

# Hotel Management System Project Documentation

## Chapter 1 - Introduction

### Project Context

Nowadays people live in a completely different life compared with years ago since the arrival of the technology. Technology is one of the main ways we change the world. Whenever, people meet up together for a several hours, they're going to require food, and beverages. This (*Online Hotel Management System Documentation Chapter 1*) hotel caters for parties like Birthday, Wedding, Anniversaries, Christening and Christmas parties. "The ultimate promise of technology is to make of a world that we command by the push of a button." (Volker Grassmuck).

The advancement of technology has revolutionized the way we do things. It has provided us with means to improves our lives and maximize our sources, time and effort. With the use of this technologies many transactions have become faster, more efficient, accurate and effectiveness to the management. Technology is important in today's world because it serves a variety of function in many of the most important aspects in modern society like communication, education and business.

The current system used by Alton Hotel is a paper-based system in all information of transaction are recorded and stored in a logbook. Operation it takes time to look for what they need and it is not efficient because the owner spends a lot of time in finding the record of the old transaction. They're going a lot of time in changing the records of transaction if the filled up with wrong information due to human error. According to the manager of the hotel, because they keep on doing their job manually, it resulted to a very messy office, lots of papers around the desks and information gathered, the proponents came up with an idea of proposing a system that is relevant to the needs of the hotel, highly efficient to meet their needs and most of all simple. They need to use our system to make easier with their business. The Alton's Hotel is located at Barangay 9 near Zaycoland Resort in Kabankalan City, Negros Occidental handled all logistics associated with food in a bucket, beverages and live band entertainment. The ambience of the place can refresh all the stress of every customer. They can enjoy the fresh air and feel relax. It can accommodate customers from time to time especially nearby places from Kabankalan City.

The proposed Alton Management System with Online Accommodate aims to organize data that computerized the process of managing their transaction and recording inventory of their food and beverages.

### General Objectives

The objective of the study is to develop on automated system and to replace the manual operation currently used by the Alton Hotel.

### Specific Objectives

This study aims to attain the following:

- To provide fast, efficient and reliable system by the way of managing the records of all their transaction.
- To evaluate the acceptability of proposed system.

### **Purpose and Description**

The purpose of the Online Alton Management System is to lessen paper works, reduce human errors and make sure that the customer satisfied the service rendered.

Online Alton's Management System is a computer-based system that enhances the productivity of their reservation services in terms of accommodate and adds for other information. They accept any reservation services in Alton's place only and they not catered outside for any services. The system is an internet based. The system is intended for Administrator, Organizer, and costumers. All users can view a list of menus through the website.

### **Scope and Limitation**

The **ONLINE ALTON MANAGEMENT SYSTEM** includes: Billing, Inventory, Website, and Accommodate. This system will change the manual system of the business in order for the user to work easier and provide faster transaction for the customer. It can produce an accurate and reliable report which includes print-outs of receipt for customer's payment and inventory of menu's, beverages, etc.

The system will only be manipulated by the authorized person like the owner or the personnel. An authorized person has a registered account in the system for the History of the system. Our study does not offer payroll system for the employees. The system does not accept a credits card.

### **Significance of the study**

The proposed system would improve the operational function of the hotel. This **Online Hotel Management System Documentation Chapter 1** will be beneficial to the following:

- **The Alton Hotel.** The system will provide automatic transaction to the hotel. It has a database to retrieve all the information needed in the transaction.
- **Owner.** Easy them to monitor and controlling their business.
- **Manager.** For they could trace all transaction efficiently all reports are accurate and it provide more reliable recording of sales of the hotel with comparison to its actual cost. In addition, the data needed by the company to decide matters in relation to inventory can be easily generated.
- **Cashier.** The system will do the operation in locating the customer by their account number during payment process and will use printer that print-out official receipt.
- **Customers.** Help them reduce time and effort in queuing at the cashier counter, it also provides security to their payments and records.

- **Researcher Future Researcher.** The proposed system will benefit the future researchers by making this as their future reference in conducting similar studies.

### **Definition of Terms**

These terminologies were gathered by the proponent for better and clearer understanding of the study.

- **Billing.** The process of making an official receipt.  
In this study, it is defined as the process of sending an official receipt to the customer.
- **Reservation.** Provides food and Beverages normally at the social events.  
In the study, it refers to the business of providing food services.
- **Database.** Allows data to be easily accessed, manipulated, updated and also used by an organization as a method of storing, managing and retrieving information.  
In this study, all the transactions in the hotel can be stored at the database.
- **Inventory.** A complete listing of all menus and utensils in the hotel, made every day by business concern.  
In this study, all the menus of the hotel can automatically monitor and to avoid over supplies.
- **Accommodate.** An arrangement made in advance to have a table available at a hotel. In this study, it refers to the advance booking of a table made by the customer.

## **Chapter 2 – Review of Related Literature**

### **LOCAL RELATED LITERATURE**

#### **Barrio Fiesta Hotel**

According to Ms. Evangelista Ongpauco, Manager Barrio Fiesta located at Sm North, Edsa with today's fast-paced world, finding time to have dinner is almost impossible. Most of the time you'd rather catching on some sleep or you're rushing finish last week's workload before this week rools in Hotel like Barrio Fiesta have made possible for families to come together, sit down to a good meal of Filipino. Vouchers are valid for dine in only. Barrio Fiesta Hotel also offers accommodate. Cancellation of Accommodate redeem vouchers within validity period will render the voucher invalid. (Shira Ongpauco, 2012).

#### **Sailes Diner Hotel**

According to Ms. Joy Santos and Ms. Irene Lalu (manager) of sales Diner Hotel, this located at Susano Road, Deparo Caloocan City. In terms of their reservation transaction, the hotels receive orders from the customer over the counter. Customer will choose their order in a printed display menu above the counter. Customer will receive a printed receipt after the order was made the customer will receive easily identify where they will give the cooked dish or meal. The hotels accept accommodate for parties and other reservation events customer must give a down

payment the hotel accept the accommodate for parties and other reservation events. (Joy Santos and Irene Lalu, 2014).

### **MJ Hotel**

According to Mr. Michael A. Sarapi general manager of MJ Hotel located at Sta. Cruz Manila, California Village, Novaliches Quezon City. In terms of reservation transaction, the hotel receives orders over the counter. The customer will choose their order in printed menu and go to the counter. The customer will give their order and their payment. After order was made the customer will receive a number the number service as their identification so that the waiter can easily identify where they will give the cooked dish or meal. The only computerized system their hotel is the reservation event. The customer must give a down payment. The hotel accepts accommodate for parties and other reservation events. Customer must give a down payment so that the accommodate will be accepted. (Michael Sarapi, 2012).

## **FOREIGN RELATED LITERATURE**

### **Flight Reservation**

According to Othman and Liawati, Flight reservation uses an inventory control which has the data level where the day-to-day business is organized. Activities here are data-driven and primarily concerned with short-term planning and recording events. Inventory control is concerned with maintaining the correct level of stock and recording. (Abu Othman and Nor Liawati, 2013)

### **Baggers Hotel**

According to Mr. Michael Mack owner of the Baggers Hotel they reinvented the hotel and overtaken the hotel of the first and second dimension (service and self- service hotel). Experience the state of art information technology in a hotel for the first time. Before placing the orders via touch screen, the customer can read about selected suppliers, the concept or attractive bonus system. Baggers hotel software offers hit list of other guests to ease their choice. And after dinner they can evaluate the meals, service or the ambience of the hotel, recommend us Via E-mail or SMS- The customer can do directly per touch screen at your seat. (Michael Mack, 2015).

