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Software Engineering

CS-304-A

## Assignment 1

In Given scenerio, Answer the following questions.

Write business, user, Functional and non-Functional requirements. from given scenerio

### Business requirements:-

- i) Only registered users shall have access to the search and hiring craftsman.
- ii) System must allow users to view the profiles of registered craftsmans.
- iii) Users should be able to filter craftsman based on their expertise.
- iv) Craftsman shall be able to register themselves on the platform based on their expertise.
- v) Craftsman who receive order through this platform payment must be sent through this platform.
- vi) System shall provide platform for users to search various craftsman based on their need.



## User requirements:-

- (i) Users shall be able to easily search for craftsman based on their requirements.
- (ii) System should provide detailed profiles of craftsman, including skills, experience and contact ~~exp~~ information.
- (iii) Users should have the option to filter and sort Craftsman based on their expertise and years of experience and orders.
- (iv) Platform must require users to register in order to access the search and hiring craftsman.
- (v) Craftsman shall have the ability to create profiles highlighting their expertise and experience.
- (vi) Craftsman should receive order opportunities based on their registered skills.

## Functional requirements:-

- (i) The system shall allow users to search for craftsman based on their needs.
- (ii) Users should be able to filter craftsman based on their skills.
- (iii) Craftsman profiles must include information such as their skills, experience, contact details.
- (iv) Users shall have the option to view detailed profiles of registered craftsman.
- (v) System should provide a rating and review feature for users to provide feedback on hired craftsman.
- (vi) Craftsman must be able to register on the platform by providing their personal and professional information.



(vii) The system shall validate and authenticate user and craftsman registrations.

(viii) Craftsman should receive notification about order opportunities matching their registered expertise.

(ix) Users must be required to register and log in to access the search and hiring craftsman.

(x) The system should allow users to save favourite craftsman profiles for future reference.

(xi) User should have the ability to contact and communicate with craftsman through the platform.

(xii) The system shall provide a messaging feature to facilitate communication between users and craftsman.

(xiii) Craftsman must be able to update their profiles, including their skills and experience.

(xiv) The system should generate invoices for the subsequent payments that craftsman have to make for jobs received.

(xv) Users should be able to take the status of their order request and monitor the progress.

(xvi) The system shall have a notification to alert users about any changes or updates.

(xvii) Craftsman must have the option to accept or reject order requests on the base of their availability and preferences.



(xviii) The platform should allow users to schedule appointments and set specific dates and times for the order.

(xix) User should have the ability to cancel or reschedule order requests with appropriate notifications to the craftsman.

(xx) The system should provide an administrative panel for managing user and craftsman accounts, resolving disputes and handling payments.

### Non-Functional requirements:-

- (i) The System should be available to handle a large number of users and craftsman.
- (ii) The system should have always reliable.
- (iii) The system may provide to engage users and craftsman from whole world.
- (iv) Platform or website should be responsive and provide quick response times to user actions.
- (v) System shall maintain the privacy and security of users and craftsman data.

The End