E Gas Seva

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System Requirements Specification Document v 1.0

Table of Contents:

1. Introduction

1.1 Scope:

This document describes the scope of the requirements for the E Gas Seva for ABC corporation. The document details all the high level requirements with intent to validate Abc's requirements. This document should be used by the Architect and the developers to design the Solution Architecture for the project.

The key system that is involved in the integration is E Gas Seva.

The list of priorities of E Gas Seva is:

- User, Admin, Dealer Registration and Login.
- Booking of Gas Cylinder.
- Providing RSS Feed.
- Buying Gas related products.

1.2 Management Summary:

ABC Corp is a Private organization which is what keeps the fire burning in millions of Indian homes .E Gas Seva is an application to provide an in-depth services for a gas agency by highly benefiting their customers in vast area of company's services providing to them, making it easy for the customers to take a gas connection, book gas and deal with all the problems related to it online.

1.3 Definitions:

- Spring Boot: For developing Microservices (Middleware)
- My sql: For developing database for storing all data (Back end)
- Angular: For developing functional Web pages (Front end)
- Bootstrap: For designing user interface

1.4 Overview:

This Document will describe all the main requirements that will require to develop this application. Specifically it will outline the type of database used, technology used for front end, back end and user interface. It also outlines the infrastructure and working of application.

2. System Objectives

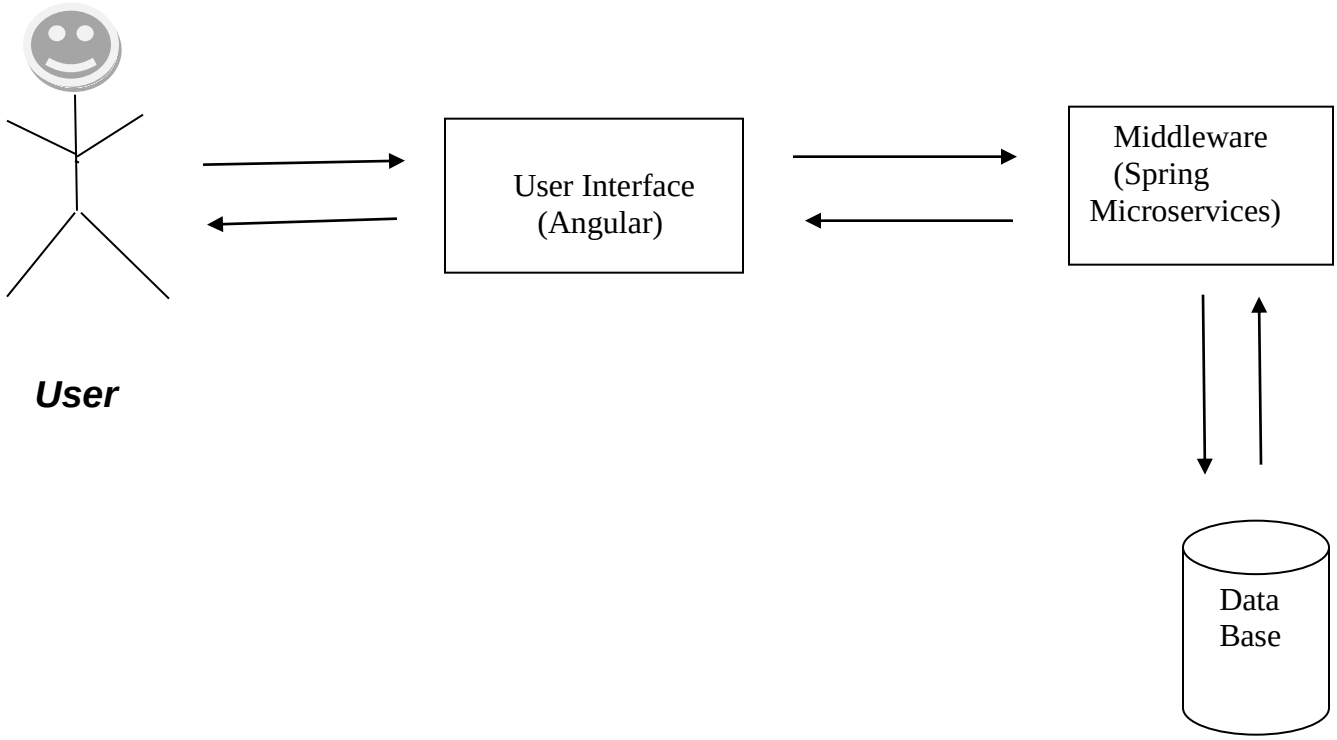

Figure 1. System Context Diagram

The diagram above explains the main conceptual elements in the solution and its relationships with the architecture. A user first interacts with user interface which will process the request to Spring microservices which will further insert the data to database .In response data will be checked in database and return the response to user interface.