### **Quick Staff**

According to Studios, Quick staff is a system which can help to schedule and organize the staff for the events/job with ease and speed. Their system contains the schedule and assigned task of their employees. (Adoro Studios, 2014)

## **LOCAL RELATED SYSTEM**

### **Hotel Reservation System**

According to Attias, an application is a better way for the customer to order what they want to and also it is the administrator trick in marketing their business. In this system, you can find where you can track all phone calls, meetings, order and activities through online/internet transaction. The similarities of the proposed system to the Hotel Reservation System is they have a connectivity, web-based, accommodate or reservation, and the differences is they catered

outside or other places but Alton can cater only at their hotel and they have an inventory of all the menu and utensils. (Michael Attias, 2017)

### **Max's Hotel Online Reservation System**

According to Maximo Gimenez owner of Max's Hotel Online displays different list of food and beverages provided with descriptions and how the food is being processed that determine the quantity that the customer wants to order. If patrons missed some order, it can update automatically by clicking the update food tray button. There's no need for patrons to count the bill for the payment because it will automatically count once the patron click the items they want. The similarities of the proposed system to the Max's Hotel are almost the same in terms of Connectivity, Website, Inventory, Accommodate and Gallery. (Maximo Gimenez, 2012)

### **Chownow Hotel Reservation System**

Chownow Hotel Reservation System, a web-based reservation system that offers user interface, is innovative and easy to navigate, so customers use the app again and again. With reservation platform large orders are made electronically so there's no room for error. Plus, the owner can set the minimum amount of warning time for kitchen. It sends data or information through Emails and Facebook. Chownow Hotel is similar to the proposed system in their Connectivity, Web-based and Gallery. The differences between the two systems is the Inventory and Accommodate not applied to Chownow Hotel Reservation System. (Ezra Adier, 2014)

## **FOREIGN RELATED SYSTEM**

### **VillaTronco Italian Hotel Online Accommodate and Reservation Website**

According to Carmella Villatronco, VillaTronco Italian Hotel is the oldest hotel in South Carolina. It has been owned and created by three generations of the Tronco family. They first introduced pizza to Columbia and are known to serve pasta and other authentic Italian food. They have an online accommodate and online reservation system which it can help to lessen the time and automate their accommodate and order. (Carmella Villatronco, 2016)

### **eZeeMenu of Digital Hotel Menu, eZeeTechnosys**

eZeeMenu works on both Apple and Android devices and it optimizes itself according to the screen size without breaking the experience for the guest or the staff. Restaurateurs can fully customize the menu, categorizing various menu groups and items so that customers do not have to scroll through list of items, making it easier for the customers to navigate and know exactly what they are looking for. Customers will love the one-touch browsing experience on the device of their choice or device of hotel's preference. This precision will save time of the hotels valuable customers and greatly enhance their overall service. (Pvt. Ltd., 2014)

### **Eveve Hotel Website**

According to Mark Reilly, Eveve Hotel System demand for tables exceeds availability, accommodate becomes necessary for discerning guests, who want to avoid wasting time for diners who are resource-rich and time poor. They also offer accommodates; their accommodate boosts the customer experience and maximize revenue for the hotel. (Mark Reilly, 2013)

**Table 1. Features and Comparison of Foreign and Local System**

RELATED PRIOR ARTS	FEATURES				
	Connectivity	Web-based	Inventory	Accommodate	Gallery
Hotel Reservation System	YES	YES	NO	YES	NO
Max's Hotel Online Reservation System	YES	YES	YES	YES	YES
Chownow Hotel Reservation System	YES	YES	NO	NO	YES
VillaTronco Website	YES	YES	NO	YES	NO
eZeeMenu of Digital Hotel	YES	YES	NO	NO	YES
Eevee Hotel Website	YES	YES	YES	YES	NO
Online Alton Management System	YES	YES	YES	YES	YES

## Chapter 3 - Methodology

This chapter discusses the overall study design and data analysis for the proposed Online Alton Management System, for development and understanding covering whole activities of the project. This includes the system development life cycle, requirements, system design, implementation, integration and testing, system deployment, and maintenance.

The design and methodology probably needed in any application or system as it serves as a basis for the development of the project. It also serves as a guide in following the step-by-step procedure. This could also help the users understand about the proposed system.

### SYSTEM DEVELOPMENT LIFE CYCLE (SDLC)

The system development life cycle, the purpose of this article is to develop an understanding of the system development lifecycle and its role in managing the development of digital library systems. It is very important in developing a project.

There is different model of this System Development Life cycle that helped the proponents; one of it is spiral model that helped the step-by-step procedure of this system.

### MODIFIED WATERFALL APPLICATION DEVELOPMENT METHODOLOGY

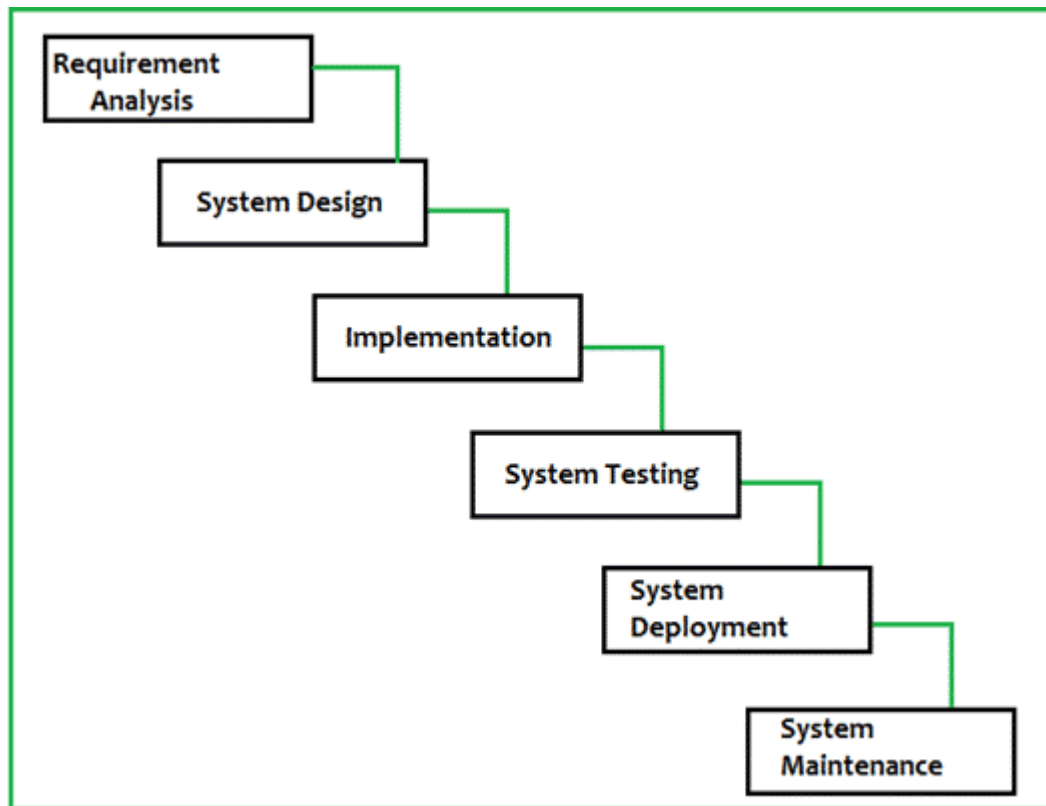


Figure 1: Modified Water fall Application Development Methodology

Figure 1: Shows of Water Fall Model is a breakdown of project activities into linear sequential phases, where each phase depends on the deliverables of the previous one and corresponds to a specialization of tasks. The approach is typical for certain areas of engineering design.

### **Requirements**

The proponents conducted an interview and gathered information to the owner of Online Alton's Services that is suitable of our system for the processed and to identify the constraints dependencies suggestion included of our proposed system.

### **System Design**

In this phase, the proponents regulate additional analysis of the system to get a better appropriate design for the proposed system. The final system is constructed. Based on the developed of system design. The proponents also apply their plan on how handy their system will be used with different disposition and perception. The proponents defined the important features of the proposed system and cooperate the source coding that will be used in the system.

