flex

name -Bala vignesh S
Flex user ID-cbcbvign
Manager-arun swaminathan

ANGULAR PROJECT REPORT

INTRODUCTION

Employers could gain insight into their employees via an employee management system. which allows them to better plan and manage work hours, lowering labor expenses and increasing productivity.

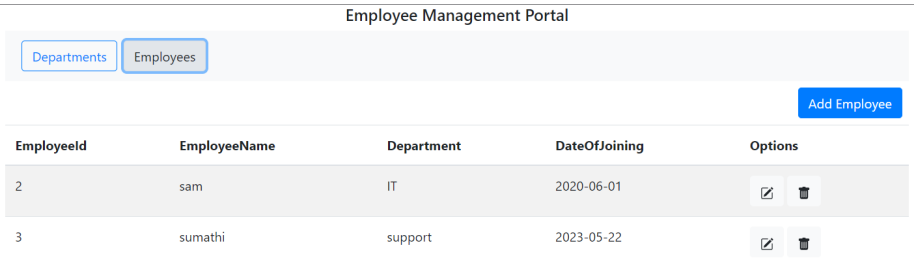
Modules

1. Employee details: this module contains the details of the employee such as
    1. employee id,
    2. employee name,
    3. date of joining
    4. current department

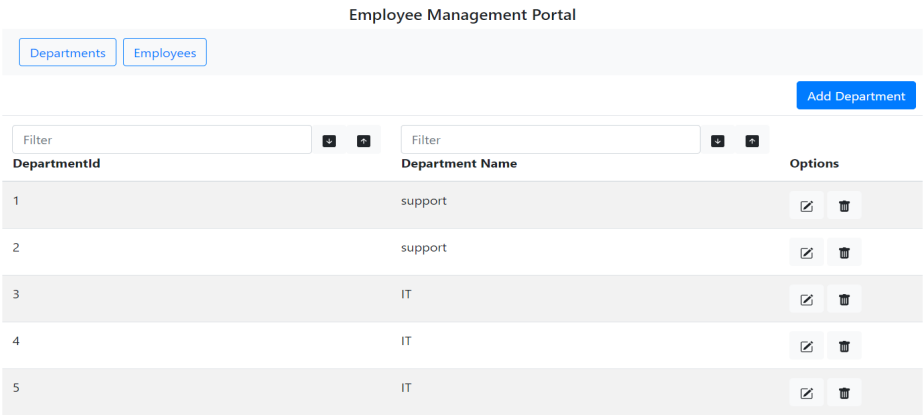
2. department details:this module contains all the details of the department Such as
    1. department id
    2. department name

Images for reference

Employee details



Department details



Languages used

1.HTML
2.CSS
3.Typescript
4.c#

framework used

Angular is a UI component library that provides pre-built UI components and styles for Angular applications. It offers a set of reusable components such as forms, buttons, tables, and modals, which can be easily integrated into the application.

IDE and code editor used

1.visual studio code
2.visual studio

Purpose of employee management system

Employee Management System Project is essential software designed to keep track of employee information in anyIt stores data such as their employees' personal information.the goal of the "Employee Management System" is to create a work center scheduling system. Scheduling is a technology that makes the process of informing activities and notifications in the company where it is implemented simply and even online.

Features of employee management

Features of Employee Management System offers the following:

1.create

This feature allows the user to add new employee details in the existing database.

2.delete

This feature allows the user delete employee details Which is already existing in the database.

3.update

This feature allows the user to modify or update employee Details which is present in the database

.

4.search

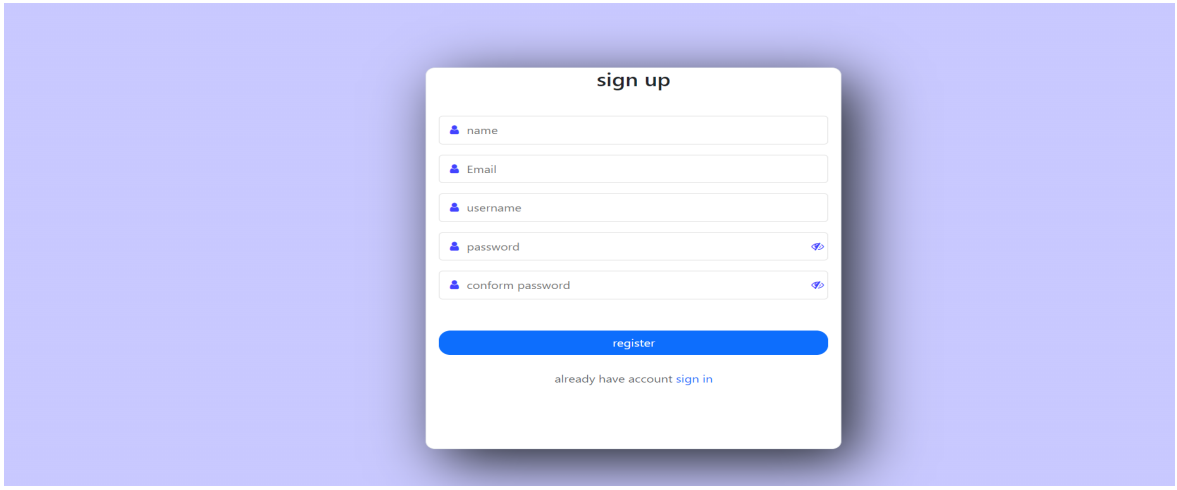
The user can use the search option to view the specific details of an employee.

