

Grand Valley State University CIS641 - System Analysis and Design

Project: Employee Management System

Presented by: Team Vikings

Group Members and Roles



- Vamsi Paturi : Front End Developer
- Venkata Madhav Thota: Database Engineer/ Quality Analyst
- Dilip Kumar Vavilapalli : GUI Designer
- Vaishnavi Prakash Rasane: Backend Developer / Document Designer

Professor: Erik Fredericks



For any organization, managing all the employees data and keeping a track of it manually is a time consuming process. EMS will help organization to locate specific employees' complete records within a business and assist newly hired employees with the onboarding process,

Features:



Admin and Employee login

Upload Employee onboarding documents

Employees List and their record

Employee Work
History Record

Attendance Management

Salary Management





Angular JS

It is used for front-end web application development framework using type script for development

Amazon S3

 It is used to store the documents on cloud

Node Js

 Used node.js as a backend server with mongoDB to store data in the database



What has Changed since midterm?

- UI
 - We completed user interface which we planned initially
- Features
 - Developed frontend for work history record, employees list
 - •S3 bucket integration to store the documents on cloud.
- Backend
 - Integration of front-end and back-end for few functionalities.



What is EMS Change Management Plan?

- 1. Why EMS System?: Information management system for organization. Easy to use for employees.
- 2. Integration within organization ecosystem: Identifying the existing software that the company is currently using and developing integration plan.
- 3. Training Strategy: Provide a comprehensive overview of the system to user and demonstrate how to use the system, offer support.
- 4. How EMS will you ensure that it any discovered issues are resolved?: By monitoring system performance, establishing a process for reporting and tracking issues and creating timeline to resolve the issue

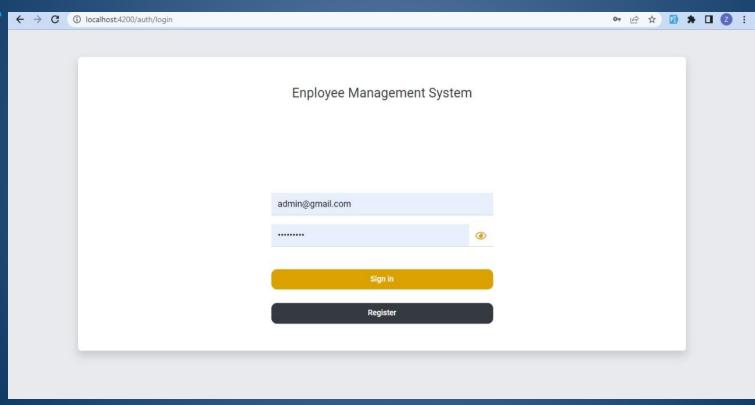
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Installation Guide:

- 1. Clone the git-repo, click here
- 2. Instructions to run backend:
- i) Change directory using command \$ cd src/EMS Backend
- ii) Start backend connection using the command \$ nodemon index.js
- 3. Instructions to run the Frontend:
- i) Once the backend is connected open new CMD
- ii) Change directory using command \$ cd src/EMS Frontend
- iii) Start frontend using the command \$ ng serve -o
 - 4. Now both the front and backend are connected and application is ready to Use.

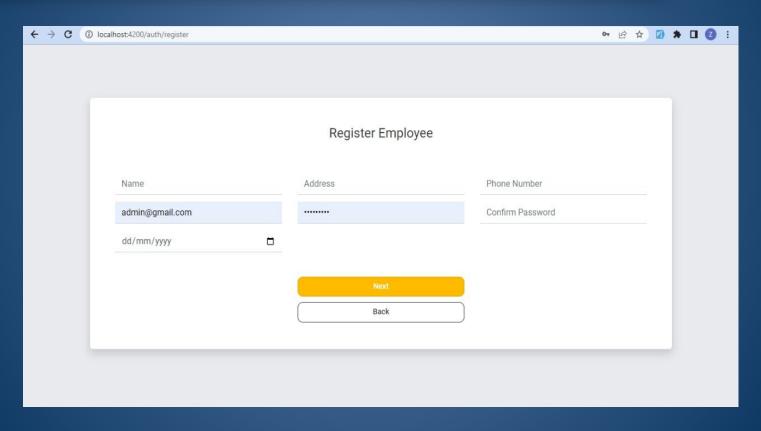
Developed User Interface: Login Screen





Developed User Interface: Register page





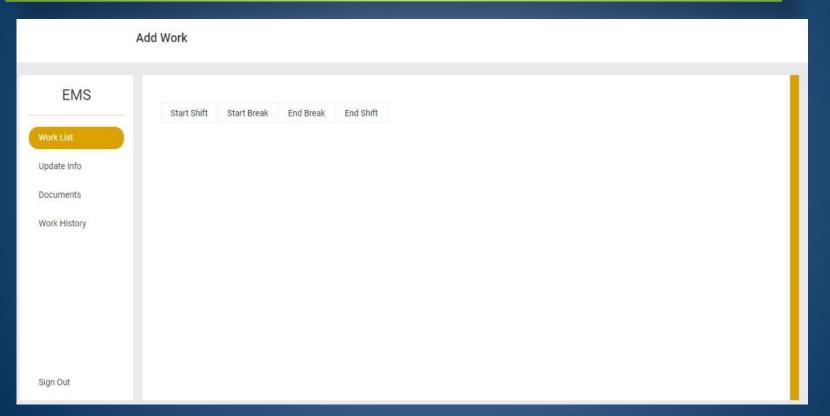




← Back	Add New User	
EMS		Name
Work List		Vamsi
Update Info		Address
		testing address
Documents		Mobile Number
Work History		+12354654654
		Email Address
		vamsi@gmail.com
		DOB
		12/01/2011
Sign Out		Cancel



Log user work:







Work History

FMS

Work List

Update Info

Documents

Work Histo

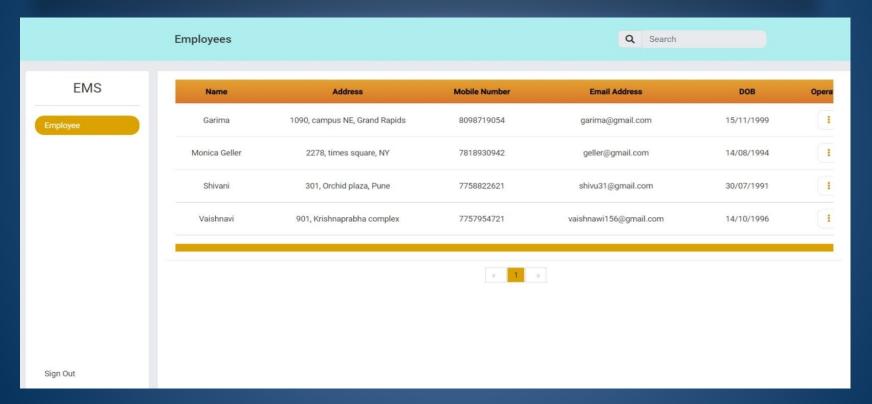
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2	12/12/2022	6:16 PM	6:16 PM	0.00	0.00	0.0
3	13/12/2022	8:56 PM	8:56 PM	0.00	0.20	0.2



Sign Out



HR Interface: Employee List





Demo

Let's check out the demo of our work Employee Management System!



Questions?

Thank you!