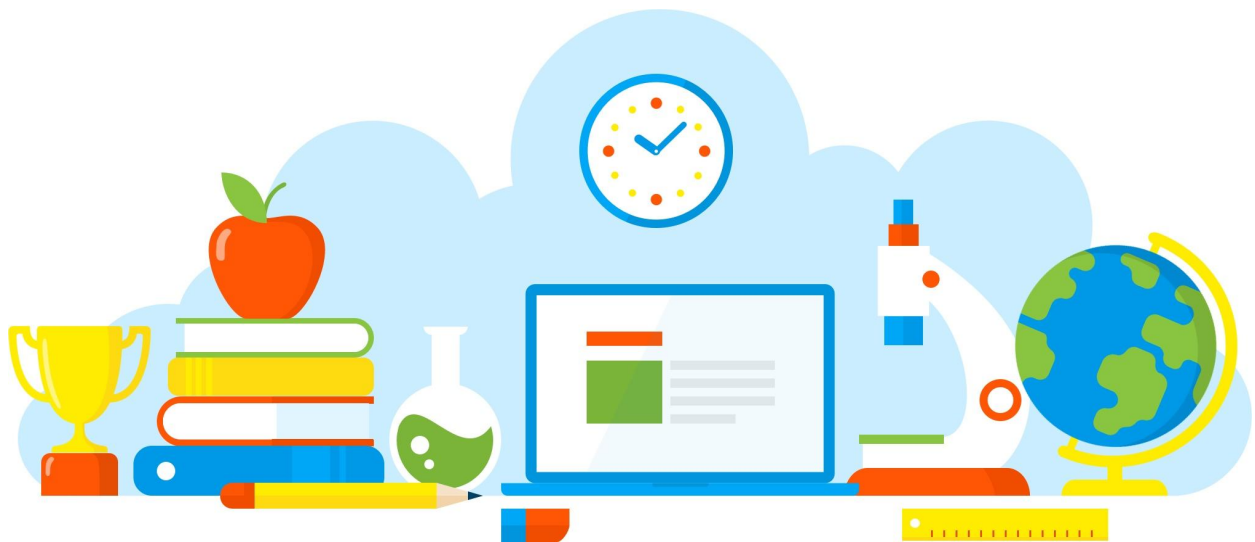


SHADHIN

(A Freelancing Job Portal)



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Introduction:

In our country, there are lots of people who are seeking a job or sitting home without any work. Maybe, finding a long-run job is rare and tough enough in This covid situation. But there is also some limited time work or project-based Work available. And a person or organization seeking an employee for that. But we don't have any online platform for that type of system. We live in a modern technology-based world. And there are many platforms for many things, but a local freelancing website is a much-needed demand Right now.

Motivation:

Sometimes in our life, we need jobs for money or experience. We want to do jobs in more than one company to gather experience or money. On the other hand, companies need people for their minor works. So we need a connection between job seekers and job givers. For solving this problem, our website will be very helpful.

Objective:

The main objective of the project is to change the manual way of operation of the Job application to an automatic system. Also, this system will be a breakthrough For the freelancing job market in Bangladesh.

Critical Challenges:

After working and analyzing it, we realized that we are going to face a lot of challenges.

Those critical challenges can be:

Identity & Job Verification: We have to be sure who is providing a job and the Job is not illegal and not fake. Also, Two-step verification is much needed.

Payment Security: We have to be careful about the payment gateway. Because Everything is based on the internet.

Database Management: There will be a lot of data, so we have to create a strong Database system for security and service.

