

AS Capstone Project Proposal

Winter 2021

Project Name: Afrolance

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Project Description

I am proposing a dynamic web site for job searching and recruiting. It will be a tool for freelancers to post their skills and certifications publicly so they get a chance to be hired by a company for a small job and also a tool for employers and companies to post a job offer where the job-seekers will apply. In the home page, there will be a sign up and a log in button. Pressing the sign up button will lead to the sign up page where you can sign up as a freelancer or an employer so that will lead to three type of users ; the employers who can post a job posting, access the profile page of the freelancers who apply for the job and write a review, giving a review, the freelancers who can post and edit their information (email address, phone number, certifications, previous experiences, diplomas ...) on their profile page and apply for a job and the moderators who can read and delete anything posted by the users. Giving the freelancer a review will make the user profile as active to help future employers on their choices and the active freelancers to be more trustworthy. The freelancers profile pages will only be shown to the employers to who they applied their job for and it will show the freelancer personal information to contact them. The job offers will be specified by type and field of work and salary to help the job-seekers on their research.

Many people, especially students, have different skills and certifications but they don't know how to use them, this website will give them a chance to make some money by doing small jobs and acquiring more experience to maybe apply to work for a company in the future, it is a good start to integrate the professional world. It is also good for employers, especially startups, individuals and small businesses to have a work that doesn't require a whole project and team for it like a logo for example, without paying a lot of money and it will also help them to find future elements for their company.

Functionality

- Secure login for both users and administrators
- Sign up page
- Log when each user logs on. Log both successful and unsuccessful login attempts
- Home page after the log in to display the job offers
- Page to post a job offer for the employers
- Moderators can:
 - Add/Edit/Delete/Search users
 - Add/Edit/Delete/Search job offers
 - Edit/Delete freelancers profile pages and information (including the reviews)
- Freelancers can:
 - Apply for a job offer
 - Add/Delete/Update personal information in the profile page except for the reviews.
- Employers can:
 - Add/Delete/Update a job offer.
 - Access the list of the freelancers who applied for the job offer.
 - Access the profile page of the freelancers.
 - Add/Delete/Update a review.

Development Platform

It will be a web-based app, the site will be coded in Asp.net with Microsoft SQL Server as the DBMS. I'm pretty familiar with the Asp.net coding and especially the C# coding since I've been doing that for two quarters of my associate degree, it gives very good performance with fast executions which will be good for the user, it is secured since nobody can access the local resources and it is also easier to build large applications and I think I'll have a lot of coding to do. The site will first be hosted on heroku.com and git and once everything is complete and functional I will use hostinger.com to host my website by the domain name of afrolance.com.