### **Implementation**

In this phase, the proponents should estimate the system carefully to make sure that the proposed system will operate well. The proponents need to apprise, test and debug the system performance until project is fully operated.

### **Integration and Testing**

In this phase, the proponents make sure that the users review and if there is any problem or bugs on the system the proponents will go back to analysis phase to fix the problem.

### **System Deployment**

In this phase, the proponents make sure that the functional testing is done of our proposed system so that the client does not aspect some difficult during the installation of the software.

### **Maintenance**

In this phase also includes control the remaining that may exist in the software even after the testing phase, and enhance the system to what client wants to improve in they also keep system alive.



## Online Alton's Management System Use Case Model

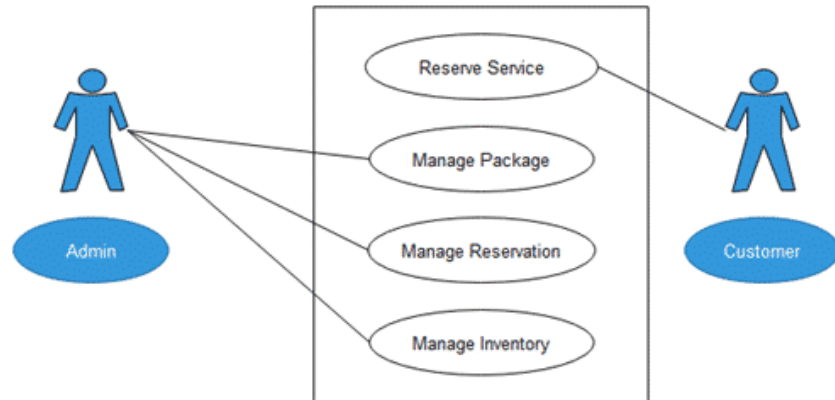


Figure 2: Online Alton's Management System Use Case Diagram

Figure 2: Shows the Online Alton Management System use case diagram illustrates the interaction between the user and the system.

### Reserve Service

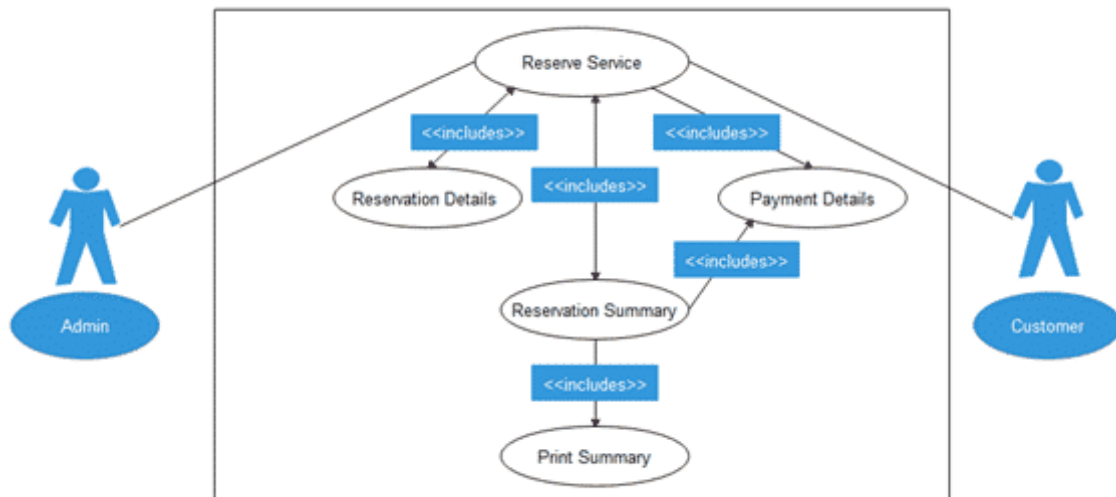


Figure 3: Online Alton's Management System Use Case Diagram

### Use Case Description

Figure 3: The table below describe the function, condition and alternative flows to be met of all the entities used in the use case diagram.

**Table 2: Reserve service**

<b>Use Case Name:</b>	Reserve Service	
<b>Actors:</b>	Admin and Customer	
<b>Description:</b>	This use case describes how the Admin can manage this system	
<b>Pre-conditions:</b>	Admin and Customer can choose menus in Online Alton's Management System.	
<b>Post-conditions:</b>	Admin and Customer has received an information and acknowledgement from the system if the transaction is successful or if not, complete a message explaining the failure	
<b>Normal Flow:</b>	Actor	System
	1.Admin and Customer, can view all the customer information  2.Admin can provide all the details of this system  3.Admin can manage the reservation list of the customer  4.Admin can manage the payment details  5.Admin can delete the reservation	1. 1 System can display a information 2.2 System can provide details of the system 3.3 System can manage all the reservation 4.4 System can manage the payment details 5.5 System can delete the reservation
<b>Alternative Flows:</b>	1.1 Updating of menu failed, display an error message and go to step 1.  2.2 Adding of new menu failed, display a message box that explains why the process failed, and go to step 2.  3.3 Deletion of menu failed, display an error message and go to step 5.	
<b>Business Rules:</b>	4. Reserve Service information validation script/code conditions	

## Manage Package

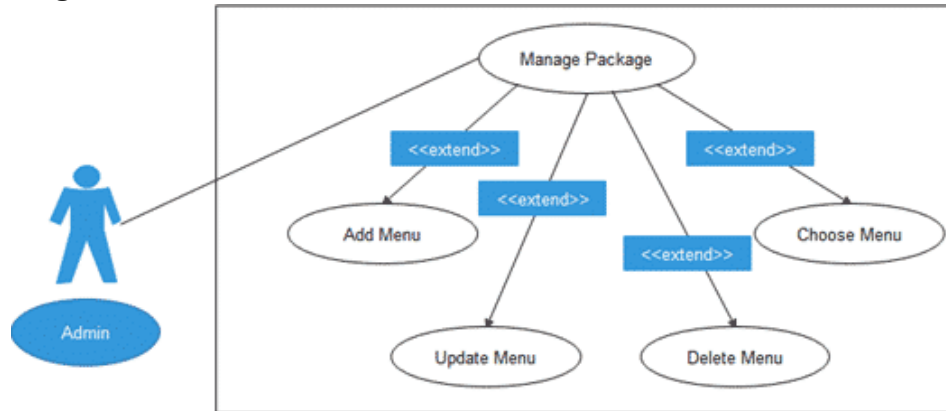


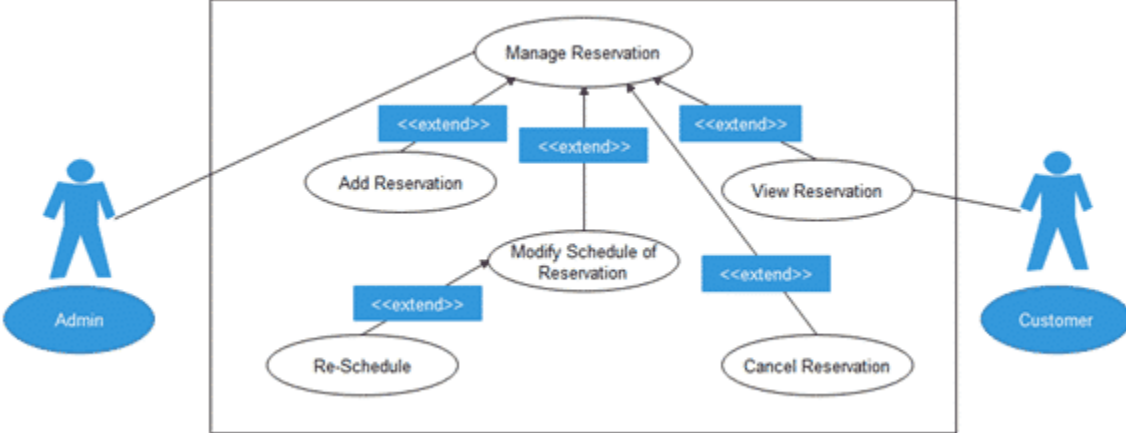
Figure 4: Online Alton's Management System Use Case Diagram

Figure 4: Shows the Online Alton Management System use case diagram illustrates the flow on how the admin manage packages.