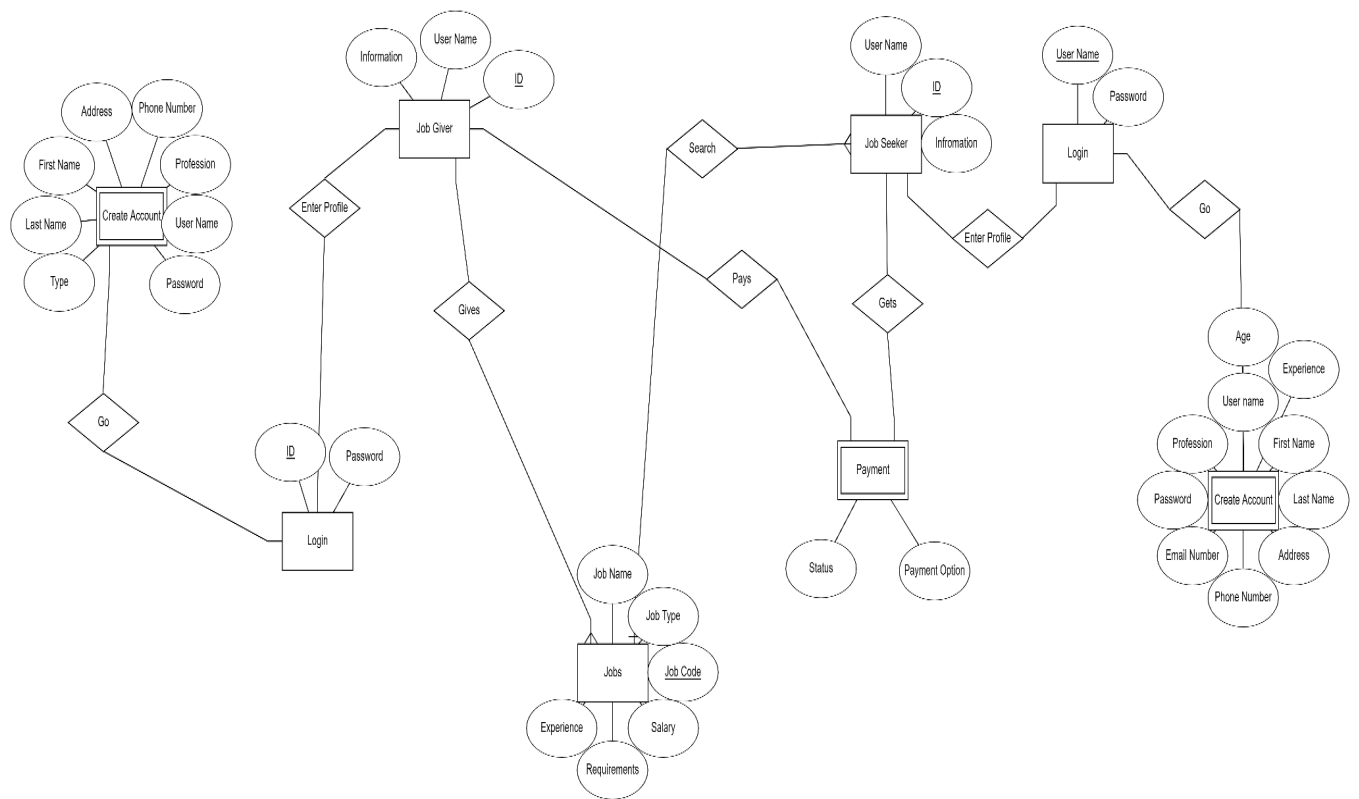
Conflicting Requirements:

To avoid fake jobs, there are some authentic processes that a job giver has to Maintain. If a job giver fails to go through the processes, even if the job is Authentic, he/she can't submit jobs.

Entity-Relationship Diagram:

An entity-relationship diagram (ERD) shows the relationships of entity sets stored in a database. An entity in this context is an object, a component of data. An entity set is a collection of similar entities. These entities can have attributes that define their Properties. By defining the entities, their attributes, and showing the relationships between them, an ER diagram illustrates the logical structure of databases.

