Software Requirements Specification

for

< Restaurant reservations system>

Version 1.0 approved

Prepared by:

Lubna kraidy

Reenad deeb

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1. Introduction

1.1 Purpose

The purpose of the SRS is to describe the external behavior of the restaurant reservations system. Requirements specifications identifies and describes processes, interfaces, performance and quality assurance requirements of the Online reservations system. It also

describes the design constraints that they should be that are to be considered when the system is designed and other factors necessary a complete and comprehensive description of the requirements for the software. The

Software Requirements Specification (SRS) captures the complete software requirements for the system, or a portion of the system. Requirements described in this document are derived from the Vision Document prepared for restaurant reservations system.

1.2 Product Scope :

We are developing our project reservations for restaurant owners and guests. This SRS is mainly developed for the project development team. In this team there is a project manager, The developer, programmer, and project user as well.
The online reservation system is to create an online interface for users to create reservation. This system will be a substitute for the traditional method available. The domain will contain two main types of users: guests and restaurant owners.

1.3. Glossary

Term	Definition
User (Customer) :	This document is intended to user and customer to make them ensure that this document is well meeting the need of the users.

Project Manager:	This SRS document is also very important for the project manager to ensure that can estimate the cost easily by referring to the SRS document and that it contains all the information require planning the project.
Database	Collection of all the information monitored by this system.
Project Developer:	The project developer will refer to the SRS document to make sure that they developed exactly hat the customer requires.
Field	A cell within a form.
Document Writer:	The document writer is reading the SRS document is to ensure that they understand the document well enough to be able to write the users manuals.
Maintenance:	The SRS document helps the maintenance engineers to understand functionality of the system, a clear knowledge of the functionality can help them to understand design and code.

1.4 References

Web Address
(a). www.google.com

1.5 overview of document

The next chapter provides the general description section of this document an overview of product functionality that describes the informal requirements and is used to create context for the technical requirement specification in the next chapter.

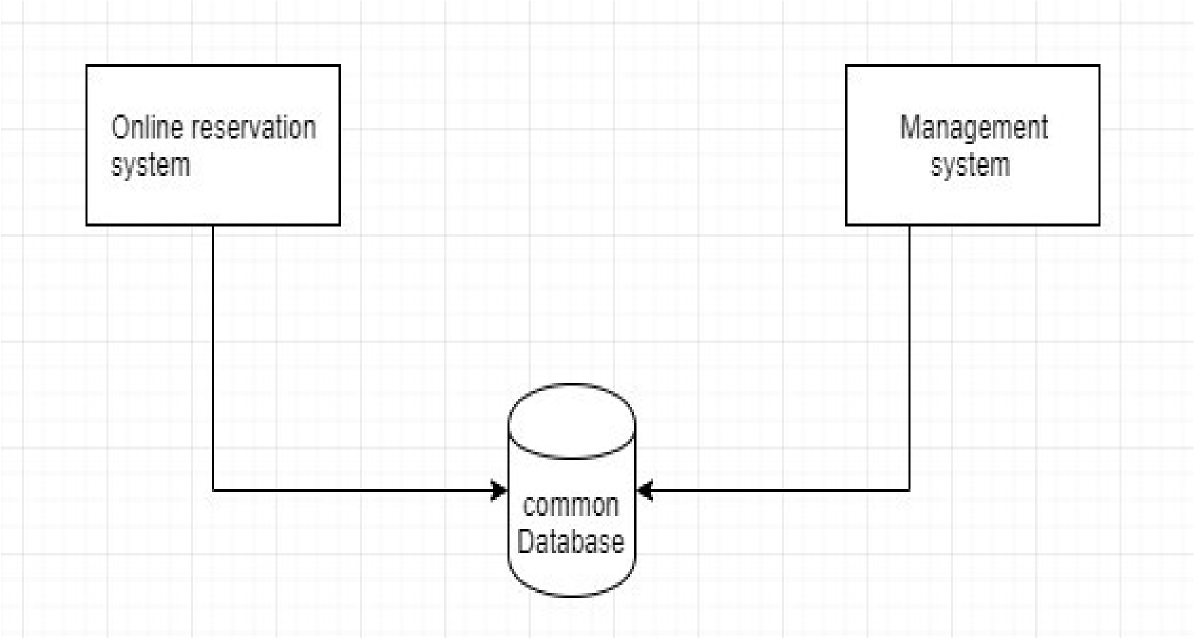
The next chapter, the Requirements Specifications section of this document, is primarily written for developers and describes in technical terms the details of the product's functionality. Both sections of the document describe the entire same software product but are intended for different audiences and therefore use a different language.

