# **REQUIREMENT ELICITATION DOCUMENT**

Q1. What are the objectives of your company?

Q2. What is the most important goal of the company?

Q3. Who are the primary stakeholders of the company?

Q4. Who are the primary customers of your restaurant?

Q5. How many current branches do you own?

Q6. What are the current problems you are facing today without the system?

Q7. How does the system goals map to the company goals?

Q8. How will the system change the current work flow of the company?

Q9. What functional limitations would you like to change?

Q10. How do you analyse the information you currently receive? What type of data is used? How do you currently get the data?

Q11. What will the new system accomplish that is not currently accomplished manually or with other systems?

Q12. Who will be using the system?

# **Project Life Cycle Model**

Risk Analysis

Implementation

Design

Maintenance

Testing

Deployment

<< Include >>

Web Test

Load Test

Unit Test

# **Vision Document**

**Vision of the project**

**We will provide and effective and efficient Web-based solutions to Chinese Bud Solutions enabling them to expand their base of operations while delivering quality services to value-conscious customers.**

**About the company**

**Chinese Bud Food is an authentic Chinese food restaurant founded by Sam Lee and Linda Lee at**

**San Francisco in 2009. The restaurant currently has 4 branches spread across San Francisco with an ever increasing loyal customer base.**

**Requirements Summary**

**The management of Chinese Bud Food want to automate their operations so as to help them expand their operations and reach out to new potential customers while retaining existing ones. The managements requires their customers to be able to book tables or order delicacies from an online portal. They also require one employee to be able to log on to the portal to efficiently manage orders and generate sale report to share it with management.**

**Project Goals**

**The project goals are:**

1. **Analyse the requirement to create a solution.**
2. **Design an application based on the results of the analysis phase.**
3. **Create a Web-based application on the MVC model based on the application design.**
4. **Test the application implemented thoroughly.**
5. **Ensure scalability of the hosted application.**

**Project Stakeholders**

**The Primary stakeholders of the projects are:**

1. **Management of Chinese Bud Food.**
2. **Employees of Chinese Bud Food**
3. **Customers of the Chinese Bud Food.**
4. **Management of ZynlaCom.**

# **Functional Requirement Document**

**The functional requirements of the system have been derived from the user requirements and from the interviews with the project stakeholders. The functional requirements have been designed to highlight the services that the system should provide. These requirements specify how the developers should design and develop the system in order to meet the expectations of the project stakeholders from the developed system.**

**Booking tables**

1. **The system should allow the users can state their name, date of dine-in and the number of personnel. The user can be a customer or employee.**
2. **The system should ensure that both the date and number of personnel is filled along with the name of the bookie to have tables booked.**
3. **The system should ensure that the date is not an earlier date than the current date.**
4. **The system should display the users the type of tables available like window seats, etc.**
5. **The system should accept special requirements during bookings.**
6. **The system should display any waiting time when booking during peak business times.**

**Searching Menu**

1. **The system should display the user dish preferences, like veg and non-veg.**
2. **The system should not display non-veg food items based on the preferences selected.**
3. **The system should have a search option to directly search the dish or related dishes.**
4. **The system must provide the user with description and picture about the dish selected.**
5. **The system must display the availability of the dish in an outlet.**

**Ordering Food**

1. **The system must display the menu to the user with thumbnails of the dish along with the price.**
2. **The system must display the availability of the dish in an outlet.**
3. **The system should allow to repeat a previous order.**
4. **The system should update the total amount to be paid based on the orders being added.**
5. **The system must not activate payment button unless delivery address and time for delivery is not filled.**
6. **The system should display option to apply for coupons if required.**
7. **The system should display live tracking of the order.**
8. **The system should let the user mark the order as delivered once they receive it.**
9. **The system must ask for feedback or any support required regarding the order.**

**Employee Login**

1. The system must allow an employee to login and administer reservation and delivery details by specifying a user name and password.
2. The system should ensure that the user name and password fields are not empty.
3. The system should authenticate the login credentials before providing access to the administration area of the application.
4. The system should provide access to the administration area when the authentication is successful.

**Updating an Order**

1. The system should allow the update of a restaurant item from the menu.
2. The system should allow the description or photo of the dish to be updated.
3. The system must display any pending changes required.

**Adding an item**

1. The system should allow the addition of an item to the menu.
2. The system should have the necessary fields filled in to add the dish.
3. The system must have the add button greyed out until mandatory fields are not filled in.

**Deleting a dish**

1. The system should allow the item to be deleted by employee.
2. The system should display confirmation message before deleting the item.
3. The system should update the menu without the deleted item.

**Marking Order Complete**

1. The system should let the employee mark as complete once customer marks it as delivered.
2. The system should display the approximate time taken for the delivery.
3. The system must display the feedback or support of an order.

**Cancelling Reservation/Order**

1. The system should let the employee cancel an order or reservation.
2. The system should display confirmation message before deleting the item.
3. The system should update the reservation page and order page.

# **UML Use Case Design**

**User case diagram for the customer actor.**

Booking tables

Browsing Menu

Customer

Placing Orders

**User case diagram for the Employee actor.**

Book tables

Browse Menu

Placing Order

Log In

Add dish

Delete dish

Update dish

Marking Orders

Cancel orders/reservation

Log Off