Table 3: Manage Package

<b>Use Case Name:</b>	Manage Package	
<b>Actors:</b>	Admin	
<b>Description:</b>	This use case describes how the Admin manage all the menus in this system.	
<b>Pre-conditions:</b>	Administrator and Customer can choose menus in Online Alton's Management System.	
<b>Post-conditions:</b>	Administrator and Customer has received an information and acknowledgement from the system if the transaction is successful or if not, complete a message explaining the failure	
<b>Normal Flow:</b>	<b>Actor</b>	<b>System</b>
	1.Admin and Customer can view all the menu of this system 2.Admin can add and update the menu 3.Admin can choose the menu 4.Admin can manage all the packages of this system 5.Admin can delete the menu	1. 1 System can display a menu 2.2 System can add and update the all the menu 3.3 System can choose all the menu 4.4 System can manage all the packages. 5.5 System can delete the menu
<b>Alternative Flows:</b>	1.1 Updating of menu failed, display an error message and go to step 1. 2.2 Adding of new menu failed, display a message box that explains why the process failed, and go to step 2. 3.3 Deletion of menu failed, display an error message and go to step 5.	
<b>Business Rules:</b>	4.Manage Package information validation script/code conditions	

**Manage Accommodate**



*Figure 5: Online Alton’s Management System Use Case Diagram*

Figure 5: Shows the Online Alton Management System use case diagram illustrates the interaction between the user and the admin.

**Table 4: Manage Accomodate**

<b>Use Case Name:</b>	Manage Reservation	
<b>Actors:</b>	Admin and Customer	
<b>Description:</b>	This use case describes how the Admin manage all the reservation in this system.	
<b>Pre-conditions:</b>	Admin and Customer can reserve schedule in Online Alton's Management System.	
<b>Post-conditions:</b>	Admin and Customer has received an information and acknowledgement from the system if the transaction is successful or if not, complete a message explaining the failure	
<b>Normal Flow:</b>	Actor	System
	1. Admin can add reservation. 2. Admin select time and date 3. Admin selects modify scheduled reservation 4. Admin selects Re-Schedule reservation. 5. Admin cancels delete action. 6. Customer can view packages of the restaurant. 7. Customer can set a schedule of their reservation. 8. Admin can cancel all the reservation	1.1 System display reservation scheduled 2.1 System checks for conflicting schedule 3.1 System schedule the reservation and sends and acknowledgement back to the administrator. 4.1 System display the Re-schedule reservation 5.1 System display delete schedule reservation 6.1 System deletes a selected scheduled reservation, and update schedule and sends acknowledgement back to the administrator. 7.1 System display packages so that customer can choose what they want. 8.1 System set schedule of reservation.
<b>Alternative Flows:</b>	2.1 Conflict in schedule , and go to step 2 4.1 Re-schedule of reservation, go to step 5 5.1 Deletion of schedule reservation failed, display an error message that explains why the process failed and go to step 6	
<b>Business Rules:</b>	2.1 Manage Reservation information validation script/code conditions	



**Table 5: Manage Inventory**

<b>Use Case Name:</b>	Manage Inventory	
<b>Actors:</b>	Admin	
<b>Description:</b>	This use case describes how the admin can manages the inventory by checking stock level, and updating stock information.	
<b>Pre-conditions:</b>	Admin can monitor their stocks and supplies in Online Alton 's Management System.	
<b>Post-conditions:</b>	Admin and Customer has received an information and acknowledgement from the system if the transaction is successful or if not, complete a message explaining the failure	
<b>Normal Flow:</b>	<b>Actor</b>	<b>System</b>
	<ol style="list-style-type: none"> <li>1. The Admin selects stock level.</li> <li>2. The Admin checks under stock and over stock menu.</li> <li>3. The Admin view stock.</li> <li>4. The Admin can update stock information.</li> <li>5. The Admin can input supplier.</li> <li>6. The Admin and Customer has received an acknowledgement from the system that a course has been modified, or if not, a message explaining the failure.</li> <li>6. The Admin deletes Stocks.</li> <li>7. The Admin cancel or delete an action.</li> </ol>	<ol style="list-style-type: none"> <li>1.1 System displays stock information with stock level form.</li> <li>2.1 System displays all the list of stocks and the stock level information.</li> <li>3.1 System can display the stock to the admin.</li> <li>4.1 System update list of stocks and their prices.</li> <li>5.1 System validates entry and sends an acknowledgement back to the owner.</li> <li>6.1 System prompt user for deletion.</li> <li>7.1 System can delete the stocks.</li> </ol>
<b>Alternative Flows:</b>	<ol style="list-style-type: none"> <li>4.1 Updating of stocks information failed, display an error message and go to step 4.</li> <li>5.1 Adding of supplier failed, display an error message and go to step</li> <li>6.1 Deleting of menus failed, display an error message and go to step 6.</li> </ol>	
<b>Business Rules:</b>	2.1 Manage Inventory information script/code condition.	

### Activity Diagram

The illustration below shows the activity diagram of all the buttons in Online Alton's Management System that shows the workflow of the events in the activity and it is used to detail every situation in the system during the execution of the said activities.