User login and signup

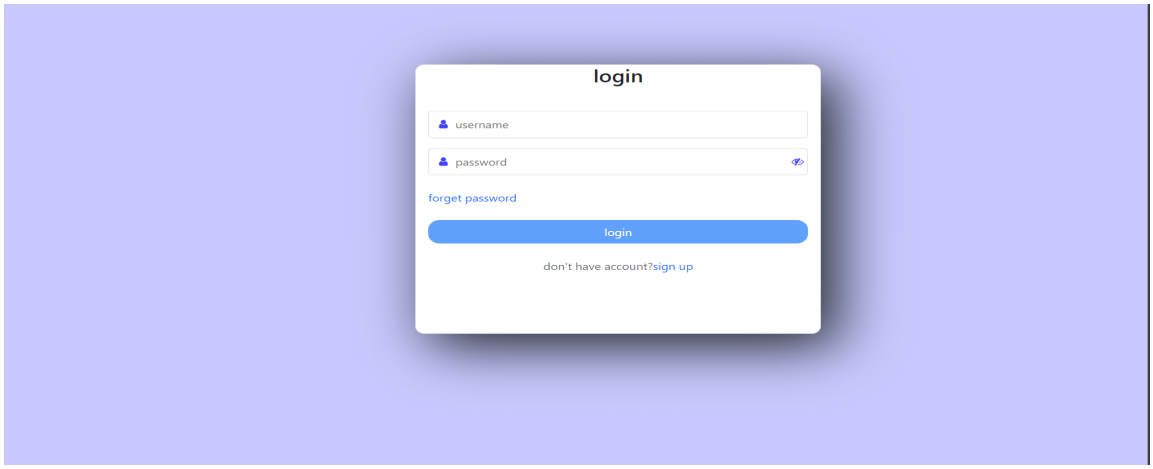
The user signup page allows the user to register by filling in the details of the employee.After the registration process is successfully completed the user is directed to the user login page where he fills the username and password given in the registration process.

Images for reference

Sign up



Sign in



User Authentication:

The system includes user authentication to ensure data security and restrict access to invalid users. Only authorized personnel can perform administrative tasks,

Working of project:

Visual studio code is used to develop UI part of the project HTML,CSS,TS codes are written here.all the services and Components are present here.

T.S-TypeScript is a syntactic superset of JavaScript which adds static typing**.** This basically means that TypeScript adds syntax on top of javaScript**.**

Launch json-A launch.json file is used to configure the debugger in Visual Studio Code. Visual Studio Code generates a launch.json (under a .vscode folder in your project) with almost all of the required information

Shared services-An Angular shared service is a powerful tool to allow cross component communication

HTML and CSS- HTML and CSS are used to develop the web page and to add design.

