

Software Requirements Specification

for

Quick Care Services

Prepared By

220941220212

Vipul Prem Babhare

220941220034

Tushar Raju Bhendarkar

ABSTRACT

The main purpose to develop this Quick Care Services Portal system project to resolve the issue of both consumer and service provider. The Service Provider such as Nanny, Nurse can submit services that they want to provide and simultaneously the consumer can submit the request of his need and like this the project can conclude with meeting both the needs and supply of the two parties.

Introduction

Modern technology has been developed to the extent that even searching for extra services such as finding a nanny for the new born baby and finding the nurse for the patient is made possible over the internet. The process of searching of for extra services can be done over the internet.

Consumer looking to hire the people for accepting various roles to help them live better can search over the internet. while sitting at their home. Providers can also be able to advertise their services & allow special visit to customers at one place.

Now consumers will not have to go to the service providers personally they can search for their desired service at a reasonable rate which suits their pocket. And they can also have the view of other services online

- It will be an online forum where consumers (Help seekers), service providers (Extra service providers) can exchange information about services quickly, effectively and inexpensively at one place.
- It helps in building a website to
 - Advertise a service for Providers.
 - Search for a service, browse through categories, schedule a visit as per available slots for Consumers.

System Analysis

The Proposed Quick Care Services (Extra Services Providers Portal) has the following features.

- Admin can view and monitor list of Service Provider and their value seekers, Users.
- Only registered Providers can list their services on portal .
- Providers will be able to provide suitable home visit schedule for the Consumer.
- Users can view available services through various filters/categories.
- User will be able to book an appointment for service visit for particular category online.

User will be able to book a schedule meet by paying token amount through payment gateway

Functional Requirements

Operating Environment:

1.1 Hardware Platform:

- Processor: Above Pentium 4, with clock speed of 2.0 GHz
- RAM: 1GB or Above
- Hard Disk: Free disc space above 1GB

1.2 Software Platform:

- Front End: ReactJS / JSP, HTML, CSS, Bootstrap.
- Back End: MySQL, Spring and Spring Boot Framework, JPA.

1.3 Supported Tools:

- MySQL Workbench, Eclipse, STS.
- Web Server: Tomcat 9.0.

J2EE: Java 2 Enterprise Edition is a programming platform part of the Java Platform for Developing and running multitier architecture Java applications, based largely on modular software components running on an application server.

TOMCAT: It's an application server which is mostly used in the web-applications. It implements the Servlet2.5 & JSP2.1 specification. It's a cross-platform application Server.

ECLIPSE: In computer programming, Eclipse is an integrated development environment (IDE). It contains a base workspace and an extensible plug-in system for customizing the environment. Written mostly in Java, Eclipse can be used to develop applications. By means of various plugins, Eclipse may also be used to develop applications in other programming languages: C, C++, and JavaScript. It

can also be used to develop packages for the software Mathematical.

Development environments include the Eclipse Java development tools (JDT) for Java.

SPRING BOOT: Java Spring Boot (Spring Boot) is a tool that makes developing web application and micro services with Spring Framework faster and easier through three core capabilities: Auto configuration. An opinionated approach to configuration. The ability to create standalone applications.

MySQL: MySQL is an open source 'Relational Database Management System' in which all the data are stored in the form of tables. Each table is connected to some other table i.e., has a relation with another table and this relationship is established through integrity constraints. These tables have columns which represents the attributes of an entity and there are rows of data for each column. This is called the database and is connected to the frontend or user interface with the help of controller. This is a fast and highly scalable database management System.

Non- Functional Requirements

2.1 Performance Requirements

The system should store all the database records of each provider and user properly and the application should be available for use 24*7 through the server. Also, the application should be user friendly with a proper user interface which makes it easy for the user to understand. All the options should be present in properly accessible places for user convenience

2.2 Safety Requirements

All login ids and passwords of the admins, providers, and users should be protected for privacy using whatever constraints required in the database or the application. Admins, Providers, properties and users' records are to be backed up securely across database servers. In case database is hacked by someone, and data is deleted a backup server should be present for such purpose.

2.3 Security Requirements

All passwords of the administrators should be protected for privacy using whatever constraints required in the database or the application. Transactions regarding properties should be carried out properly. Only admin will have access rights to the user and provider data according to the need. The database should be protected from attacks and unauthorized access.

