# Software Requirements Specification

# For

# AtoZHomeServices

Version 1.0 approved

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Revision History

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| **AtoZHomeServices** | 15/01/2019 | First version | 1.0.0 |
|  |  |  |  |

**Introduction**

## Purpose

To create a exciting place for getting home services at the ease of user’s place and to make most of the home services available in this application. User can book any services available in their area and get it done very easily.

## Document Conventions

* Main Headings
  + Font - Arial
  + Size - 28
* Sub Headings
  + Font - Times New Roman
  + Size - 20
* Other Details
  + Font - Bell Gothic Std Light
  + Size - 12

## Intended Audience and Reading Suggestions

This document is intended for collaborators participating in this project and supervisor supervising this project.

## Product Scope

Nowadays everything is getting on online platform but we have to get all home services done by ourselves. This application will provide service to buy most of the home services online. User can buy any services selecting the tasker according to their preference and get it done.

## References

1. IEEE SRS Document Template
2. Software Engineering By Roger Pressman
3. Software Engineering By Rajib Mall

2. Overall Description

## 2.1 Product Perspective

This product is being made to provide almost all home services to their home. This product is a whole new product in its type. It is not a replacement for any other application.

<Describe the context and origin of the product being specified in this SRS. For example, state whether this product is a follow-on member of a product family, a replacement for certain existing systems, or a new, self-contained product. If the SRS defines a component of a larger system, relate the requirements of the larger system to the functionality of this software and identify interfaces between the two. A simple diagram that shows the major components of the overall system, subsystem interconnections, and external interfaces can be helpful.>

## 2.2 Product Functions

Product Functions is provided in git repository used for showing progress of this project.

<Summarize the major functions the product must perform or must let the user perform. Details will be provided in Section 3, so only a high level summary (such as a bullet list) is needed here. Organize the functions to make them understandable to any reader of the SRS. A picture of the major groups of related requirements and how they relate, such as a top level data flow diagram or object class diagram, is often effective.>

## 2.3 User Classes and Characteristics

<Identify the various user classes that you anticipate will use this product. User classes may be differentiated based on frequency of use, subset of product functions used, technical expertise, security or privilege levels, educational level, or experience. Describe the pertinent characteristics of each user class. Certain requirements may pertain only to certain user classes. Distinguish the most important user classes for this product from those who are less important to satisfy.>

## Operating Environment

This application can be downloaded in all android devices that supports android 8.0 or higher versions of android. To run this application device should have at least 512 mb ram and 150 mb free internal space.

## Design and Implementation Constraints

<Describe any items or issues that will limit the options available to the developers. These might include: corporate or regulatory policies; hardware limitations (timing requirements, memory requirements); interfaces to other applications; specific technologies, tools, and databases to be used; parallel operations; language requirements; communications protocols; security considerations; design conventions or programming standards (for example, if the customer’s organization will be responsible for maintaining the delivered software).>

## User Documentation

<List the user documentation components (such as user manuals, on-line help, and tutorials) that will be delivered along with the software. Identify any known user documentation delivery formats or standards.>

## Assumptions and Dependencies

<List any assumed factors (as opposed to known facts) that could affect the requirements stated in the SRS. These could include third-party or commercial components that you plan to use, issues around the development or operating environment, or constraints. The project could be affected if these assumptions are incorrect, are not shared, or change. Also identify any dependencies the project has on external factors, such as software components that you intend to reuse from another project, unless they are already documented elsewhere (for example, in the vision and scope document or the project plan).>

3. Functional Requirements

## User Management

To manage and store /collect the customers’ requirements.

## 3.1.1 Registration

Input : User Details

Output : Account created OR Error messages

Process: The data for new customer will be appropriately added to the databases

## 3.1.2 Login

Input : (i) Required User Details

(ii) User's email OR login with google or Facebook

Output : Successful login OR error message.

Process: Verify and validate user's credentials.

## 3.1.2.1 Forgotten Password

Input : Remember username, Mobile no. or email.

Output : Enter information

Process: If new password is created then user will be redirected to the login page or as per rule retry or block.

## 3.2 Account Management

## 3.2.1 for tasker account

Input : Login id, password

Output : Appropriate tasker's account is opened and access is given

Process: Verification.

## 3.2.2 for customer account

Input : customer's login id and password

Output : Appropriate customer’s account is opened and access is given or error message is displayed

Process: Verification.

## 3.3 Booking Management

## 3.3.1 Place booking

Input : customer details / tasker details/ booking details / payment

Output : Order successfully placed or error message

Process: Register the order and place it.

## 3.3.2 Change booking

Input : Booking id

Output : id is correct or incorrect

Process: Change order successfully and update registered order.

## 3.3.3 Cancel booking

Input : Booking id

Output : Cancel order.

Process: Remove registered order.

## 3.3.4 Track tasker

Input : Track id

Output : Tracking details / Tracking status.

Process: Appropriate Booking details and order status.

## 3.3.5 View booking

Input : Categories

Output : Bookings are displayed or error message.

Process: Display all bookings of the logged in user.

## 3.4 Payment Management

Manage payment i.e. how the customer wishes to pay.

## 3.4.1 Payment methods

(a) Net banking

(b) E-wallet

(c) Cash on delivery

Input : The method of payment and enter the amount.

Output : Successfully paid or error message.

Process: Verification

## 3.5 Feedback

Customer / user can give his/her feedback then by the other users.

## 3.5.1 Give Feedback

Input : Write feedback

Output : Feedback submitted successfully, thank you for feedback.

Process: Notification of successful feedback is displayed.

## 3.5.2 Rating

Input : Rate the website out of 5 stars.

Output : Thank you for rating our application.

## 3.6 Services Management

Admin can add or update service name, details and locations available.

## 3.6.1 Add service

Input : Valid details of service to be provided, locations available, etc.

Output : Appropriate service added

## 3.6.2 Update service

Input : Valid updates of service, locations available, etc.

Output : Appropriate service updated

4. Nonfunctional Requirements

* + **Security** : Resilience against potential harm.
  + **Reliability** : Guarantee of genuine product.
  + **Maintainability** : Ease at which site can be maintained.
  + **Compatibility** : Usable on wide range of devices.
  + **User-Friendly** : Easy access of all features.
  + **Adaptability** : Site should be easily adapted by wide range of users.
  + **Extensibility** : Scope to add new features and products to the site.
  + **Probability** : As ability of some software for different environments.
  + **Robustness** : Ability to cope with errors.
  + **Quality** : Input :

Fault Discovered

Fault Delivered

Output :

Product Exchanged

Credit Provided

* + **Scalability** : For large number of users or quantities of data.