AS Capstone Project Technical Design
Winter 2021
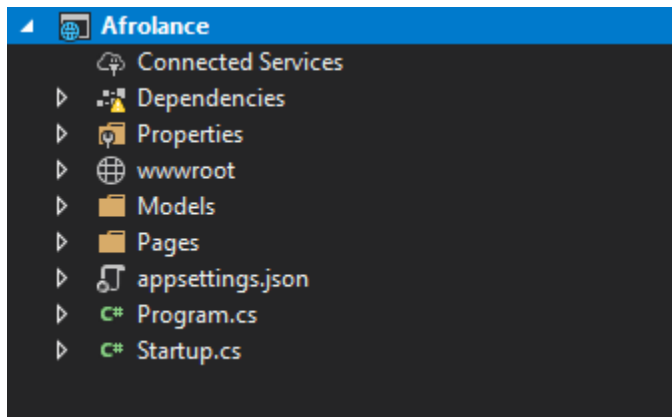
Project Name: Afrolance

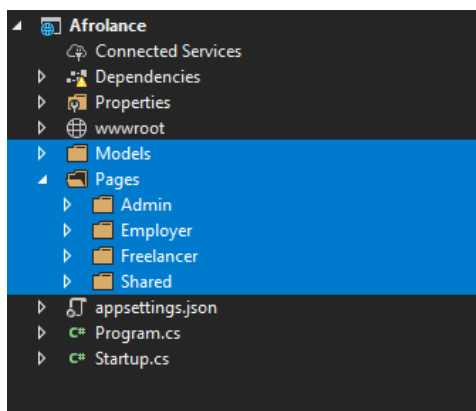**Student Name:** Walid Amar

January 26, 2021

Solution

I am coding my website in ASP.NET using Microsoft Visual Studio 2019.

Here is the solution of this project but I will only be working on the highlighted part of the solution.

Models

In this folder will be located the class (.cs) files that will contain the functionalities regarding the user's information and databases:

- **FreelancerLogin.cs**
- **FreelancerSignUp.cs**
- **FreelancerDataAccessLayer.cs**
- **AdminLogin.cs**
- **AdminDataAccessLayer.cs**
- **EmployerSignUp.cs**
- **EmployerLogin.cs**
- **EmployerDataAccessLayer.cs**
- **ValidationLib.cs**

Pages

In this folder will be located the pages of the website and each user's accessible page on .cshtml files and their functions on .chtml.cs files under these files.

- **Admin:**
    - DeleteProfile.cshtml
    - DeleteJob.cshtml
- **Employer:**
    - AddJob.cshtml
- **Freelancer:**
    - EditProfile.cshtml
    - ProfilePage.cshtml
- **Shared:**
    - Layout.cshtml
- **Home.cshtml**
- **SignUpControlPanel.cshtml**
- **SignUpAdmin.cshtml**
- **SignUpFreelancer.cshtml**
- **SignUpEmployer.cshtml**
- **LoginControlPanel.cshtml**
- **LoginAdmin.cshtml**
- **LoginFreelancer.cshtml**
- **LoginEmployer.cshtml**
- **AboutUs.cshtml**
- **JobList.cshtml**

Variables

The variables I'll be using are divided in four parts, the first three parts are for each user (Admin, Freelancer, and Employer) and the last part is the one for variables related to job offers.

- **Admin:**
    - Admin_Email
    - Admin_PW (User's Password)
- **Employer:**
    - Company_Name
    - Employer_Email (Will be used as username either to login)
    - Employer_PW (User's Password)
    -
- **Freelancer:**
    - First_Name
    - Middle_Name
    - Last_Name
    - Age
    - Country
    - City
    - State
    - Phone (Phone number)
    - HS_Graduated (Gratuated High School)
    - Uni_Graduated (Gratuated University/College)
    - Certifications (Certifications, diplomas, spoken languages)
    - Experiences (Internships, travels …)
    - Bio (User's piece of writing on his profile page)
    - Freelancer_Email (Will be used as username either to login)
    - Freelancer_PW (User's Password)
    - Verified (False Set to True after the freelancer got his first review)
    - Rating (Average employers ratings 1 to 5)
    - Reviews (Employers reviews)
- **Job:**
    - Job_ID
    - Job_Title
    - Job_Desc
    - Category (categories of work or field of work TBD)
    - Start_Date (Job's starting Date)
    - End_Date (Job's ending Date)
    - Employer_Notes (In case the employer wants to add something to the job announce) [Not Required]
    - Pay (Job Pay)
    - Active (True if the job announce still active False if announcement closed)