Software Requirements Specification

for

Smart Assistant

Version 1.0

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Table of Contents

Revision History

Name	Date	Reason For Changes	Version

1. Introduction

1.1 Purpose

This Software Requirements Specification, SRS, will provide a escription for a task management system of Smart Adviser. In the following sections we will define the document purpose, the scope of the Smart Adviser product, and the intended audience for this document. Additional sections will define acronyms and abbreviations, and explain any document

1.2 conventions. We will end the SRS with a section for references and acknowledgments. Document Conventions

This Software Requirements Specification will describe the processes and functions of the
Smart Adviser. The intended audience for this document will be the designers
of this system, Rajesh Patil and team , and managers and their workers. The major portion of the product will be described within this documentation, with a possible upgrade to the system available in the future which may include a points reward system redeemable for avatars and avatar upgrades

1.3 Intended Audience and Reading Suggestions

Smart Adviser 1.0 SRS is derived from communication between the authors, and their product customers . Our Product Manager as a requirement for the Shah production has requested this SRS. Therefore, our intended audience consists of the clients, the developers, and Rajesh Patil and his team

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- ***Project Manager***
- ***Developers***
- ***Testers***
- ***Client***

1.4 Product Scope

Smart Assistant System Mobile Application is being designed for the Advisers and sales persons to manage their daily task and client data. This mobile application will help adviser to easily schedule their task and manage the renewal of payment user can create profile and can add client itself or can upload file to dashboard and set voice reminder for particular task The Smart Adviser System provides an interface for both Manager and Adviser to use to track their daily tasks. Each user, Manager or Adviser, will have a different user interface. The manager will have a traditional manager user interface, with the Adviser having a traditional Adviser interface. The manager interface will allow for entering of new tasks, editing tasks, deleting tasks, and searching of tasks. The manager interface will also allow for creating and deleting of users. Lastly, this interface will have the permission to reset passwords. The worker interface will allow them to search tasks and mark tasks that they have completed. The system will also provide a history of previous tasks assigned or completed .

1.5 Definitions, Acronyms and Abbreviations

Avatar - A graphical image that represents a person.
API - Application Programming interface
JDBC - Java Database Connectivity
SRS - Software Requirements Specifications
SQL - Structured Query Language
GUI - Graphical User Interface

2. Overall Description

2.1 Product Perspective

The Smart Adviser System will be a new self-contained product. Communication will be done via a Java interface to a server that will connect with the SQL database that stores the Task Management information .

Figure 1- Shows the environment of the Smart adviser System

2.2 Product Features

<Summarize the major features the product contains or the significant functions that it performs or lets the user perform. Details will be provided in Section 3, so only a high level summary 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 a class diagram, is often effective.>

The log-on interface UI01

- **The system will allow new users to create a Manager account**
- **The system will allow existing users to log-on to their account**
- **The system will provide general help information**
- **The system will allow the Manager to reset passwords**

The Adviser interface UI02

- **The system will update from the database upon log-on**
- **The system will allow for management of Manager accounts for creation and deletion of users**
- **The system will allow for changing of both Manager and Adviser passwords**
- **The system will allow for searching of current and previous tasks**
- **The system will update database upon logging out**

The manage tasks interface UI03

- **The system will allow for creation of new tasks**
- **The system will allow for editing of tasks**
- **The system will allow for set voice reminder**
- **The system will allow for notification pop-up message**
- **The system will allow for deletion of tasks**
- **The system will allow for management confirmation of completed tasks**

The Adviser interface UI04

- **The system will update from the database upon log-on**
- **The system will allow for tasks to be marked completed**
- **The system will allow for viewing of rewards status**
- **The system will allow for searching of current and previous tasks**
- **The system will allow for changing of passwords**
- **The system will update database upon logging out**

The Client Data interface

- **The system will allow for creation of new Client**
- **The system will allow for editing of Client**
- **The system will allow for deletion of Client**

- **The system will allow for management confirmation of completed tasks**
- **The system will allow for upload file (excel, csv) of client data**
- **Client data contains name, mobile number , mail id ,DOB**
- **The system will allow for manipulate Client data**
- **The system will allow for edit client data**
- **The system will allow for deletion client data**
- **The system will allow for manipulate client data**
- **The system will allow for send text message to clients number**

