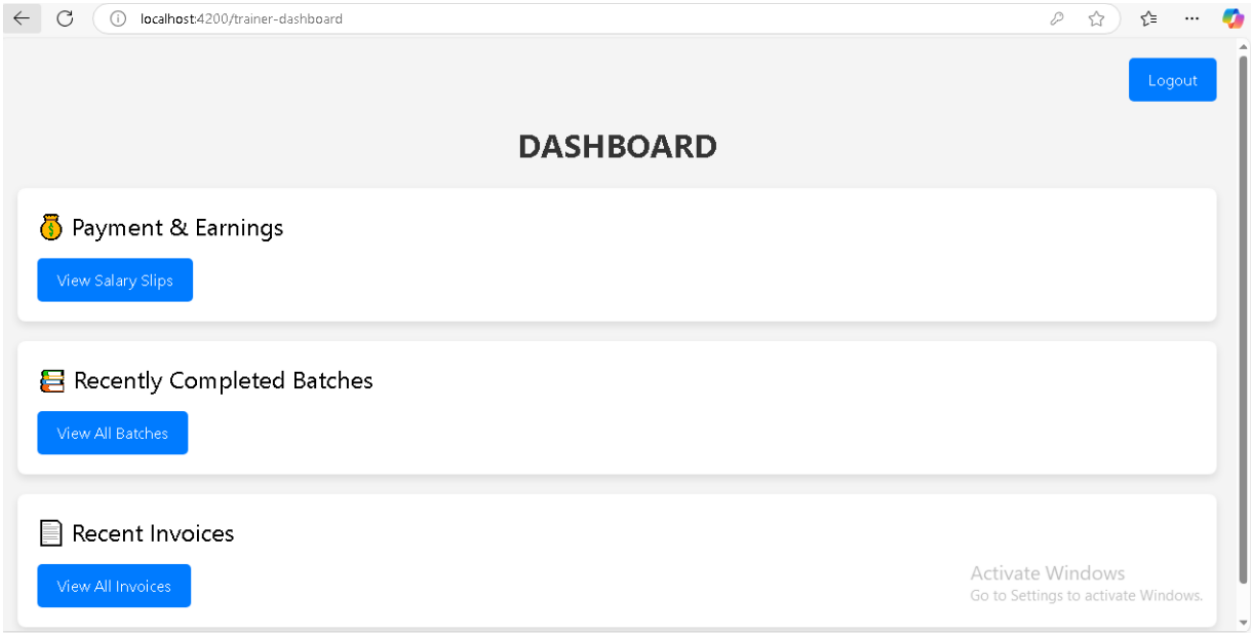
  - View allocated tasks, session records, and invoice summaries.
- **Salary & Invoices**:
  - Access monthly salary slips and personal invoice history.
- **Activity Logs**:
  - View historical interaction records with companies or sessions.



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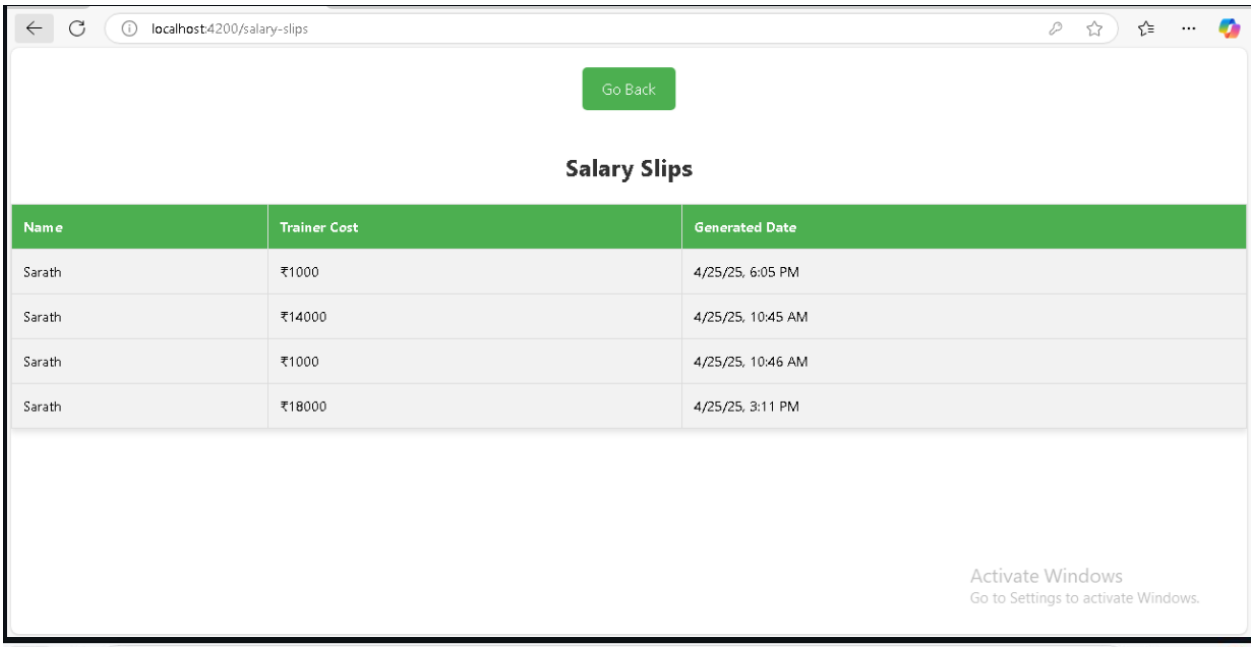