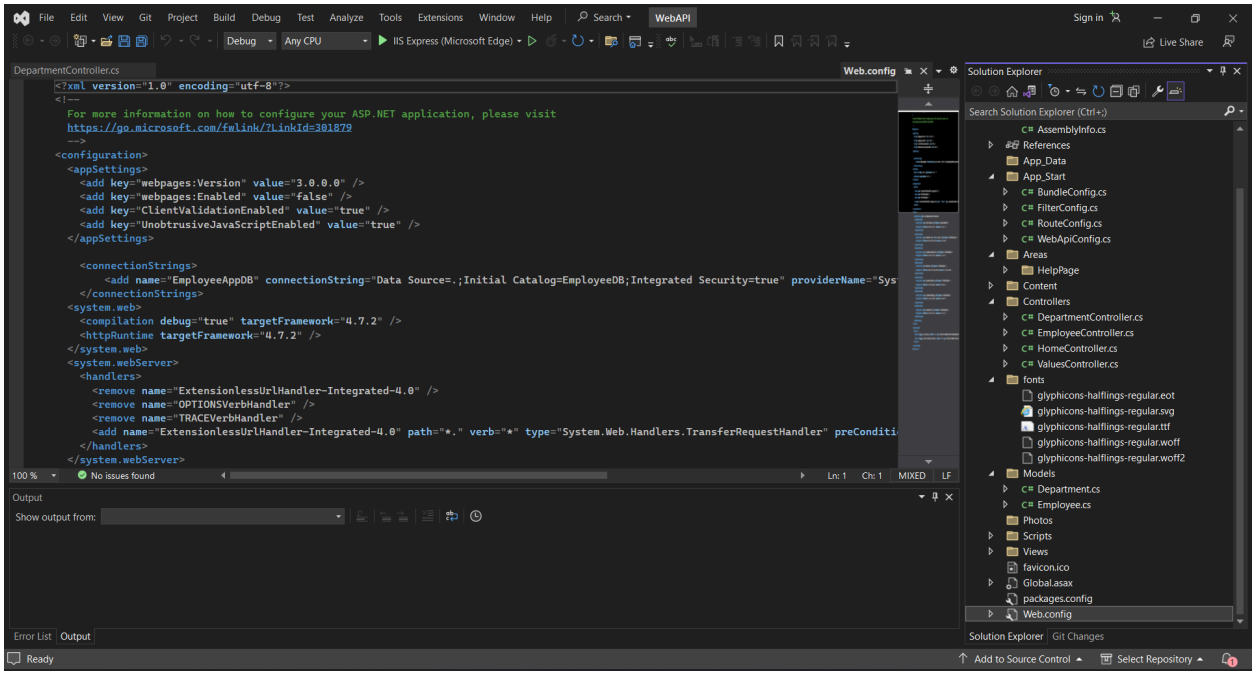
Visual studio acts as an API part of the project which help to connect the project with the database so as to perform the CRUD function.c# and sql commands are present here for the process.

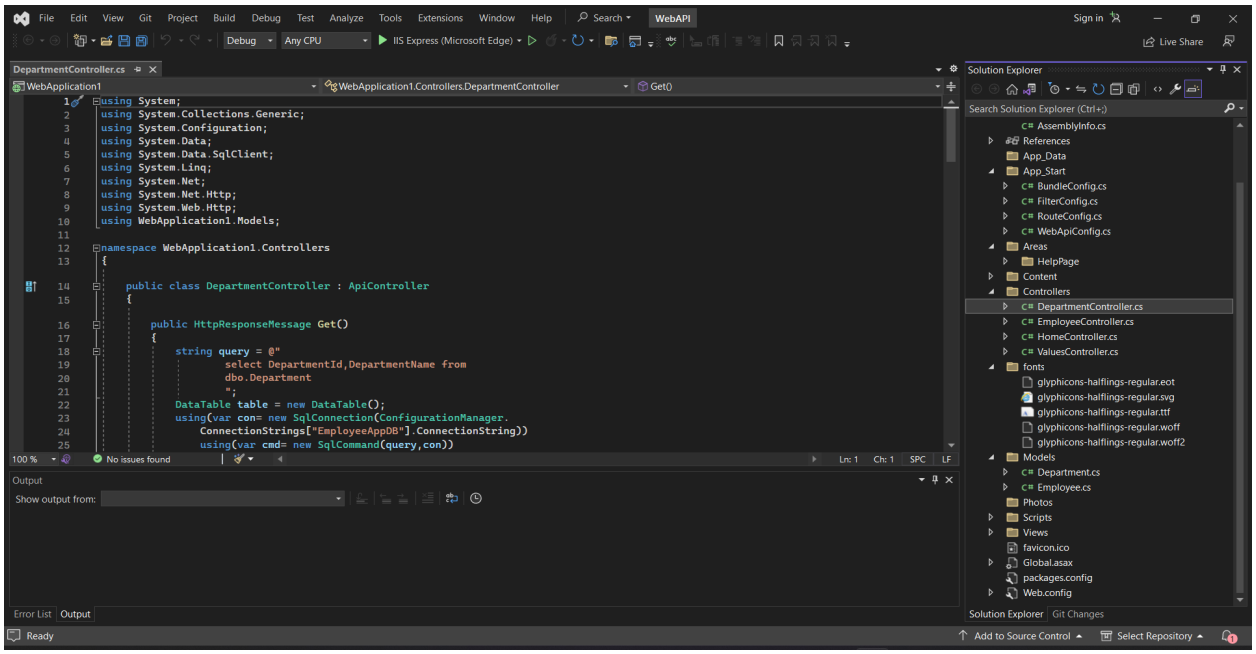
controllers-Controller class contains public methods called Action methods. Controller and its action method handles incoming browser requests, retrieves necessary model data and returns appropriate responses.