E Gas Seva	Core application that is to be developed for allowing user to register for a new gas connection and also let existing user to book a cylinder .It also has a shopping cart that allows the user to buy gas related products. It also helps dealers to keep track of all his users and also his personal

	transaction.
User Interface	It is a angular application which has user registration, shopping cart to buy Gas related products. It also has an admin dashboard and dealer dashboard to keep track of its users.
Middleware	Spring Microservices are used as middleware.
Database	My sql and Mongodb to store all user and cart related data

3. Functional Requirements

3.1 Brief Description

E Gas Seva is an application that allows a user to book cylinder. It has three entities admin, dealer and user who can access this application. Admin keeps track of all user interaction and also manage the dealers. Dealer gets notified when a new booking is done. New user can register for a gas connection and existing user can book a gas cylinder based on their location. This application also has a shopping cart which allows user to buy gas related products.

3.2 Interface Details

Pls see the System Objective diagram.

3.3 Table of requirement

Flow	The E Gas Seva will first provide an interface to user to signup if you're a new user and a singin if you're a existing user. After signing up a verification mail will be sent to the registered mail. On clicking the link sent with the mail it will redirect to singup page. Here the user, admin and dealer can signup using their respective credential. User can book cylinder, transfer connection and they can also buy gas related products. Admin can keep track of all users Dealer will receive notification when a new booking is done. He then has to accept the booking and also answer the queries from users.

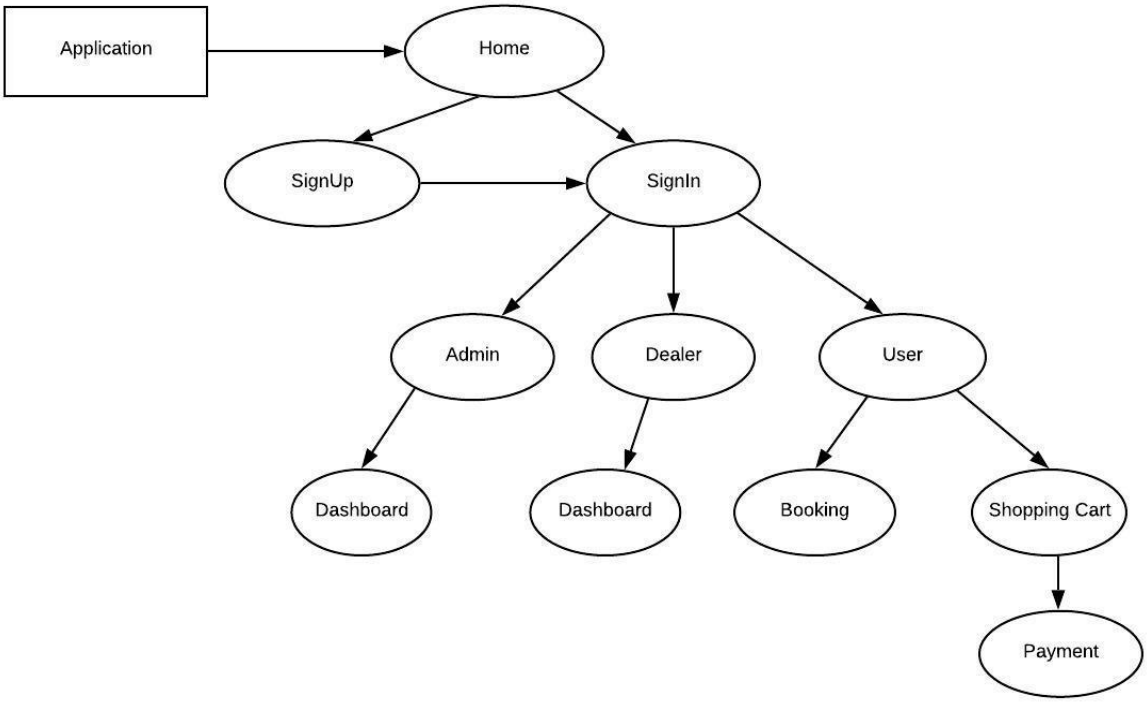

Figure 2. Application Flow Diagram

4. Database Schema:

There are 9 tables in E Gas Seva used to store user, booking, payment, transfer connection , user registration and login details.