Chapter No. 01

1. **Introduction**

Involvement in mobile technology over multiple decades currently rule on a large market segment of 90.72% world-wide users. Instead of sitting in front of large screens, people know prefer powerful pocket screens that are almost capable of completing the such same tasks even while they walking outside. By considering this great advantage, we developed an android based service application called Faisalabad Services Portal (FSP) targeting Manchester City of Pakistan with a population of almost 3.7 million, through which excellent local service solutions will become possible. By downloading our application, the users will easily find the best solution providers (i.e, from carpenters, plumbers, electritians to doctors) according to their taste and needs by visiting their profiles (which include their personal details and working details, etc) instead of finding physically appropriate people for the task from different locations might be from different marketplaces or from different refrences, which consume much time as well as not any knowing about how well they work? Our application will work as a bridge between different service providers and related clients.

* 1. **Scope of the Project**

Our application covered public to private businesses, marketplaces, institutes and organizations and their working credentials under the domain of Faisalabad City.

* 1. **Problem Statement**

There is not a piece of digitize solution is available in Faisalabad City that covers both public and private businesses, marketplaces, institutes and organizations with their working credentials, that makes a bridge between these sectors and ordinary users.

* 1. **Problem Description**

Faisalabad Services Portal (FSP) is an android based application that connects local service providers with client who want to avail best services without physically visiting different locations (just need an internet connection). Our application targets public and private businesses, marketplaces, institutes and organizations that covered the categories like pharmacy, wood workshop, real estate, emergency services to public hospital etc. Additionally, there are many more features that enhance the users experience. The importance of developing this android based application is to solve these main currently facing problems by people of Faisalabad City.

* Finding local services are headache and time consuming in busy life routine, without knowing about how well they work.
* No system is currently covering all the public and private businesses, marketplaces, institutes and organizations working credentials with their location.
  1. **Objective**

Digitizing public and private businesses, marketplaces, institutes and organizations for the people of Manchester City to communicate with each other and find the best possible solutions of their real world problems.

* 1. **Features**

Faisalabad Services Portal (FSP) provides the following features to their registered ordinary users and service providers.

* All private and public marketplaces, businesses, institutes and organizations of Manchester City under single umbrella.
* Known about the credentials of each public or private marketplaces, businesses, institutes and organizations easily at one profile click.
* Discover nearby building and places with the help of the maps and nearby filter.
* Opportunity for businesses (etc.) to provide their services.
  1. **Nature of the Project**

The project is an android-based application registered on Google Play Store and developed by using various modern technologies.

* 1. **Tools/Technology**

Faisalabad Services Portal (FSP) are developed under the following hardware and software technologies and tools.

* + 1. **Figma**

The application interfaces are designed and prototyped under a collaborative web application called Figma.

* + 1. **Dart/Flutter**

The logical functionalities of Faisalabad Services Portal (FSP) are written in dart developed by Google and the front-end of the application is written in its framework called flutter.

* + 1. **Javascript/React JS**

For admin side, to show various statistics and for services control the Javascript and its library React JS is used in an application.

* + 1. **Google Maps**

The google maps technology and its application programming interface are used in location and nearby feature of Faisalabad Services Portal (FSP).

* + 1. **Firebase**

For back-end database operations, the application used cloud-hosted NoSQL realtime database called firebase.

* 1. **Process Model**

Faisalabad Services Portal (FSP) is developed by using iterative model. In which at initial development work is conducted based on initial requirements that are clearly defined, and subsequent features are added through iterations until the final system is completed.

* 1. **Summary**

This chapter covered Faisalabad Services Portal (FSP) an android based application brief introduction, the scope of this project, why was this application necessary, its objective, the various features this application provided and nature of the project. After explaining this, the following chapter also discuss tools and technologies under which application was developed and process model through which it completed.