### Activity Diagram for Menu and Accommodate (Client)

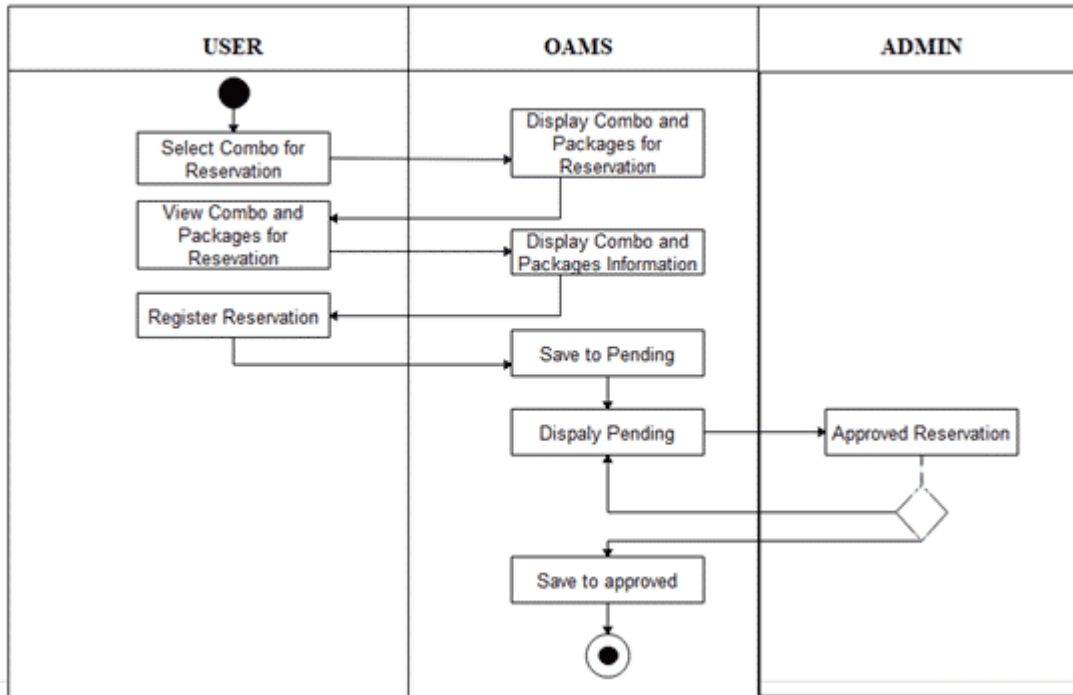


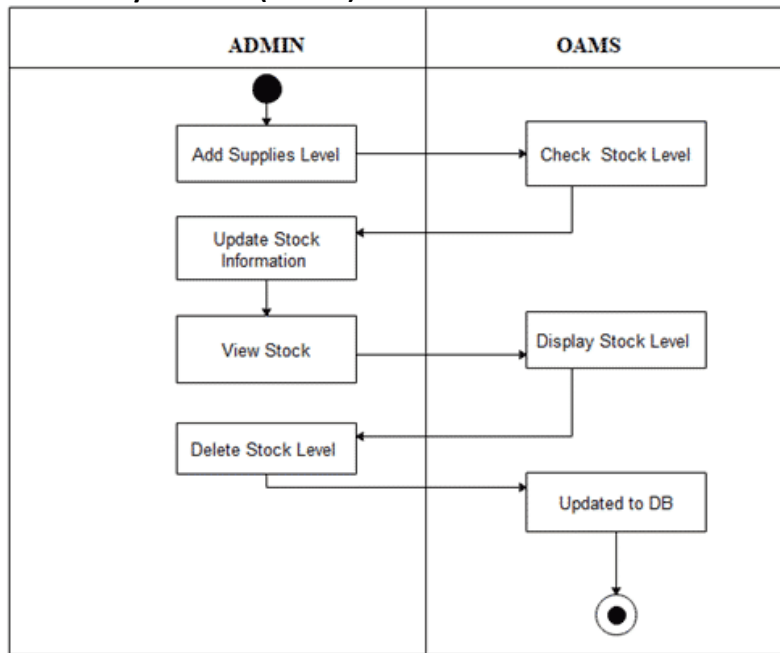
Figure 7: Online Alton's Management System Activity Diagram

Shows the execution of activities when the user clicks the registration. The system will display the form.

The illustration below shows the activity diagram of all the buttons in Online Alton's Management System that shows the workflow of the events in the activity and it is used to detail every situation in the system during the execution of the said activities.



**Activity Diagram for Inventory of Items (Admin)**

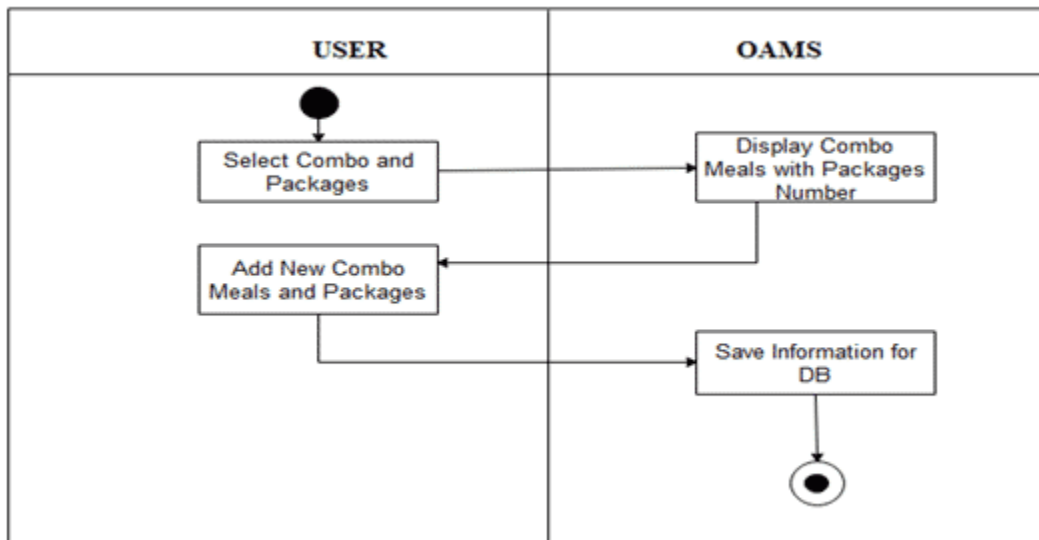


*Figure 8: Online Alton’s Management System Activity Diagram*

Shows the execution of activities when the user clicks the inventory button. The system will display the item information.

The illustration below shows the activity diagram of all the buttons in Online Alton’s Management System that shows the workflow of the events in the activity and it is used to detail every situation in the system during the execution of the said activities.

**Activity Diagram for Manage Package (Admin)**



*Figure 9: Online Alton’s Management System Activity Diagram*

Shows the execution of activities when the user clicks the Manage Package. The system will display the item information.

### Context Diagram

The Context Diagram of Online Alton's Management System represented below shows the flow of the system throughout the system process. It shows what information could be input, where the data goes, and how it is stored.

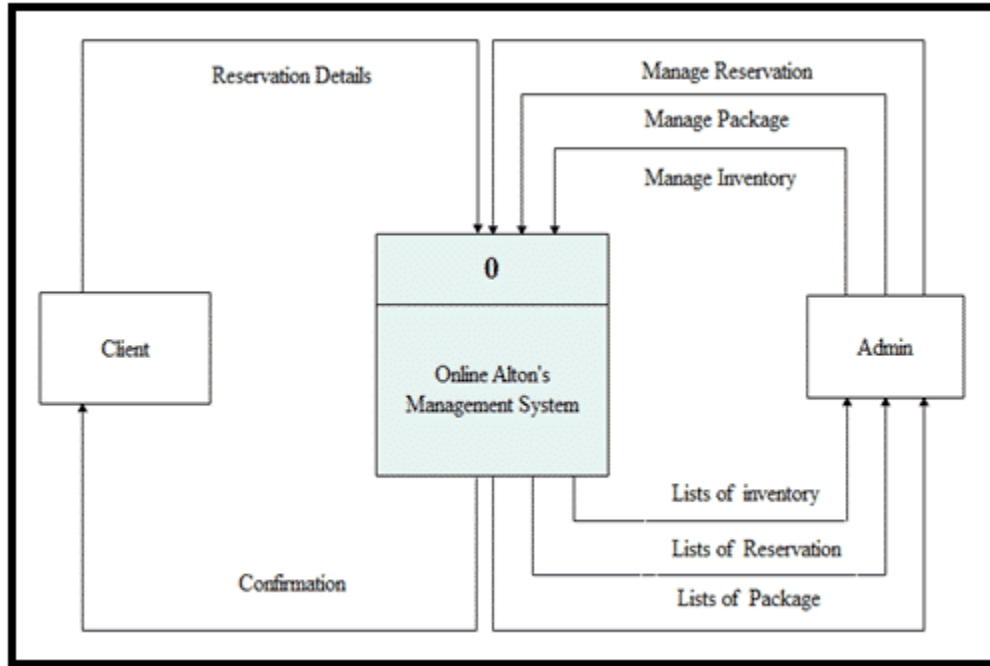


Figure 10: Online Alton's Management System Context Diagram

Shows the sequence of the system, the decision and result made by the users.

## Data Flow Diagram

The Data Flow Diagram below shows the data flow diagram of the proposed system. It shows all the process and function on how to operate the system.

