

Software Design Specification

of the project WORKERS ALLOCATION

INTRODUCTION

The labour force is an essential aspect of any society as it fuels the growth and development of industries and the economy at large. However, many skilled workers often face unemployment due to the lack of proper channels to market their skills to potential employers. Additionally, customers seeking the services of skilled workers often struggle to find reliable workers who possess the necessary skills, experience, and work ethic.

To address this problem, a system is proposed that connects customers with skilled workers and provides them with the necessary tools and transportation services. The system aims to provide a comprehensive solution for both workers and customers, offering a platform for workers to register their services and for customers to browse and select workers based on their needs.

By utilizing Python, the proposed system will provide a user-friendly interface that allows workers to input their details such as name, age, profession, salary, working time, etc. and for customers to search for workers based on their skillset, availability, and feedback from previous customers. Furthermore, the system will provide tools and transportation services, ensuring that workers have the necessary equipment and means of transportation to carry out their work effectively. rental shops to virtually create their shop and provide details about their available products, while vehicle owners can create a profile with their details. Users can access required tools from rental shops and transport facilities provided by the vehicle as per their needs. The purpose of this website is to make it easier for local workers to build their skills, expand their network, and advance their careers. This system is beneficial for both customers and workers as it provides transparency, convenience, and accessibility. The website is developed using Python, making it user-friendly and easy to use.

PURPOSE

The purpose of the project appears to be to address the issue of unemployment among skilled workers who may not have access to job opportunities due to a lack of proper contact with potential employers. The project aims to create a platform that connects skilled workers with potential employers, thus providing them with job opportunities and improving their economic situation.

SCOPE

The scope of the project appears to be the development of a platform that connects skilled workers with potential employers, while also providing services like tool rentals and transportation.

OVERVIEW

The main aim and objective of the project is do focus on working opportunity of local workers and common people needs like availability of plumbers, electrician, painters, etc. This project also providing renting tools for both user and worker in order to complete their needs or work and deals work based transportation

Functional Requirements

1. ADMIN:

The admin can log in to the website using a unique username and a password. Admin can verify the worker, rental shop, vehicle, and view user. Admin can view complaint (from worker ,user, vehicle and rental shop) and post reply.

2.USER

Users need to register one time with their username and details, and they can login with the username and password. User able to search nearby worker according to their location. If the worker is available then user can send request to work and he/she can view the status of request. Similarly, user can view rental shop and their product and send request to the product and view their status. User can send complaints to admin and view reply. User can send rating to worker, vehicle, and rental shop.

3.RENTAL SHOP:

The Rental shop could register itself with the available columns then it can login with the username and password. It has right to add and manage products in the shop. Shop can able to view products request from the users, workers and it can be accepted or rejected by the shop based on product availability. Shop can view the accepted request only from the entire request they received. Rental shop can send complaints to admin and view reply.

4.WOKER:

Worker needs to register one time with their username and details, and they can login with the username and password. Worker able to view their profile and update as per their needs. Worker can add and manage their work. Worker can able to view work request from user, it may be or may not be accepted by the worker .Worker can also view rental shop and their

product and send product request and view their status .Worker can book the vehicle .Worker can send complaint to admin and view reply and also worker can send rating to the rental shop .

5.VEHICLE:

Vehicle needs to register one time with their username and details, and they can login with the username and password. Vehicle can view their profile and update as per their needs. Vehicle can view the vehicle booking from the user and worker and it can able to send complaints to admin and view reply.

CONSTRAINTS

- The system development will use Django framework and Python programming language.
- The system will require a compatible relational DataBase Management system