The ERD of our project is given down below:



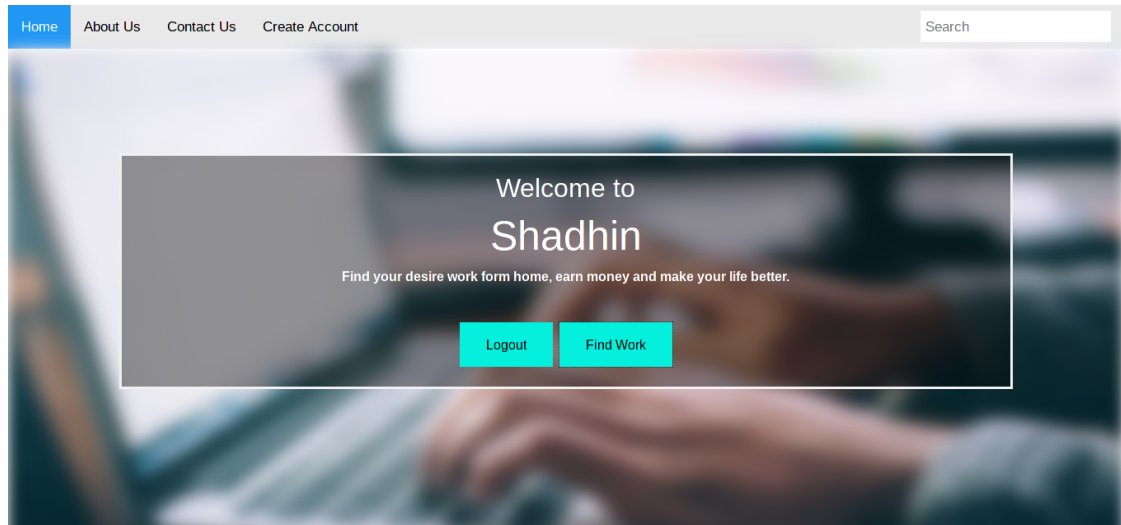
[ERD PNG File](#)

Tools Used:

- ☐ Pycharm
- ☐ Python
- ☐ Django
- ☐ SQLite
- ☐ HTML, CSS

User manual:

This is our **homepage**.



In order to give jobs or find jobs, people must have to **create an account**.

Welcome, Please Create an User Account.

Username*

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

First name*

Last name*

Email*

Password*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

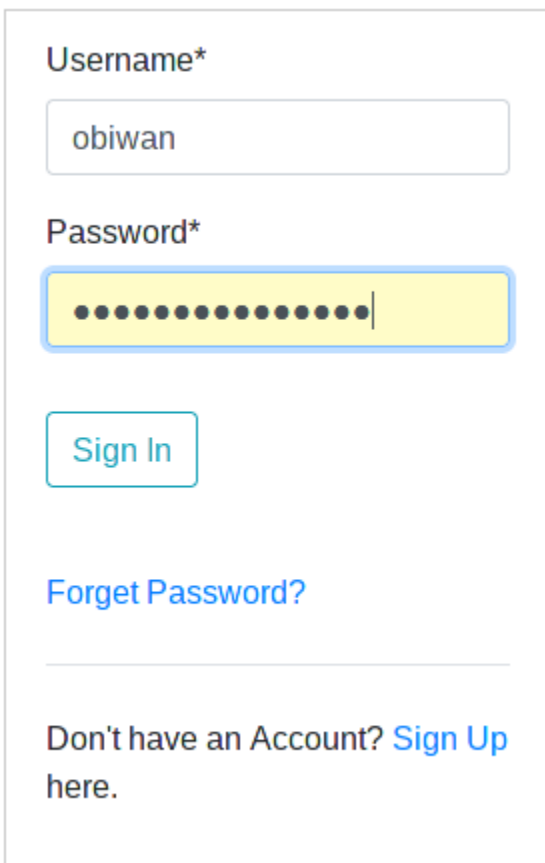
Password confirmation*

Enter the same password as before, for verification.

[Sign Up](#)

Already have an account? [Sign In](#) here.

When you have an account, you can **sign in** with your username and password



A sign-in form with a light gray border. It contains a 'Username*' label, a text input field with 'obiwan', a 'Password*' label, a password input field with 12 dots, a 'Sign In' button, a 'Forgot Password?' link, and a 'Don't have an Account? Sign Up here.' link.