2. Overall Description

2.1

The system considers the opinions of restaurant owners and guests. We have a reservation system where guests can create a reservation and use the system functionality

described in its document. There is also a separate environment called Restaurant Management System, in which the restaurant and reservations are managed, add information, guests, floors and tables with the ability to edit and delete. Both systems rely on the shared database. Meaning that the relevant data is exchanged.

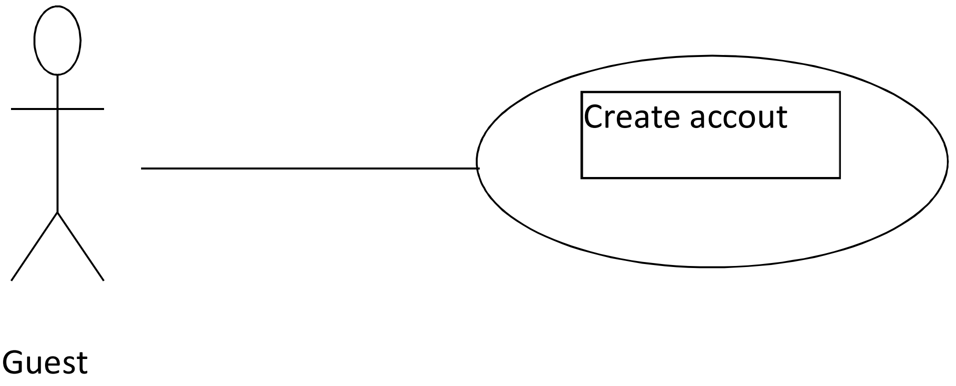


2.2 Functional Requirements Specification

2.2.1 guest Use Case

Use case: ***create account***

Diagram:



Brief Description

1. The system requests to create an account and log in to create an online reservation.

Initial Step-By-Step Description

Before this use case can be initiated, the guest has already accessed the Restaurant reservations system.

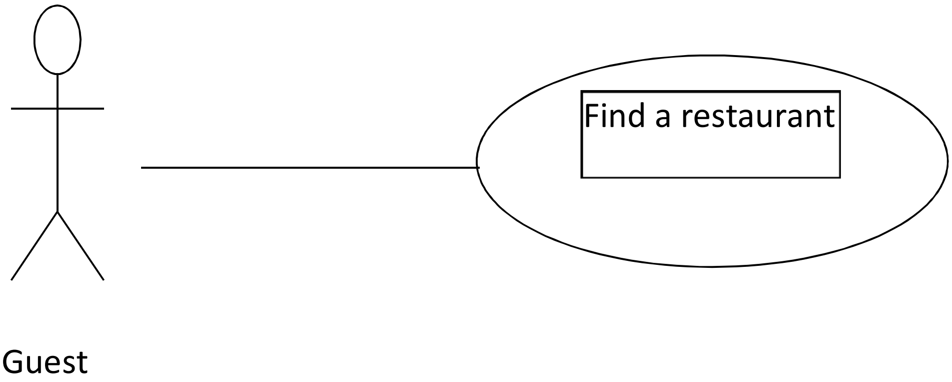
1. The system requests to create an account and log in to create an online reservation.

2. The system allows to the guest to enter his account, view his reservations, and update or cancel a reservation .

Xref: Section 3.2.1, create account

Use case: ***find aresturant***

Diagram:



Brief Description

2. The system allows the guest to see the set of restaurants available with all the information related to the restaurant and the all information which provided by the restaurant owner.

Initial Step-By-Step Description

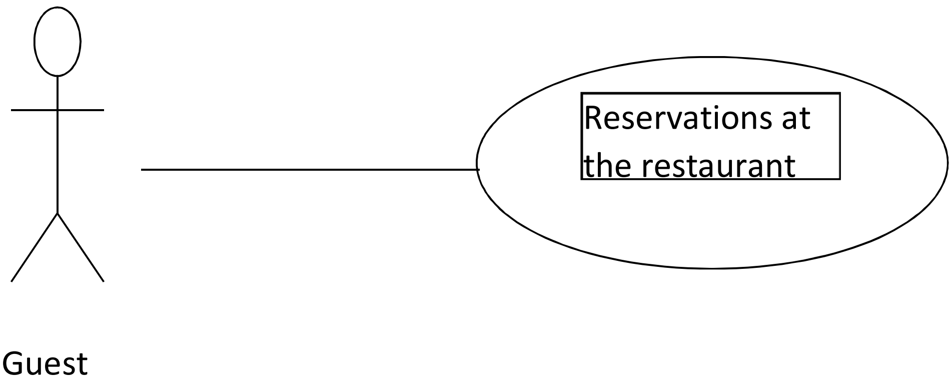
1. The guest chooses to search by restaurant name.
2. The system allows to the guest to filter restaurants according to (price and location).