### Level 0 Data Flow Diagram

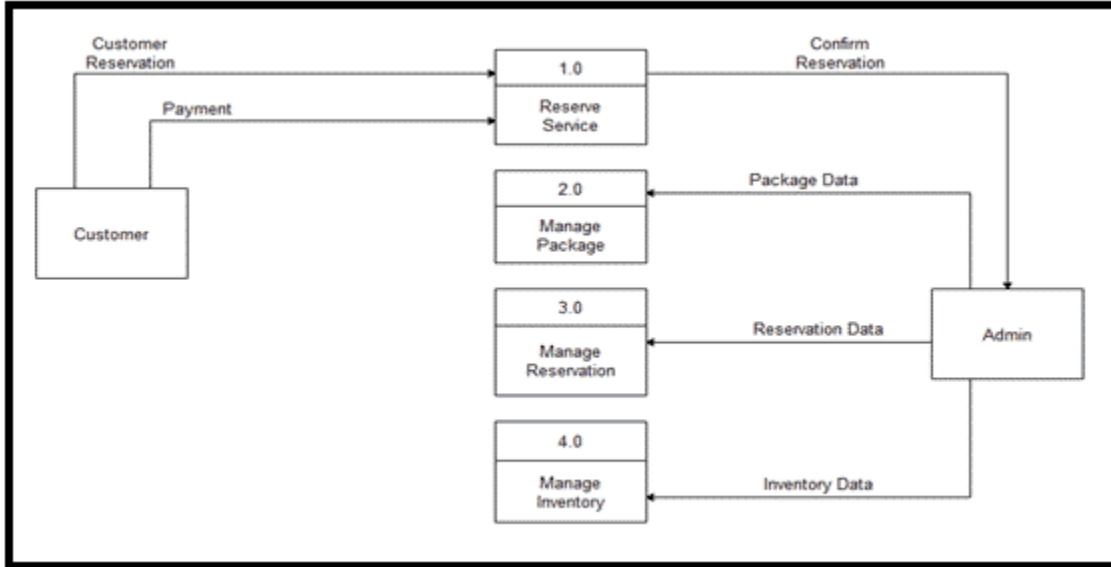


Figure 11: Online Alton's Management System Data Flow Diagram

Data Flow Diagram of Alton's Management System is represented above shows the flow of the system throughout the operating process.

### Level 1 Reserve Service DFD

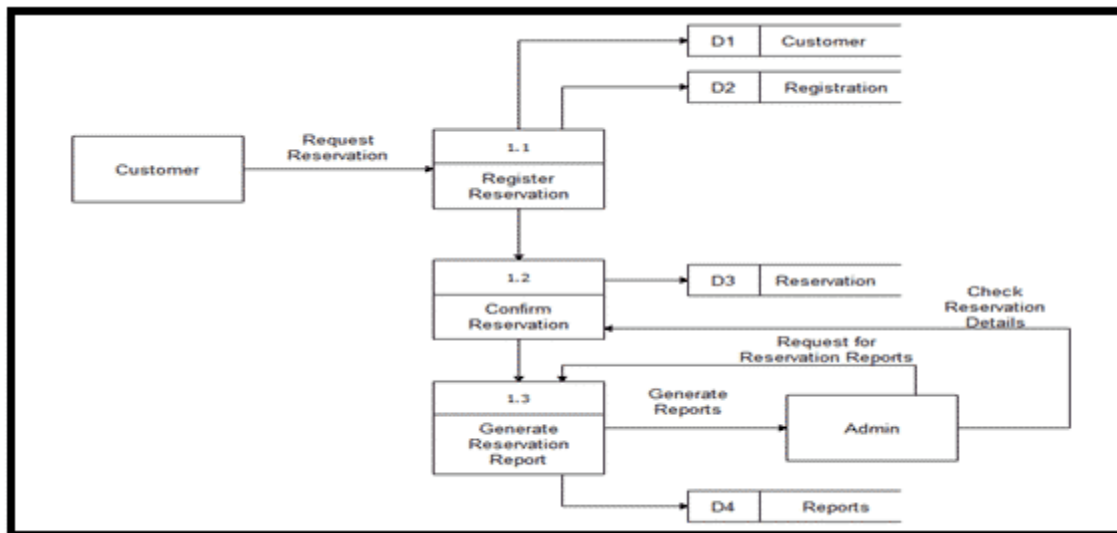


Figure 12: Online Alton's Management System Data Flow Diagram

Data Flow Diagram of Alton's Management System is represented above shows the flow of the Reserve Service.

### Level 1 Manage Package DFD

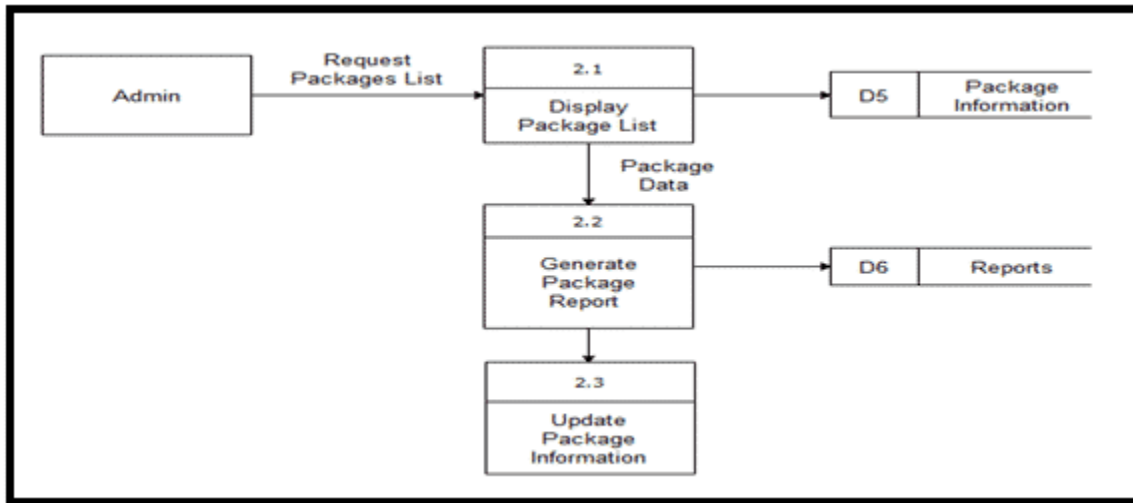


Figure 13: Online Alton's Management System Data Flow Diagram

Data Flow Diagram of Alton's Management System is represented above shows the flow of the system of the manage system.

### Level 1 Manage Accommodate DFD

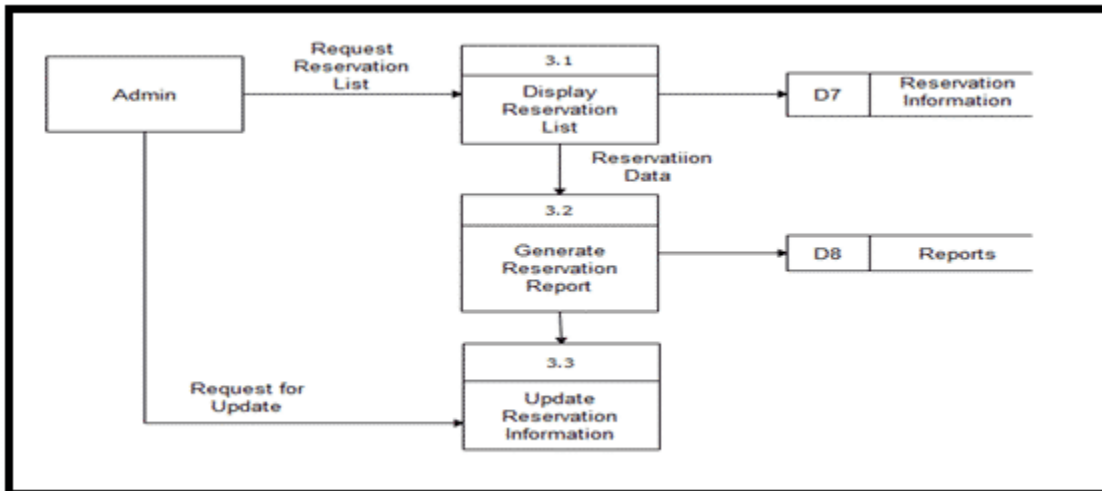


Figure 14: Online Alton's Management System Data Flow Diagram

Data Flow Diagram of Alton's Management System is represented above shows the flow of the system Manage Accommodate.