Username*

obiwan

Password*

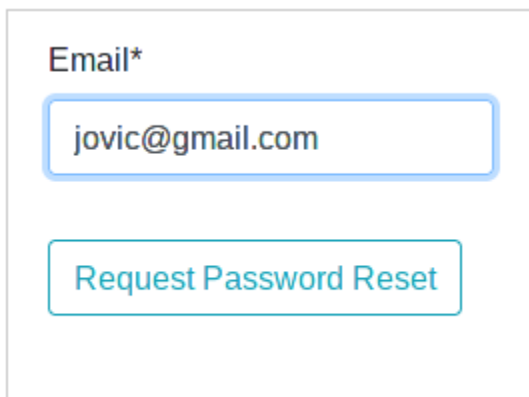
●●●●●●●●●●●●

Sign In

[Forgot Password?](#)

Don't have an Account? [Sign Up](#) here.

If You forget your password, you can change it by clicking **Forgot Password**.



A forgot password form with a light gray border. It contains an 'Email*' label, a text input field with 'jovic@gmail.com', and a 'Request Password Reset' button.

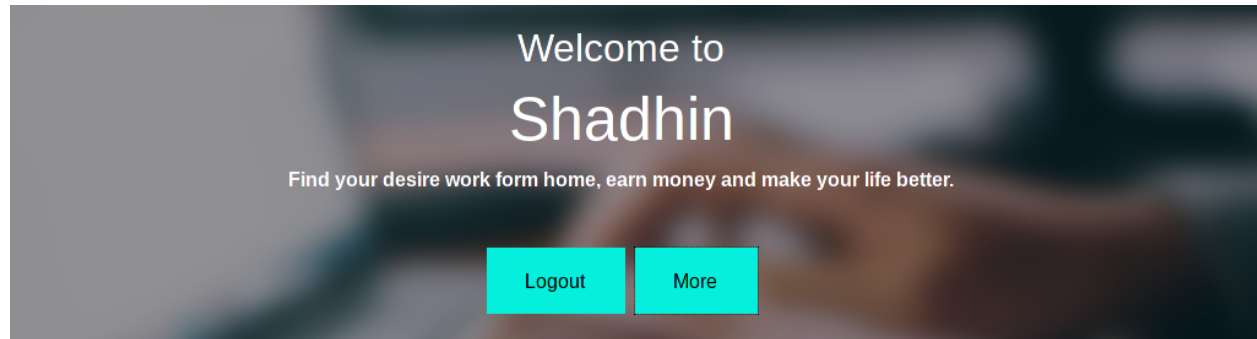
Email*

jovic@gmail.com

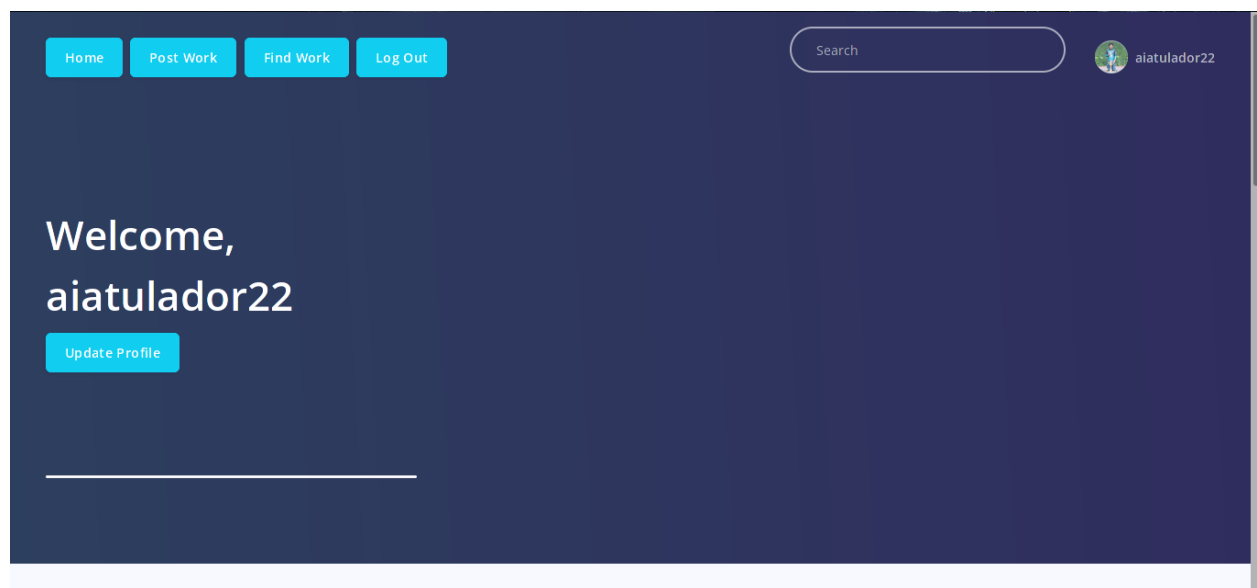
Request Password Reset

Write your mail and **Request Password Reset**.

To find jobs, update profile, post work you have to go **MORE** section.



You can update your profile from here. Also You can post work also find work.



This is post work form.

Please Fill-up this form for submit your work.

Company name*

Title*

Work type*

Description*

Requirements*

Experience

Salary*

Location

Vacancy

User*

Save

Conclusion:

We will create a user-friendly website, where anyone can post a work announcement or can find an employee for his urgent work. On the other hand, this platform can help University students earn their own pocket money. Another big advantage is that For the people who already have stable jobs If they have some extra set of skills and if they are good in a particular field they can very easily look for a part-time job on our platform. It will decrease the number of unemployed people and increase earning growth. To sum up, we can say that this website is well organized and functional for our society.

Our website SHADHIN is still in the beginning face. In the future, We will complete our project as we promised.

CEP Mapping:

Knowledge Profile

K	Knowledge Profile
K1	Natural Science
K2	Mathematics
K3	Engineering Fundamentals
K4	Specialist Knowledge
K5	Engineering Design
K6	Engineering Practice
K7	Comprehension
