

Title of Project: Job Recruitment Portal

Group Number: 01

Group Members:

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Requirement Analysis

5.1. Functional Requirements:

5.1.1. Account Management:

- System will allow individuals to register as employees or students or organizations to create an account.
- Users can log in with their mail addresses and passwords.
- The system will send verification/confirmation code to registered phone-number or email after every login.
- System will record the user's data.
- Users are never allowed to update certain informations
- Users will be able to get premium service based on subscription.
- Accounts can be banned after violating terms and conditions depending on the policy.

5.1.2. Employer Account:

- Employers can create their “Organizational” profile.
- Employers can post job offers by clicking the “Job Post” option.
- Employers need to update job availability for their posted position regularly.
- Employers can take video interviews within the system.
- Employers can communicate/chat with an employee within the system.
- Employers can give commendations to the candidate, depending on the interview.

5.1.3. Applicant Account:

- Applicants can create their profiles.
- Applicants can add their preferred skillsets.
- Applicants can search for jobs.
- Applicants can apply for different jobs such as- freelance, part-time jobs, full time jobs and internships.
- Applicants can sit for online interviews.
- Applicants can communicate/chat with other users within the system.
- Applicants can utilize their commendations given by organizations in another interview.

5.1.4. System:

- Comprehensive and up-to-date information on job requirements.
- Internships, Part-time job posts, full-time job posts and freelance Job offers.
- Integrated chat and video conference service.
- Premium features containing job alerts, interview scheduling, CV formats and customizable job application forms for employers.
- The system will have a section for users to submit any kind of feedback, inquiries or complaints.
- Previous interview information will also be available in the system.

5.1.5. Job Post:

- Must contain the type of the job (full-time/ part-time/ freelance).
- Have to include necessary skillsets and minimum educational qualification.
- Have to include working hours, salary range,necessary contacts for applicants.

5.2. Non-Functional Requirements:

5.2.1. Operational:

- Each registered user and job post will have a distinctive ID.
- System will be able to run on any device like desktops, laptops, mobile phones, tablets, etc.
- System will be able to run in any operating system like windows, android, ios, etc.
- System will be accessible through any web browser such as Firefox, Chrome, Edge, etc.
- System will be capable of connecting with the printers.(wireless/ wired)
- The system must ensure easy accessibility of products, customer care and service with efficiency and reliability.
- The system will have a light and dark theme.

5.2.2. Performance:

- Users will be able to load the system within 1 milliseconds.
- System will update info every 10 seconds.
- In the case of scrolling through the menu, there will be a delay of no more than 1 second before the next page of the portal is displayed.
- System features compressed yet hard to distinguish, quality property photos and pdfs to ensure faster load time irrespective of access devices.
- The website will be capable enough to handle 2000 users at a time.
- Minimum ram requirement for the system should be 1 GB.

5.2.3. Security:

- User verification based on NID/ Passport/ Bank account/ Student ID.
- System will not allow one user to create a double account.
- Two step verification for every login attempt.
- Data integrity should be maintained if an error occurs or the whole system comes down.
- Transaction of money must be carried out by the affiliated partner banks or mobile banking services such as : Paypal, bKash, Nagad, Rocket, Upay, Sure cash, etc

5.2.4. Cultural & Political:

- Customers can use two currencies: BDT and USD for transactions
- Multiple languages will be supported.
- Customers' personal information is protected in compliance with the Data Protection Act.

5.2.5. Usability:

- New and old feature integration will be a breeze as the backend of the portal will have built-in version control onboard
- The system should maintain a proper user interface. Clicking buttons and navigating to different sites on a mobile phone, for example, should be as apparent and simple as on a desktop or laptop.
- The portal will feature maximum uptime as it will be able to switch in-between multiple servers to avoid the inconvenience of the customers due to server down.
- The user-interface of the software will be easy to use.
- Fonts, size, and going to various links from various devices should all be treated identically.
- Advertisements will be updated and any pending advertisements will be added after every 12 hours.
- The layout should be adaptable and automatically modified when the screen size shrinks.