### Level 1 Manage Inventory DFD

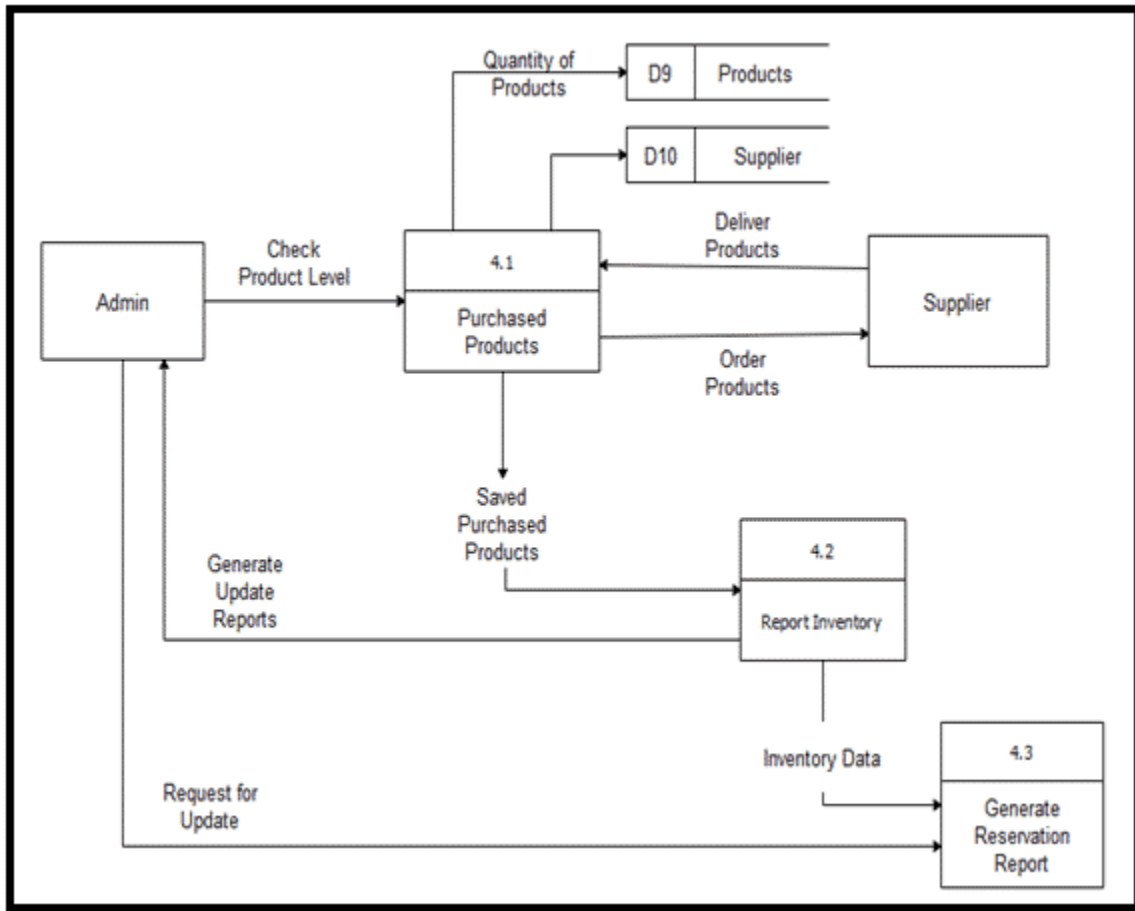


Figure 15: Online Alton's Management System Data Flow Diagram

Data Flow Diagram of Alton's Management System is represented above shows the flow of the system of Manage Inventory.

## Entity Relationship Diagram

The Entity Relationship Diagram of Online Alton's Management System shows the relationship of entity sets stored in a database. It indicates the logical structures of each database.

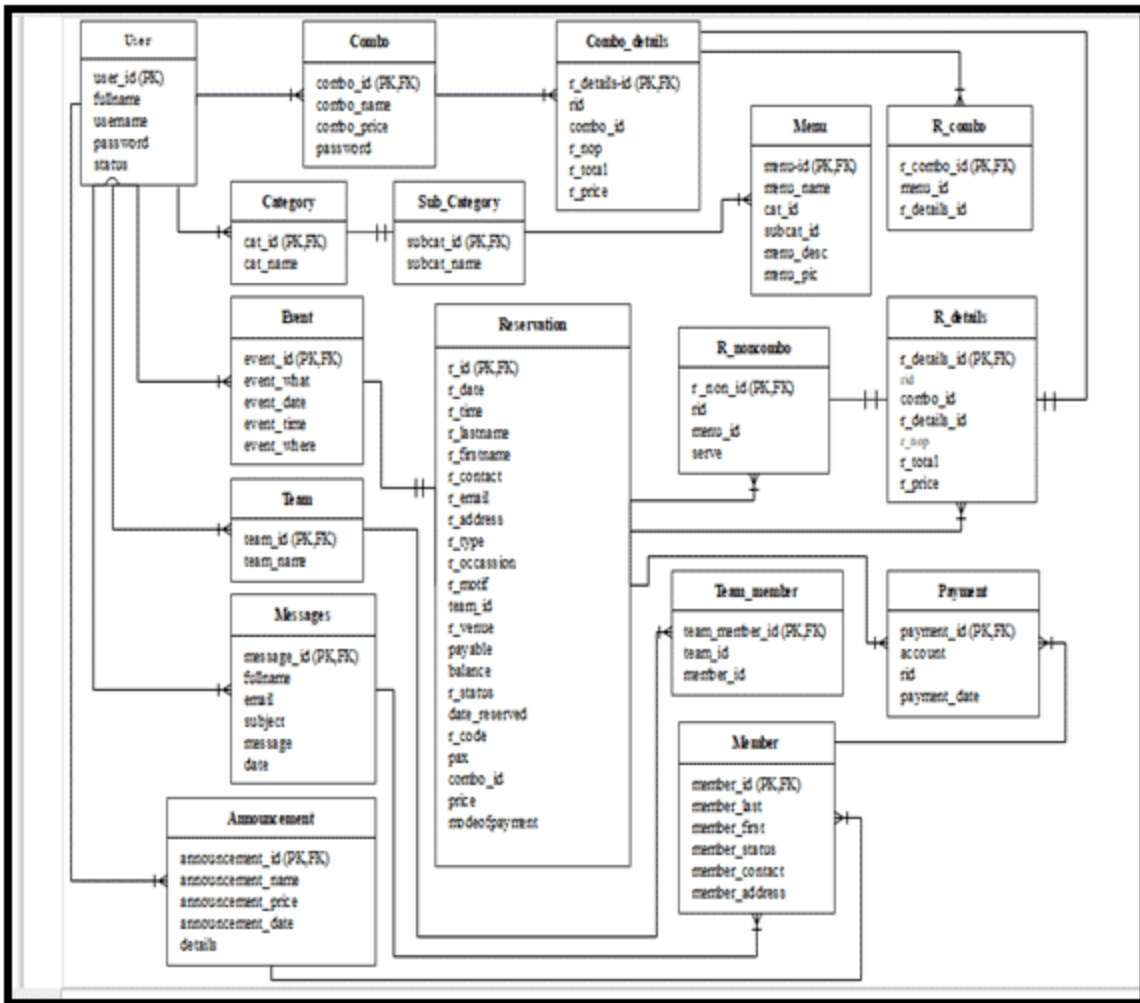


Figure 16: Online Alton's Management System Entity Relationship Diagram

Shows the relationship of entity sets stored in a database of Online Alton's Management System.