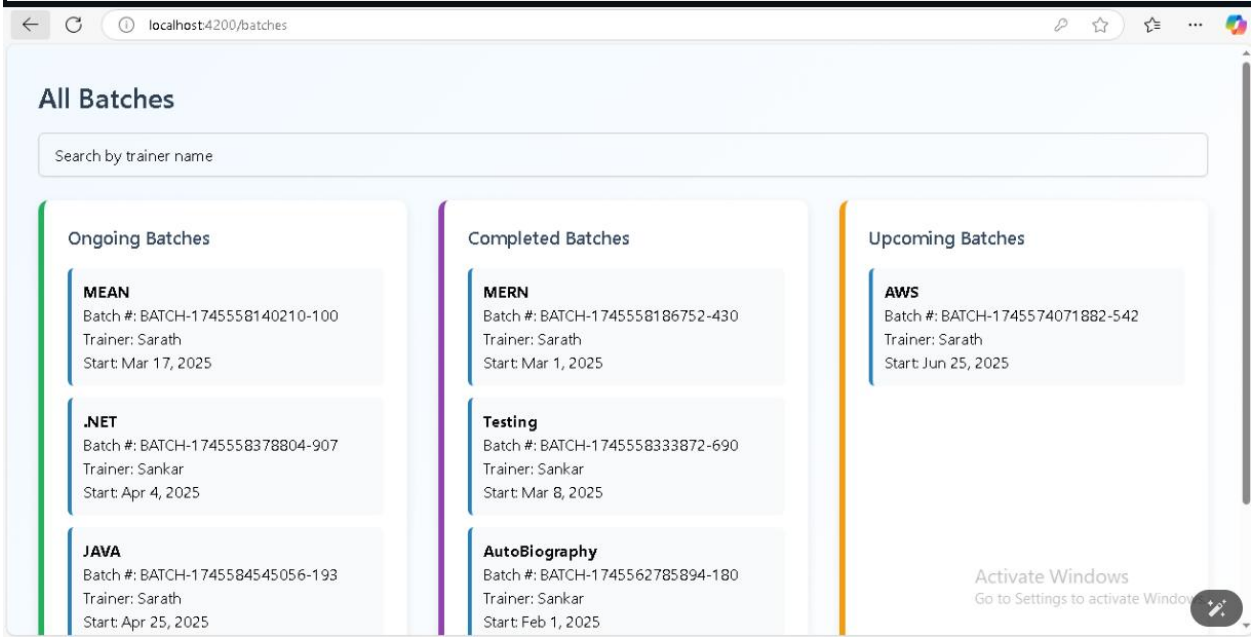

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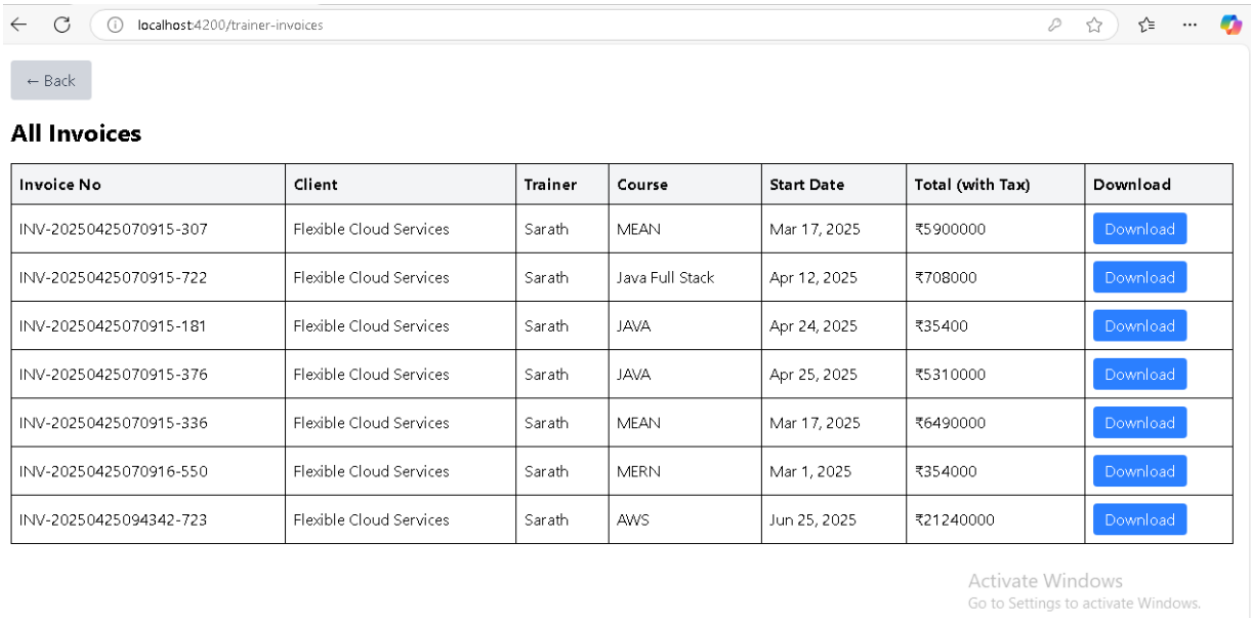

Authentication & Role Management

- **JWT Authentication** secures login sessions
- **Role-based Access** for:
  - Company (Admin)
  - Trainer (User)
- Frontend guards and backend middleware ensure only authorized access to protected routes

Testing

- API endpoints tested with **Postman**
- Angular unit testing for components and services