Chapter No. 04

Module

This segment shows the integration of the modules with each other to execute the functionalities and workflow of the application. These are the following module wise description.

Signup Module

The account registration process is done through this module, where the users write their credentials required for the registration or use signup with Google feature.

Login Module

The account authentication process is done through this module, where user writes email address and password of already registered account or use login with Google feature.

Forgot Password Module

The forgot password authentication process is done through this module, where user writes email address for automatically authentication to write the new password.

Home Service Module

The complete application is called through this module, where all services according to their categories and recommendations are shown.

Register Service Module

The registration of public and private businesses, marketplaces, institutes and organizations is done through this module, where user writes the details of their service and submit it for further verification.

Update Service Module

The public and private businesses, marketplaces, institutes and organizations details are updating through this module, where user can update the credentials of already registered service.

Delete Service Module

The deletion process of already registered services are done through this module, where users delete their service by long press on their existing service.

Pending or Verified Service Module

The pending or verified services are shown through this module, where users can watch their pending or verified services.

View Service Module

All services portfolios according to their categories are control through this module, where user can view required service portfolio with ease.

Search Service Module

The concatenation of services and complete searching process are down through this module, where user can use category or nearby feature to search the required service.

Recommend Service Module

The recommendation services are control through this module, where recommended services with the use of an algorithm are shown on the home screen.

Chat Bridge Module

The communication between ordinary user and service provider are done and control through this module, which attach with view service module.

Admin Panel Module

The complete application is control through this module, where the owners saw the statistical information of their application as well as delete and verified the services.

Framework

Below was the given framework description that take part in the building of the application.

Flutter

This is an open source framework build by Google for the development of cross platform applications from a single codebase. The front-end and logical operations of the application is developed through this user interface software development kit.

Library

This was the following library description that participate in the workflow of the application.

React JS

This is an open source Javascript library used for constructing interactive interfaces and web applications. In the building of an application this library is used in admin panel, where all statistical information and further controls are given to the owners.

Database

This was the following database used at the back-end of the application, Faisalabad Services Portal (FSP).

Firebase

This is a cloud based realtime no structure query language (NoSQL) database provided by Google, that stored data in Javascript Object Notation (JSON) format and synchronize it between the users realtime. This was used in the application as back-end database.

External Application Programming Interface (EAPI)

This was the following external application programing interface (API) used in the application.

Google Maps API

This embed application programming interface (API) enables to portray and customize interactive maps on the platforms. This was used in the nearby and location feature of the application.

Summary

This chapter explained the modules that integrates with each other to functional the application. Furthermore, it discussed the library, framework, database and external application programming interface (EAPI) that participate in the workflow of the application.