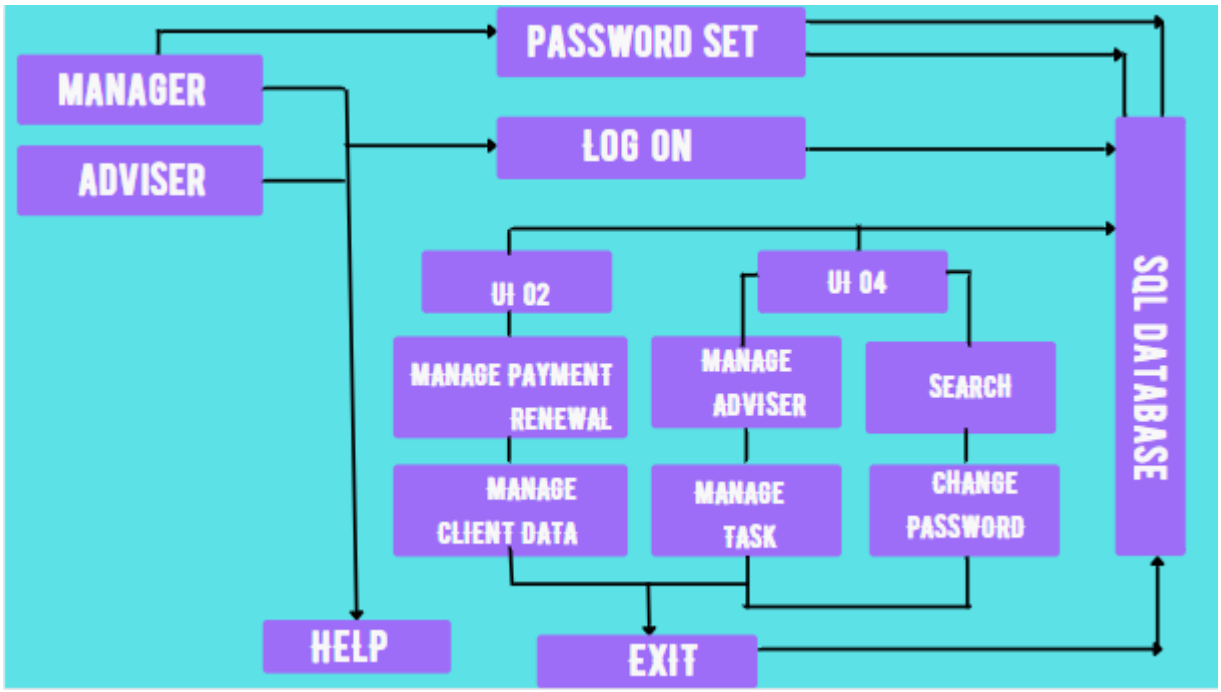


Figure 2-Data flow diagram of the Smart adviser System

2.3 User Classes and Characteristics

The intended users for the Task Management System will be both Advisers and managers . The most important users will be the parents as they will have more functionality than the children and be responsible for starting new Adviser accounts.. The system will require basic

understanding of how a computer works, i.e. how to turn it on. It is expected that the user will have very little technical expertise.

3. Operating Environment

The Smart Adviser System will run on a Android platform and a Ios operating system. The System will need to communicate between the Java application and the SQL Database

3.1 Design and Implementation Constraints

The system must be programmed in an object-oriented language, in this case we will be using Java. The system must use an internet connection or the user will not be able to communicate with the database. The Smart Adviser System must be portable so that multiple mobiles may be used to look at the information. The SQL database must be attached to the system. At this time, testing has not been done on versions earlier than

3.2 User Documentation

There should be minimal help needed to run this system. Should there be a need for help, there will be a help menu that will guide the user through using the system. This document will also serve as for all help documentation that follows.

3.3 Assumptions and Dependencies

One assumption that could affect the design is that the user runs a Android as well as ios operating system; a Android operating system less than version 6 may cause unknown effects to the system functionality. Another assumption that could affect the design is that the user will have adequate internet connection; this could affect the speed with which the interface communicates with the database. Lastly, this system will be written for users with a basic understanding of how Mobiles work. Users with less Android Mobiles experience may have a harder time.

4. System Features

4.1 System Feature 1

3.1.1 Description and Priority

3.1.2 Stimulus/Response Sequences

3.1.3 Functional Requirements

REQ 1.0 Start-up
REQ 1.1 The system will allow for user id and password
REQ 1.1.1 The system will log user in to manager or worker portion of program
REQ 1.2.2 The system will allow manager to add new tasks
REQ 1.2.3 The system will allow manager to edit tasks
Software Requirements Specification for Smart Adviser Page 10
REQ 1.2.4 The system will allow manager to delete tasks
REQ 1.2.5 The system will allow manager to confirm tasks have been completed
REQ 1.3.0 The system will allow limited but necessary operations for workers
REQ 1.3.1 The system will allow workers to mark tasks completed.
REQ 1.3.2 The system will allow workers to view rewards
REQ 1.3.3 The system will allow workers to search tasks
REQ 1.3.4 The system will allow workers to change their password
REQ 2.0 The system will provide a basic help guide to aide in usability
REQ 3.0 The system will allow for managers to reset passwords

4.2 System Feature 2 (and so on)

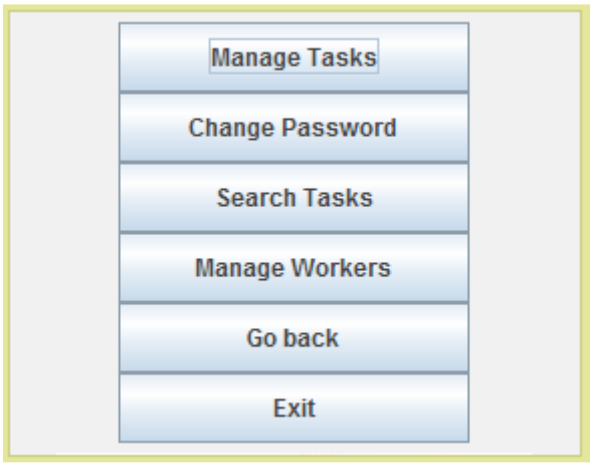
Use Case

diagram

5. External Interface Requirements

5.1 User Interfaces

The Smart Adviser System will have four main graphical user interfaces:
Log On UI01
will consist of the log-on interface. It will contain text fields allowing user
name and password for log-on with a corresponding button, a button for a help menu which will assist in usability, and a button which will allow the manager to reset password. Depending on the type of user which logs on, either the manager or the worker interface
will be loaded.