K8	Research Literature

Ps are Addressed through the project and mapping among Ps, COs, and POs

Ps	Attribute	How Ps are addressed through the CO project	CO	PO
P1	Depth of Knowledge Required	<p>The project requires rigorous study of all the existing Job Platform also Feasibility Research (K8-Research Literature).</p> <p>Surveys about Jobs, Job Providers, Job seeker (K3-Engineering Fundamentals, K4-Specialist Knowledge), System Analysis, Back-end, Front-end, and Database design(K5-Engineering Design, K6-Engineering Practices).</p>	C01 C03 C05 C07 C010	P01 P02 P03 P05 P09 P010
P3	Depth of Analysis Required	Depth of analysis of requirements about all Job, Job Provider, and Job Seeker needed to ensure user satisfaction.	C02 C04 C05	P02 P09 P010 P012
P4	Familiarity of Issues	This project solves an engineering problem that is deeply associated with The business economic industry.	C06 C09	P06 P07
P6	Extend to stakeholders	<p>Diverse groups:</p> <ol style="list-style-type: none"> 1. Job Seeker 2. Job Provider <p>Monitoring authorities need to have access to monitor if any unfair means Of conduct and take necessary actions.</p>	C06	P08 P011
P7	Interdependence	Our project involves interdependent Components such as feasibility analysis, requirement analysis, designing both back-end and front-end, database design, various interfaces, etc.	C08 C09	P012

Addressing Complex Activities (A,s) through the project:

AS	Attribute	How A's are addressed through the project
A1	Level of Interaction	Interaction between developers amongst themselves takes place as well as between developers and senior Python or Django Framework developers.
A3	Innovation	The website needs to be updated with innovative and creative ideas to meet the feedback from every Type of user.
A5	Familiarity	The project deals with a web engine based on a Python framework for students.