# Software Requirements

**Specification**

**for**

# Restaurant Management

### Version 1.0

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## Revision History

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Tushar Pandey | 02 - Dec -2016 | Initial Version | 1.0 |
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## Introduction

### Purpose

The Software requirement specification (SRS) document consist of an insight of purpose, scope, manual, usage, target users, user interfaces, overview and references for Restaurant Management Web application.

### Document Conventions

The document has provided an overall idea and high level requirements for the application Restaurant Management.

### Intended Audience and Reading Suggestions

The intended audience include Restaurant owners and staff.

### Product Scope

The web application reduces the burden and time taken for Restaurant Order management and provides a wholesome solution to the Restaurant management.

## Overall Description

### Product Perspective

The Restaurant Management system is a web application that enables the owners and the staff of any restaurant to manage restaurant tables, food menu with photos, status of food preparation, finances, order taking capability, etc. The web application should be able to handle multitude of users including restaurant owner (with highest privileges), chef and waiters.

### Product Functions

* The Restaurant owner with highest privileges should be able to add new users
* Existing restaurant staff should be able to sign in to access their profile.
* The waiter can add the customer’s order in the system which can be seen by the other staff of the restaurant. The chef can even see the status and accordingly update the status as the food is getting prepared. Once the food is ready, the chef updates the record with completion status.
* The staff can view the Restaurant account details along with all order details.

### Operating Environment

The project consists of a web based application that can be hosted across any server and accessed via inter browsers like Internet explorer, Chrome etc.

## External Interface Requirements

### User Interfaces

#### The Web application consist of following web pages.

* **Login Page:** Staff can login using this page. Different types of users have different privileges. The restaurant owner is the administrator and s/he is the one who can sign up for other staff members like new chef, new waiter, etc.
* **Order Page:**

1. The page should allow the waiter to add the orders from the customer.
2. The page should display the entire menu available in the restaurant with each dishes price next to it in USDs.
3. One field with the table number also should be present to associate the order with the table it is required for.
4. The mentioned details can be on the left split of the page. Once the staff selects the items for the table, they all should appear clearly on the right hand split with the total billing amount.
5. Staff should be able to easily update food items in the final cart.
6. Once the cart is finalized, the staff should be able to click on Submit the order to the chef using ‘Take order’ button.

* **Team Page:** This page is a descriptive page with the details of each of the staff. The details include the staff’s username, password and responsibility. The administrator should be allowed to delete any staff when the staff leaves the restaurant.

#### **Recipes/ Beverage Page:** This page should allow the administrator to add new dishes and beverages in the restaurant menu and delete the unavailable dishes.

#### **Table management Page:** This page should essentially show the table status in terms of “Occupied” or “Idle”. It can show other details like ‘Delete table’. It should allow the staff to modify the status as “Occupied” or “Idle”

#### **Customer Order Page:** The page is designed to show all the current customer orders. It includes details like Customer Order price, Customer order status, Action to be taken . There should be an option to see the dishes ordered in the order. Also, there must be an option to delete the order.

### Hardware Interfaces

The web application should be able to be accessed in any platform via web browsers like Internet explorer, Firefox, Chrome etc.

### Software Interfaces

#### The application should use MySQL database for data storage.

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## Other Nonfunctional Requirements

### Performance Requirements

The application is to be modularized with proper implementation of MVC architecture to improve its availability, robustness. The data processing is to be uniformly distributed across processes to improve the performance.

### Safety Requirements

Proper steps are to be taken to avoid data corruption in case of high usage or network failure.

### Security Requirements

#### The application should itself takes care of session management and cookies management.

### Software Quality Attributes

The application should perform all the necessary validations before pushing any data into the database. As it is a web application, it is highly portable and usable. The application should implement proper coding standards and modularization which increases its maintainability and correctness. The business logics must be thoroughly verified to avoid loopholes.

## Other Requirements

The Application uses MySQL for the data management and requires it to be setup and the host server should be up and running.