3. The system displays the choices to the guest.
4. The guest selects the resturant desired.
4. The system provides the requested resturant.

Xref: Section 3.2.1, find a restaurant.

Use case: ***reservations at the resturant***

Diagram:



Brief Description

3. After selecting the restaurant by the host he makes a reservation.

4. Initial Step-By-Step Description

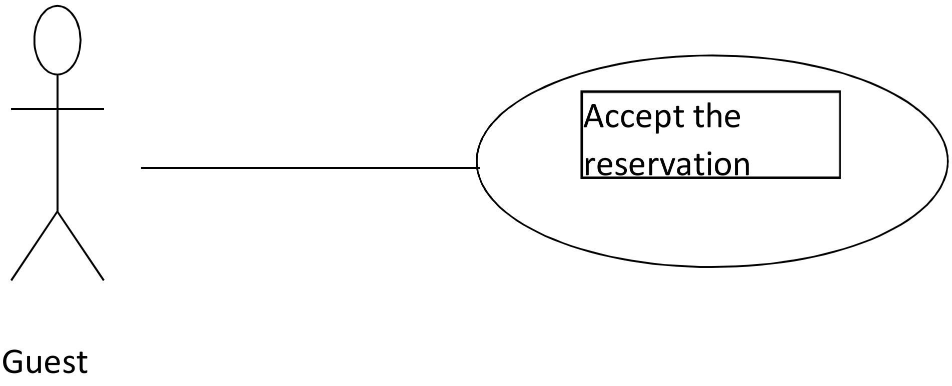
1. The system allows the guest after the Log-in process to create an online reservation in a restaurant. by specifying (number of people - reservation date - time of reservation).

2.waiting for a response from the system.

Xref: Section 3.2.1,reservations at the resturant.

*Use case: **accept the reservation.***

Diagram:



Brief Description

5. The system allows to the owner of restaurant to select the reservation status(Accept – Reject – No show).

6. Initial Step-By-Step Description

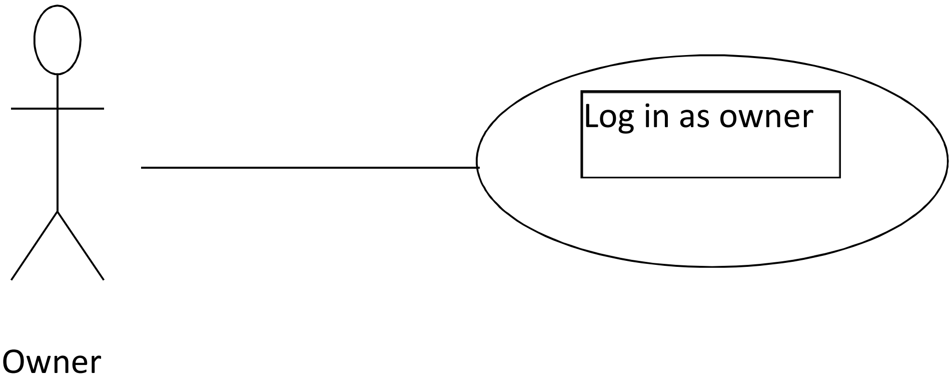
    1. the system determines the default status of the reservation as acceptable until the administration of restaurant of the restaurant determines the reservation status.
    2. sends a special email to the guest that includes the reservation status.

Xref: Section 3.2.1,accept the reservation.

2.2.2 owner Use Case

Use case: ***log in as owner.***

Diagram:



Brief Description

- The system allows owners of restaurant to create their own account, log in as an administrator.

Initial Step-By-Step Description

1. the system takes the data of the owner of restaurant and sends it to the administrator of the system to ensure the information is correct and recorded or rejected.
2. The system allows the system administrator to verify the information of the restaurant manager and send an email if confirmed

3. The system sends a confirmation message to the owner of restaurant if its information is confirmed.

Xref: Section 3.2.1, log in as owner.