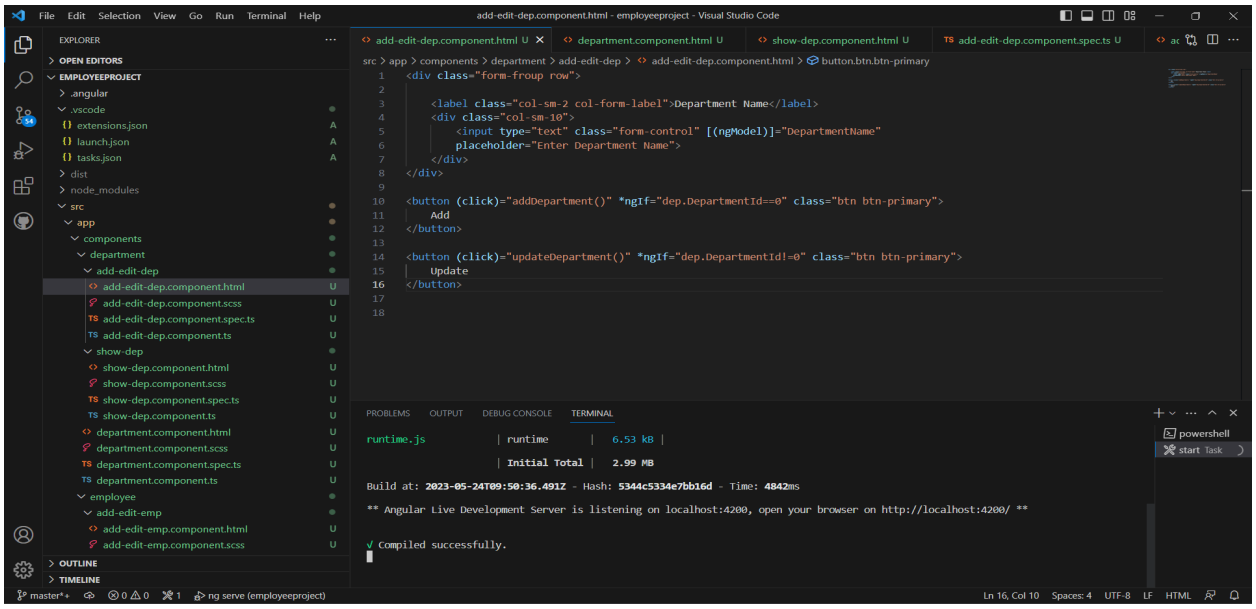
Models - A model can help you visualize the world in which your system works, clarify users' needs, define the architecture of your system, analyze the code, and ensure that your code meets the requirements.

Webconfiguration-The web.config file is required at the root of the app to enable the publishing of multiple apps using WebDeploy.

Images for reference




File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
WebAPI
Debug
Any CPU
IIS Express (Microsoft Edge)
DepartmentController.cs
WebApplication1
WebApplication1.Controllers.DepartmentController
Get()
using System;
using System.Collections.Generic;
using System.Configuration;
using System.Data;
using System.Data.SqlClient;
using System.Linq;
using System.Net;
using System.Net.Http;
using System.Web.Http;
using WebApplication1.Models;
namespace WebApplication1.Controllers
{
public class DepartmentController : ApiController
{
public HttpResponseMessage Get()
{
string query = @"
select DepartmentId,DepartmentName from
dbo.Department
";
DataTable table = new DataTable();
using(var con= new SqlConnection(ConfigurationManager.
ConnectionStrings["EmployeeAppDB"].ConnectionString))
using(var cmd= new SqlCommand(query,con))
No issues found
Ln: 1 Ch: 1 SPC LF
Output
Show output from:
Error List Output
Solution Explorer
Search Solution Explorer (Ctrl+;)
AssemblyInfo.cs
References
App_Data
App_Start
BundleConfig.cs
FilterConfig.cs
RouteConfig.cs
WebApiConfig.cs
Areas
HelpPage
Content
Controllers
DepartmentController.cs
EmployeeController.cs
HomeController.cs
ValuesController.cs
fonts
glyphicons-halflings-regular.eot
glyphicons-halflings-regular.svg
glyphicons-halflings-regular.ttf
glyphicons-halflings-regular.woff
glyphicons-halflings-regular.woff2
Models
Department.cs
Employee.cs
Photos
Scripts
Views
favicon.ico
Global.asax
packages.config
Web.config
Solution Explorer Git Changes
Ready
Add to Source Control
Select Repository

