

Project Title :- Tiffin Management System

Group No .:- 34

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Software Requirements Specification

Introduction:

This document is the SRS report for a *Tiffin Management System* web Application.

This system has the following main components:

1. Implement the different types of user – Administrator, Customer and Homemaker
2. Implement subscription facility for customer
3. Implement daily menu selection facility from Homemakers; Customers can select their menu accordingly
4. Management of tiffin orders
5. Payment Management for Customer and Homemaker

Purpose:

The purpose of our application is to create a platform which provides an opportunity to the local-area homemakers to start their own Tiffin Services while ensuring the local-area bachelors diminish their hunger on a budget.

The users of our web-application will need to create an account as a customer to avail Tiffin Services based on the availability of the Homemaker in the respective locality.

Customers can navigate through different categories of food items as per their choice.

Payment functionality will be built in to allow the use of credit cards, debit cards or COD for customers.

Scope:

This system will allow Secure registration and profile management facilities for Customers and Homemakers. System will display numerous Tiffin Services by various homemakers so that the customers can choose their service. Safe payment gateways will be provided by the system so that customer data remains confidential.

Definitions:

TMS --> Tiffin Management System

SRS --> **Software Requirement Specification**

COD --> Cash on Delivery

Overview:

This is a Tiffin Management System that tends to provide Tiffin Services to the Customers (Bachelors) and simultaneously provide Employment to the Homemakers.

Functional Requirement:

This section provides a requirement overview of the system. Various functional modules that can be implemented by the system will be-

1. Customer Authentication and Registration:

- This system will create a customer profile by providing customer registration functionality
- Customers can create or update his/her profile information
- System will also authenticate user credentials if the customer is already registered

2. HomeMaker's Authentication and Registration:

- This system will allow HomeMaker to create profiles by providing HomeMaker's registration functionality.
- HomeMaker's can create or update his profile information.
- System will also authenticate user credentials if HomeMaker is already registered.

3. Tiffin Catalog:

- System will provide various categories of Tiffin Services for Customers
- Customers can Choose any Tiffin Service according to his/her Choice
- Product reviews and rating will be available for each product for Customers

4. Order Processing:

- System will allow customers to place orders for particular Services, the orders will be available for customers till the confirmation
- System will provide a facility for customers to cancel Service after the confirmation
- Order history will be maintained for each end user

5. Billing:

- System will display available payment methods for payment processing
- Customer can choose his/her method of payment for orders

Hardware Interface:

- Since the application is internet based, all the hardware shall be required to connect to the internet

Software Interface:

- As the system is on server, so requires any scripting language JSP etc.
- System will require a capable Database like MySQL, Oracle etc.
- System will communicate with the database for storing customer profile, product details, Payment history, order history, etc.

Non-Functional Requirements:

1. **Usability:** System will be efficient to use, easy to use. Information about best tiffin services offered by homemakers will be given to customers.
2. **Portability:** This system can be used on Windows or Linux OS. System is easy to port on any other server.
3. **Performance:** The Tiffin Management System has adequate performance requirements. it does not take more than 5 seconds to load new pages.
4. **Integrity:** Whenever the changes are made related to customer data and his orders, it shall be reflected in the database as well.

System Interactions:

1. **Customer Interaction:** Customers will be able to surf for the required tiffin plans in his location through the website. System will allow the end user to subscribe to the weekly/monthly tiffin plans if he/she is a registered user.

Customers will be able to opt out of the order if required. Payment can be made by any one COD, Debit card or UPI.

2. **Homemaker Interaction:** Homemakers can provide their daily menu and can see their daily orders to fulfil.

Admin Staff: System Admin will Add/Delete/Update the Customers and Homemakers details. Admin can also manage the payment related issues.