Data Dictionary

**Table 6: List of Admin Accounts Table of Online Alton Management System**

Field Name	Description	Type	Length
user_id	Primary Key	Integer,PK	Auto_increment
fullname	Name of User	Varchar	255
username	Username	Varchar	255
password	Password	Varchar	255
status	Status	Varchar	255

**Table 7: Combo Table of Online Alton Management System**

Table of the Combo

Field Name	Description	Type	Length
combo_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
combo_name	Name of Combo	Varchar	255
combo_price	Username	Varchar	255

**Table 8: Combo Details Table of Online Alton Management System**

Table of the Combo

Field Name	Description	Type	Length
combo_details_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
combo_id	Combo ID	Varchar	255
menu_id	Menu ID	Varchar	255

**Table 9: Category Name Table of Online Alton Management System**

Table of the Category

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
cat_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
cat_name	Category Name	Varchar	255

**Table 10: Menu Table of Online Alton Management System**

Table of the Menu

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
menu_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
menu_name	Menu Name	Varchar	255
cat_id	Category ID	Integer	11
subcat_name	Subcategory Name	Varchar	255
menu_desc	Menu Description	Varchar	255
menu_price	Menu Price	Varchar	255
menu_pic	Menu Picture	BLOB	

**Table 11: r\_Combo Table of Online Alton Management System**

Table of the r\_Combo

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
r_combo_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
menu_id	Menu ID	Integer	11
r_details_id	Reservation Details	Integer	11



**Table 12: Team Name Table of Online Alton Management System**

Table of the Team

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
team_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
team_name	Team Name	Varchar	255

**Table 13: Team Member Name Table of Online Alton Management System**

Table of the Team Member

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
team_member_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
team_id	Team ID	Integer	11
member_id	Member ID	Integer	11

**Table 14: Member Name Table of Online Alton Management System**

Table of the Member

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
member_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
member_last	Member Lastname	Varchar	255
member_first	Member Firstname	Varchar	255
member_status	Status	Varchar	255
member_contact	Contact Number	Varchar	255
member_address	Address	Varchar	255

Table of the Event

Table 15: Event Table of Online Alton Management System

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
event_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
event_what	Kind of Event	Varchar	255
event_date	Date of Event	Date	
event_time	Time of Event	Time	
event_where	Event Place	Varchar	255

**Table of the Accommodate**

Table 16: Accommodate Table of Online Alton Management System

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
rid	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
r_date	Date of Reservation	Varchar	255
r_time	Time of Reservation	Date	
r_last	Member Lastname	Time	
r_first	Member Firstname	Varchar	255
r_contact	Contact Number	Varchar	255
r_email	Email Address	Varchar	255
r_address	Address	Varchar	255
r_type	Type of Foods Storage	Varchar	255
r_occasions	Kinds of Occasion	Varchar	255
r_motif	Color of Occasion	Varchar	255
team_id	Team ID	Integer	11
r_venue	Event of Venue	Varchar	255
payable	Payable	Decimal	
balance	Balance	Decimal	
r_status	Status of Reservation	Varchar	255
date_reserved	Date Reserved	Date	
r_code	Code Reserved	Varchar	255
pax	Kind of Package	Integer	11
combo_id	Combo ID	Integer	11
price	Price of Reservation	Decimal	
modeofpayment	Kind of Payment	Varchar	255

**Table of the r\_Noncombo**

Table 17: r\_Noncombo Table of Online Alton Management System

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
r_non_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
rid	Reserved ID	Integer	11
menu_id	Menu ID	Integer	11
Serve	Serve	Integer	11

**Table of the r\_combo**

Table 18: r\_combo Table of Online Alton Management System

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
r_details_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
rid	Reserved ID	Integer	11
combo_id	Combo ID	Integer	11
r_nop	Number of Packages	Integer	11
r_total	Total Payment	Decimal	
r_price	Total Price	Decimal	

**Table of the Message**

Table 19: Messages Table of Online Alton Management System

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
message_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
fullname	Fullname	Varchar	255
email	Email	Varchar	255
subject	Subject	Varchar	255
message	Message	Varchar	255
date	Date	Date	

**Table of the Payment**

Table 20: Payment Table of Online Alton Management System

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
payment_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
amount	Amount	Integer	11
rid	Reservation ID	Integer	11
payment_date	Date of Payment	Date	

**Table of the Announcement**

Table 21: Announcement Table of Online Alton Management System

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>
announcement_id	Primary Key, Foreign Key	Integer,PK,FK	Auto_increment
announce_name	Event Name	Varchar	255
announce_place	Event Place	Varchar	255
announce_date	Date of Event	Varchar	255
details	Event Details	Varchar	255

### Architectural Framework

Architectural Diagram shows the process of Online Alton Management System. The user interacts with the system through a computer, every action made by the user such as typing or inputting words.

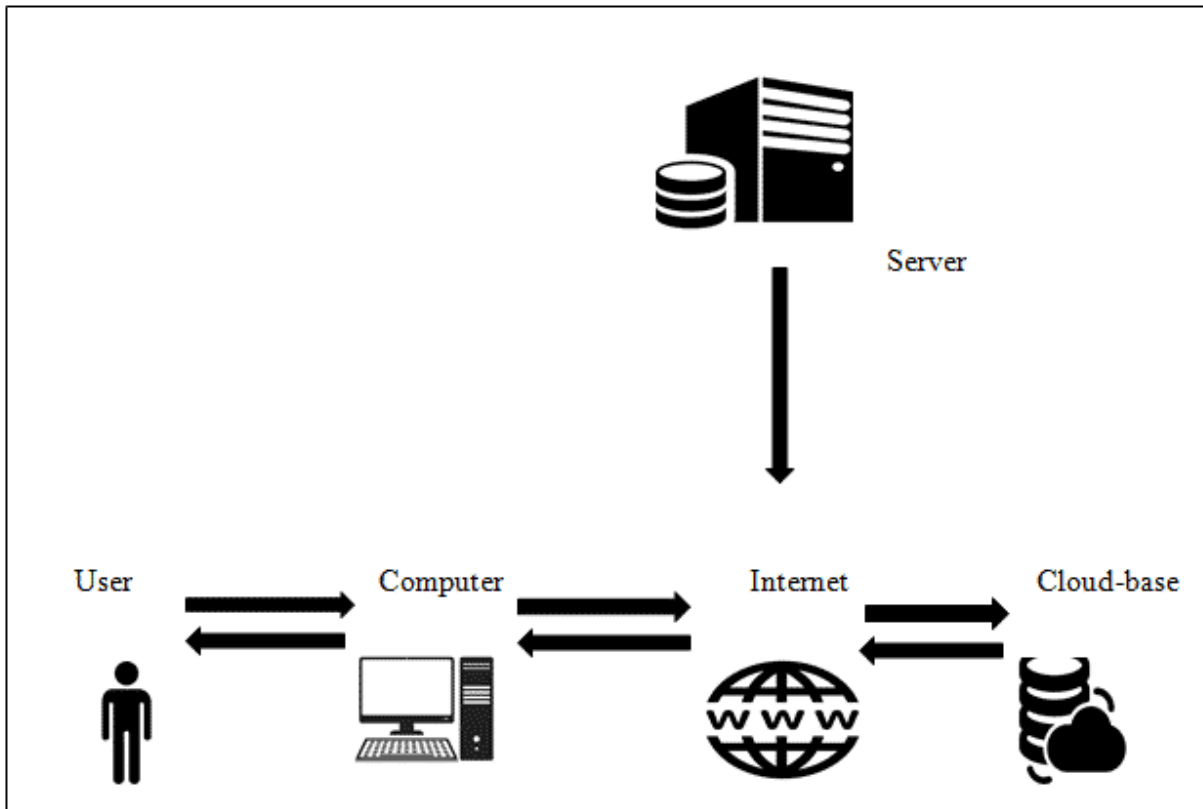


Figure 17: Online Alton's Management System Architectural Diagram

This shows the interaction of the user, the computer, the internet, the cloud-based database and the server. The user accessed the system to the computer through an internet and the information comes from the cloud-based database that is uploaded by the server through an internet.