High Level Design

HobbyConnecting On Demanding Service Provider App

Revision Number: 1.0

Last Date of Revision: 1st August 2022

**HOBBYCONNECTING**On-Demand Service Provider App“A Unique Network With Built-In Hobby’s, Services Near To You”

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**1. Introduction**

1.1. Why this High Level Design Document?

The purpose of this High Level Design (HLD) Document is to add the necessary detail to the current project description to represent a suitable model for coding. This document is also intended to help detect contradictions prior to coding, and can be used as a reference manual for how the modules interact at a high level.

1.2. Scope

The HLD documentation presents the structure of the system, such as the database architecture, application architecture (layers), application flow (Navigation), and technology architecture. The HLD uses non-technical to mildly-technical terms which should be understandable to the administrators of the system.

**2. General Description**

2.1. Product Overview

HobbyConnecting is a platform where people/companies can create profiles based on what they can offer their hobbies as a service. An app connects people with talents to people who want those talents as per their everyday needs. If you are passionate about anything and want to earn extra money, then HobbyConnecting is the best app to get registered and serve your best service to the clients. It gives a global platform where your talent gets the values that it deserves. A service requester will contact you through the profile you made. They will share their project, and you can set a price and get the rated based on your work. The best thing about this app, which is your hobbies helps to earn money. HobbyConnecting has two apps, one for Service seekers, and the second is for service providers**.**

2.2. Technologies used

* Database- MongoDB(NoSQL)
* Backend- Java, Spring Boot, Spring MicroServices
* Frontend UI- React/Angular(HTML, CSS & JS)

2.3. Client Requirements.

A client wanted to make an online platform that connects people who wish to any service to those who have the skills to provide the same service, which is also their hobby. The idea of an application that contains lots of services, or we can say that a one-stop solution for all user needs, the client's primary purpose is to convert the people's hobbies into an earning resource & let peoples earn from their hobbies.

**3. System Design**

3.1. Application Architecture:

Diagram, schematic

Description automatically generated

3.2. Workflow:

Diagram

Description automatically generated

**4. Website Features**

4.1. Service Provider Features:

4.1.1. Authentication Section:

* Users can sign up as a service provider or customer.
* Users will get welcome email by admin.
* After login users will redirected to the homepage.
* Any other can also register as an User.

4.1.2. Add Projects:

* Service providers can add projects, and customers can see every project details from their profile.

4.1.3. Order Process:

* When the service provider accepts the order and starts any service, he/she needs to begin that order. Whenever an order is completed, the service provider needs to tap on the completed order.
* An invoice will be sent to the customer, and the customer needs to pay a written amount after completing an order.
* Customer can delete the order request.

4.1.4. Order Listing (Service Provider and Customers):

* **Current List** - Here users can see assigned, accepted and processing orders.
* **Completed List** - Every completed and cancelled orders will be listed here.

4.1.5. Rating:

* Customers can give ratings to the service provider and service provider to the customer after completing the order

4.2. Service Seeker/ Customer

4.2.1. Authentication Section:

* Users can sign up as a service provider or customer.
* Users will get welcome email by admin.
* After login users will redirected to the homepage.
* Any other can also register as an user.

4.2.2. Place Order:

* View the service provider detail, ratings given by other customers to service provider.
* Users can find a service provider and then place their preferred order.
* The service provider will get a request for the new service.

4.2.3. Payment Process:

* Customers need to add card details so they can quickly pay the invoice amount.
* For the payment process, developers have used Pay tab payment gateways.

4.2.4. Order Listing (Service Provider and Customers):

* Current List - Here users can see assigned, accepted and processing orders.
* Completed List - Every completed and cancelled orders will be listed here.

4.2.5. Rating:

* Customers can give ratings to the service provider and service provider to the customer after completing the order.

**5. Admin Panel Features**

5.1. User/Customer Management:

* View all user list with pagination and searching functionality
* Add, edit and delete users details.
* Active/Inactive and delete users details.
* Export/Download functionality.

5.2. Service Provider Management:

* View all providers list with pagination and searching functionality.
* Add, edit and delete service provider basis on company or normal provider.
* Active/Inactive service providers details.
* Add and edit bank details.
* Export/download functionality.

5.3. Service/Category Management:

* View all category list with pagination and searching functionality
* Add, edit, and delete category and its price details
* Active/Inactive category and its price details

**6. Integrations**

* JWT Security
* Swagger UI
* Eureka Server
* Paytm/Razorpay Payment Integration