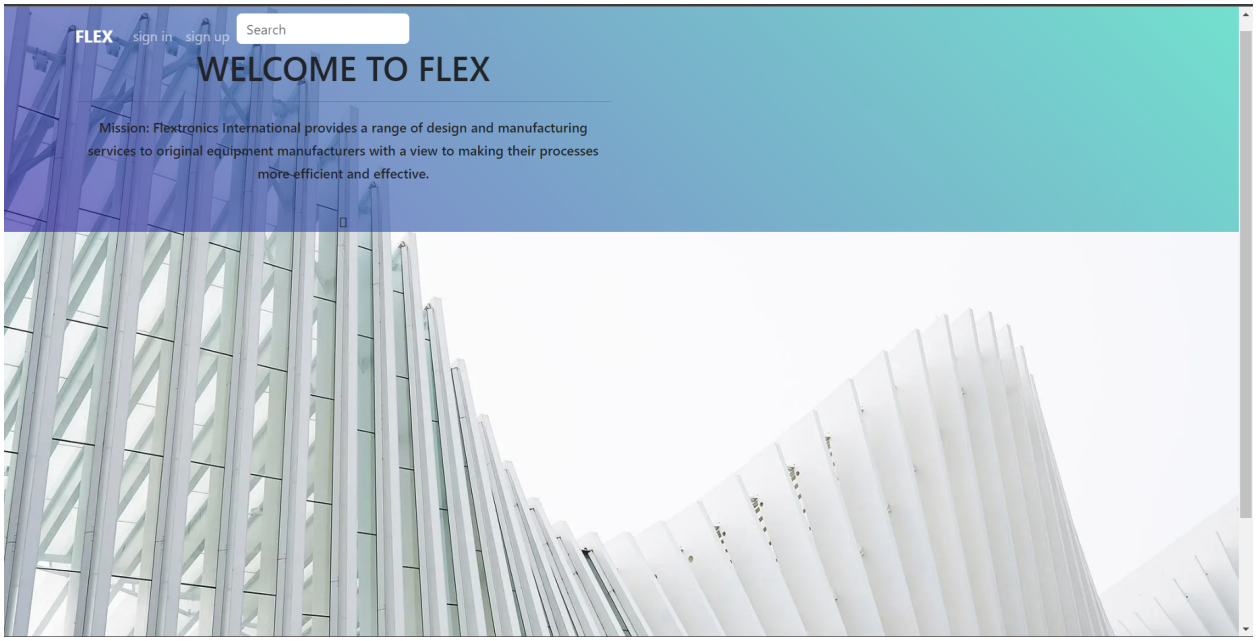

File Edit Selection View Go Run Terminal Help
add-edit-dep.component.html - employeeproject - Visual Studio Code
EXPLORER
OPEN EDITORS
EMPLOYEEPROJECT
.angular
.vscode
extensions.json
launch.json
tasks.json
dist
node_modules
src
app
components
department
add-edit-dep
add-edit-dep.component.html
add-edit-dep.component.scss
add-edit-dep.component.spec.ts
add-edit-dep.component.ts
show-dep
show-dep.component.html
show-dep.component.scss
show-dep.component.spec.ts
show-dep.component.ts
department.component.html
department.component.scss
department.component.spec.ts
department.component.ts
employee
add-edit-emp
add-edit-emp.component.html
add-edit-emp.component.scss
OUTLINE
TIMELINE
add-edit-dep.component.html U
department.component.html U
show-dep.component.html U
add-edit-dep.component.spec.ts U
src > app > components > department > add-edit-dep > add-edit-dep.component.html > button.btn.btn-primary

<label class="col-sm-2 col-form-label">Department Name</label>

<input type="text" class="form-control" [(ngModel)]="DepartmentName"
placeholder="Enter Department Name">

<button (click)="addDepartment()" *ngIf="dep.DepartmentId==0" class="btn btn-primary">
Add
</button>
<button (click)="updateDepartment()" *ngIf="dep.DepartmentId!=0" class="btn btn-primary">
Update
</button>
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
runtime.js | runtime | 6.53 kB |
| Initial Total | 2.99 MB
Build at: 2023-05-24T09:50:36.491Z - Hash: 5344c5334e7bb16d - Time: 4842ms
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
√ Compiled successfully.
powershell
start Task
master*+
ng serve (employeeproject)
Ln 16, Col 10 Spaces: 4 UTF-8 LF HTML

Home page



Conclusion

The Employee Management System is a user-friendly application and easy to use. Also, it maintains all of the details of the employees and helps in improving the entire business performance.