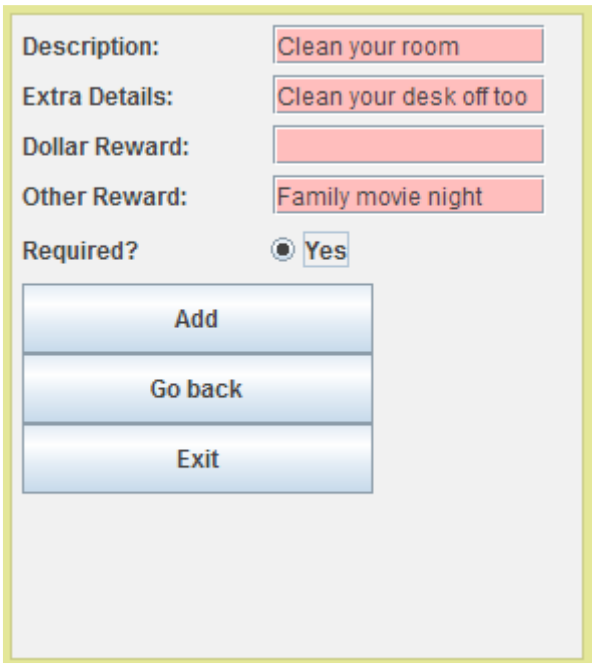


Manager UI02

will consist of various different tasks. This interface will allow for tasks search, password changes, worker account management and the ability to navigate to the manage tasks UI

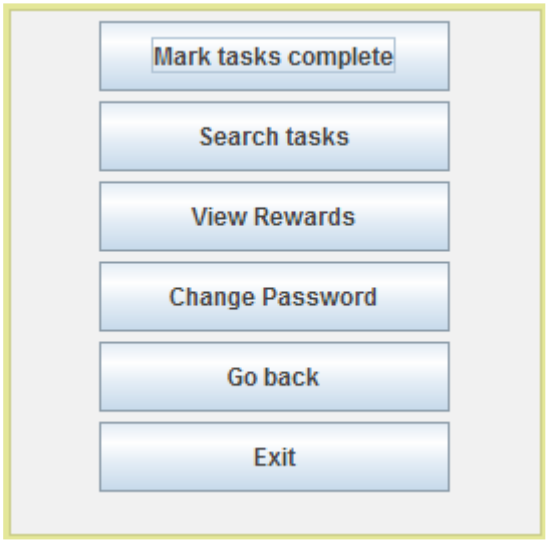
Manage Tasks UI03

will allow the manager to confirm that tasks have been completed, add new tasks, edit tasks, and delete tasks.



Adviser UI04

will be a limited version of the parental interface. The worker will only be allowed to mark finished tasks complete, search through tasks, view rewards earned, and
change their password.



5.2 Hardware Interfaces

The Smart Adviser System does not require a hardware interface

5.3 Software Interfaces

The Smart Adviser System will be using a Java API to communicate to the server, which will allow access to the SQL database.

5.4 Communications Interfaces

The Smart Adviser System will use the JDBC driver to communicate with the SQL database

6. Other Nonfunctional Requirements

6.1 Performance Requirements

The system shall perform basic operations in less than 2 seconds. While navigating the system, user interfaces should update quickly, this is not an issue and doesn't need to be addressed. The system shall run on a Android platform and a ios operating system. The System shall communicate between the Java application and the SQL database. The SQL database needs to have the capacity to grow.

6.2 Safety Requirements

The level of security for this product is refined mostly to the privacy needs between users. Because the manager is responsible for

generating and distributing rewards, improper entry into the manager's profile may result in malicious activities leading to false payouts. Privacy between workers is also important to the client because siblings, peers, or other
workers using the product may utilize the ability to enter another worker's profile with
negative intent.

- **User account names will be associated with a password which will be chosen by the**
- **user upon first use.**
- **Manager passwords will be associated with one secret question to assist in**
- **password reset.**
- **Worker password reset will be performed by the manager**
- **If the manager enters an incorrect password 3 times, they will be locked out**
- **If the worker enters an incorrect password 3 times, they will be locked out.**

6.3 Security Requirements

6.4 Software Quality Attributes

Usability

The interfaces of the system will be designed in a user-friendly manner such that the user will need no training to perform operations within the system. The interfaces will be easily navigable, clearly labeled, and a help menu will be provided with instructions for performing basic tasks.

7. Other Requirements

Appendix A: Glossary

Appendix B: Analysis Models

Appendix C: Issues List