*Use case: **update the information.***

Diagram:

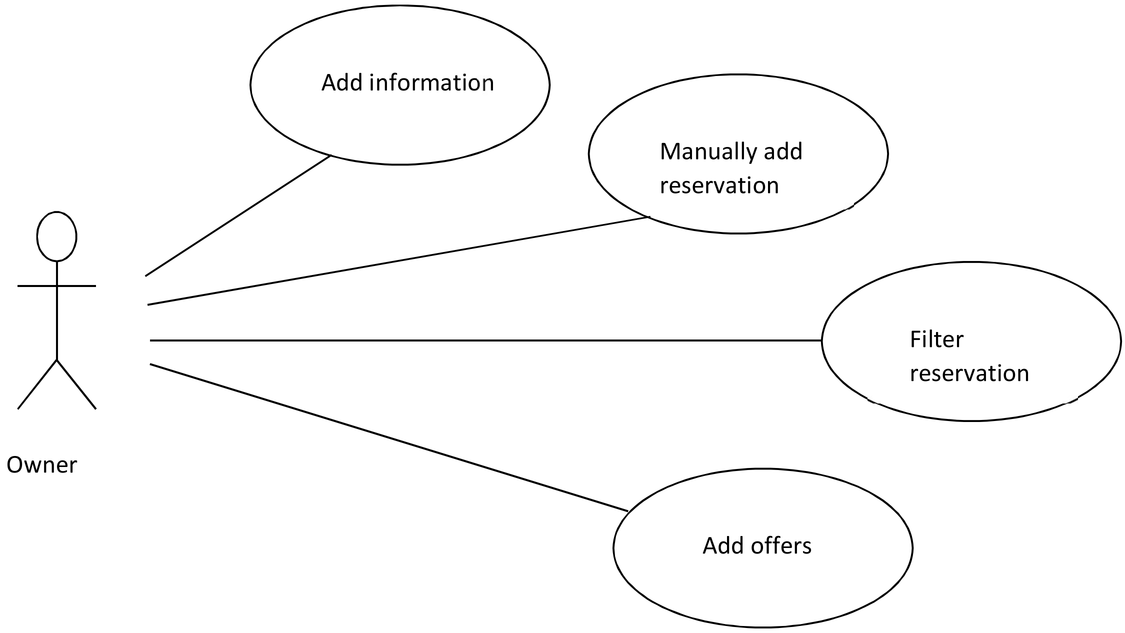


Figure 3 - Owner Use Cases

Brief Description

- It is designed to be used only by owner of restaurant, and provides the following functions:

Initial Step-By-Step Description

1. add information about his restaurant with the ability to delete and update it.

2. add new guest data (name - email - phone number ..) .

3. search for a specific guest and delete or update his data.

4. add a manual reservation by searching for the guest, logging in to his account, and creating a manual reservation (Offline).

5. add special offers or discounts for his restaurant with ability for update and delete.

6. filter reservations according to (guest - date - situation).

Xref: Section 3.2.1, update the information.

2.3 User Characteristics

The guest is expected to be Internet literate and be able to use a search engine.

The owner and administrator are expected to be Internet

literate and to be able to use email with attachments.

2.4 Non-Functional Requirements

guest’s information is protected.

Space : space is relatively small.

Performance : speed of response and lowest data consumption.

Usability : easy to use , simple and easy to handle interfaces.

3.0. Requirements Specification

3.1 External Interface Requirements

The only link to the external system is the link to a database in the system where the system database fields of interest to the host are the name of the restaurant the price of the items and the site.

3.2 functional requirements:

3.2.1 find a restaurant

Use Case Name	Find a resturaunt
XRef	Section 2.2.1, find a restaurant
Trigger	The guest assesses the system
Precondition	Log in to the system

Basic Path	1. The account is created by entering the name, phone number, email and password. 2. The first priority goes to the main page form where the interface selects the transition to the restaurant menu or offers list. 3. On the restaurant listing section, there will be a way to search for specific restaurants by name. 4. The guest can also filter restaurants by price and location.
Alternative Paths	In step 2, if the guest chooses the offers list an interface with the latest offers available in the restaurant on the system will appear for him.
Postcondition	The requested information has been displayed.
Exception Paths	The guest may abandon the search at any time.
Other	None.

3.2.2 Update information

Use Case Name	Update information.
XRef	Section 2.2.2 Update information
Trigger	The owner selects to update a restaurant or a guest is already in the database.
Precondition	the owner must be log in to the system as administrator.
Basic Path	1. The owner selects guest or restaurant. 2. The system creates and presents an alphabetical list of restaurant. 3. The owner selects a restaurant to update. 4. The system presents the database information in grid form for modification. 5. The owner updates the information and submits the form.
Alternative Paths	If the owner chooses to update the guest's information steps 1…5 will be repeated.
Postcondition	The database has been updated.
Exception Paths	If the guest or restaurant is not already in the database, the use case is abandoned. In addition, the Editor may abandon the operation at any time.
Other	None.s