**Title of the Project: Workers Hiring Platform**

**Group Number: 10**

**Group Members: 03**

| **Student ID** | **Student Name** |
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# 5. Requirement Analysis

**5.1. Functional Requirements:**

**5.1.1. Admin panel:**

* Admin will be able to login their desired page by using their administrative username and password.
* Admin will be able to create, read, update, and delete the database.
* Admin will be able to respond to this system user’s questions and any other necessary by using their hotline number.
* The admin will allow the user to register as a client or create an account as a worker.
* The system will allow the user to login with their phone number and password.
* The system will let both client and technician to buy required equipment and supplies from the inventory managed by the admin.
* The system will allow the admin to publish the workers profile after the verification.
* The system will allow the admin to list all the product they want to sell.
* The system will record all the users and workers data.

**5.1.2. Worker Account:**

* Workers will be allowed to create their profile according to their skill.
* They can select the available slots they want to work.
* Workers can post for the job.
* They will be allowed to post all the necessary documents related to their technical skill to verify their legitimacy.
* They can post photos related to their previous project.
* Workers have the option to modify or update their profile.
* Workers can view the payment they will receive after finishing the assignment.
* While doing a lengthy assignment the technician can update their status of progress.
* The system will allow the technician to buy any equipment or goods from the system inventory.
* Workers should be able to mark the bill as paid.

**5.1.3. User Account:**

* Users can be able to scroll through the categories and select the services he/she wants.
* Users can view their reservations by going to their profile, and they can cancel their reservations at any moment before they are confirmed.
* Users will have access to edit or change their personal information.
* Users will be able to provide feedback and ratings regarding the service of the worker.
* Users can purchase the component or equipment he/she requires.
* Users can view their shopping cart and confirm their purchase.
* Users will receive various options for making payments: cash on delivery, online payment or card payment.

**5.1.4. System:**

* Three separate login sections for three separate user bases - Admin, Users, and Workers.
* Users can login with their username and password.
* The system will be able to verify through OTP (One Time Password).
* The system can be able to assign the worker close to the user’s location.
* System will have different online payment methods such as Bkash, Rocket, Nagad, Credit Cards, Debit Cards as well as Cash on Delivery system.
* Users and workers will be able to communicate with one another through communication methods such as texting or calling.
* System will verify all the accounts and payment procedures before every purchase.
* The system will allow the user to provide feedback and ratings regarding the service of the worker.
* The system will have a section for users to submit any kind of feedback, inquiries or complaints.
* Previous purchase information will also be available in the system.

**5.2. Non-Functional Requirements:**

**5.2.1. Operational**

* The system should be able to run any device like desktops, laptops, mobile phones and tablets.
* The system should be able to associate with printers.
* The system should be able to work from any web browser such as Firefox, Opera, Chrome, Edge etc.
* Each registered user will get a distinctive user ID.
* The system will take less megabytes to access.bThe framework ought to be able to run on any gadget like desktops,laptops,moblie phones, tables

**5.2.2. Performance:**

* System Performance is mainly making the website fast, so that each process can be completed easily in quick time.
* User interface will be very smooth, every button is clickable, pop ups are quick to add.
* Unnecessary advertisements should not pop out in the interface.
* In the System there will be less overall load time.
* The files will be short in size and easy to download in the system.

**5.2.3. Security:**

* User’s and Worker’s personal information should be protected by the System.
* The System should not allow one user to create a double account.
* Workers will not be able to access clients information.
* System should make sure that any third component services are prohibited from the System and enforce strong password requirements for every sign-up.
* Data integrity should be maintained if an error occurs or the whole system comes down.
* The system must be protected from all unauthorized attempts to read or modify its data.
* Two Factor Authentication support for both the phone number and email.
* Should integrate DDoS protection.

**5.2.4. Cultural and Political:**

* The System will abide by the Data protection act.
* There will be both English & Bangla language in the System so that users can use it on the basis of their choice.
* Users can use multiple currencies such as BDT & USD for payment.
* Detailed information about the payment policy should be provided to the customers.

**5.2.5 Maintainability:**

* The system should provide the capability to back up their data.
* The system should be able to keep track of every error as well as keep a record of it.
* The cost of maintaining the system should be low.

**5.2.6. Usability:**

* The user interface of the software will be easy to use.
* Font, layout, etc. will be designed in such a manner that users will be able to access the portal comfortably from all types of devices.
* The layout should be flexible and adjust automatically as the screen size is reduced.