

# PROJECT PROFILE

## ❖ Project Profile

**Project Name:** Local Tourism App

**Type of Application:** iPhone Application

### **Project Description:**

Local Tourism App is an application that showing tourism information in your local area such as attractions, hotels, restaurants, and shopping places. You can easily customize this application as per your conveniences.

**Team Size:** 1

### **Project Information:**

<b>Definition:</b>	Local Tourism App
<b>Platform:</b>	iOS
<b>Frontend:</b>	X code / Objective c / ASP.NET
<b>Backend:</b>	MS-SQL Server Management Studio 2008 R2
<b>Designing Tool:</b>	Photoshop CS4, GIMP 3.0, draw.io
<b>Developed By:</b>	Chauhan Sanket H. (13MCAL006)

# INTRODUCTION TO TOOLS

## ❖ Introduction to Tools

### ➤ **Front End Tool:**

Xcode is Apple Inc.'s Integrated Development Environment (IDE) for developing applications and other software for Mac OS X. First released in 2003, it is shipped free with Mac OS X 10.3, but is able to develop OS X applications that can run on any version of OS X. It extends and replaces Apple's earlier tool, Project Builder, which was inherited from NeXT. However, Xcode officially does not work in Mac OS X 10.2.

Xcode works hand in hand with Interface Builder (also inherited from NeXT), a graphical tool used to create user interfaces.

Xcode includes GCC, and can compile C, C++, Objective C++, Java, and Objective C source code with a variety of programming models, including but not limited to Cocoa, Carbon, and Java.).

<b>Developers</b>	Apple Inc.
<b>Stable release</b>	6.1.1 (6A2008a) (December 2, 2014)
<b>Preview release</b>	6.2 beta 5 (6C121) (February 2, 2015)
<b>Operating system</b>	Mac OS X 10.3 (Version 1.x) Mac OS X 10.4 (Version 2.x) Mac OS X 10.5 (Versions 2.5, 3.0, 3.1) Mac OS X 10.6 (Versions 3.2, 4.0, 4.1) Mac OS X 10.7 (Versions 4.1, 4.2, 4.3, 4.4, 4.5, 4.6) OS X 10.8 (Version 4.4, 4.5, 4.6, 5.x) OS X 10.9 (Version 5.x, 6.x) OS X 10.10 (Version 6.x)
<b>Type</b>	Integrated Development Environment (IDE)
<b>License</b>	Freeware with open source components
<b>Website</b>	<a href="http://www.developer.apple.com/xcode">www.developer.apple.com/xcode</a>

## **Objective-C:**

Objective-C is a general-purpose, object-oriented programming language that adds Smalltalk-style messaging to the C programming language. It is the main programming language used by Apple for the OS X and iOS operating systems, and their respective application programming interfaces (APIs), Cocoa and Cocoa Touch.

The programming language Objective-C was originally developed in the early 1980s. It was selected as the main language used by Next for its NeXTSTEP operating system, from which OS X and iOS are derived.<sup>[2]</sup> Generic Objective-C programs that do not use the Cocoa or Cocoa Touch libraries, or those using parts that may be ported or re-implemented for other systems, can also be compiled for any system supported by GCC or Clang.

## ➤ **Back End Tool:**

Microsoft SQL Server is a relational database management system developed by Microsoft. As a database, it is a software product whose primary function is to store and retrieve data as requested by other software applications, be it those on the same computer or those running on another computer across a network (including the Internet). There are at least a dozen different editions of Microsoft SQL Server aimed at different audiences and for workloads ranging from small single-machine applications to large Internet-facing applications with many concurrent users. Its primary query languages are T-SQL and ANSI SQL.

# SYSTEM STUDY

## ❖ **System Study:**

### ➤ **Existing System:**

#### ✓ **Study of current system.**

- In the present system only one city details are inserted. So, user can access only that city attraction, hotels information, and other places.

#### ✓ **Problems and weakness of the system.**

- Cannot run this application without internet.
- Only single user can accessible.
- Difficult to find one or more location.
- Sometime difficult to manage user activity.

➤ **Proposed System:**

- ✓ In this system different modules are available which all Uses are as an activity in this mobile application project or system, these modules are as follows:

- ✓ Login
- ✓ Registration
- ✓ Attraction
- ✓ Hotels
- ✓ Restaurant
- ✓ Shopping
- ✓ Theatres
- ✓ Transportation
- ✓ About



### ➤ **Scope of the Proposed System:**

- ✓ This iPhone application is used to find users current location using Google map or apple map. User can easily reach own location by selecting application preferred attraction or other places.
  - ✓ This application is very useful for unknown person in the city.
  - ✓ The following are the major operations in this application.
- 
- User can use first time this application, registration is required.
  - User can login using own username and password.
  - User can select hotels and easily reach their addresses using apple map.
  - User can select restaurant category and easily reach their addresses using apple map.
  - User can select attraction category wise such as museum, historical places, temples and garden & lake, and easily reach their using perfect addresses and apple map.
  - User can select shopping malls inside the city and reach their using address or apple map.
  - User can select theaters inside the city and reach their using address or apple map.
  - User can select transportation such as bus station, railway station, and airport inside the city and reach their using address or apple map.

➤ **Aim and Objective of the Proposed System:**

- ✓ In this application user can easily re-arranging everywhere.
- ✓ An Unknown person can easily reach their own address or places using addresses or apple map.
- ✓ User can easily find own current location.

➤ **Application feature:**

- Welcome slider for all items
- List of places to show
- Easy to find location and information for places
- Good GUI for attractions of places
- Get Directions and Places on the map
- Find the current location using apple map

## ❖ **Feasibility Study:-**

- **Operational Feasibility:** The application working is quite easy to use and learn due to its simple but attractive interface. User requires no special training for operating the application.
- **Technical Feasibility:** The technical requirement for the application is economic and it does not use any other additional Hardware and Software, but this application runs on only apples product such as iPhone, iPad and consists of iOS. The system can be expanded by adding new feature if necessary in future.
- **Economical Feasibility:** The application being developed is economic with respect to user point of view. The result obtained contains minimum errors and are highly accurate as the data is required. Deploy this application at that time apples term and conditions are follow, and developer must have unique apple ID and their product licenses.

# SYSTEM ANALYSIS

## ❖ System Analysis:

### ➤ Requirement Specification:

During implementation the following tools have been used to develop the application and perform necessary testing.

Windows Operating System	Apple MAC OS X
Intel Core series Processor with 2.30GHz	2 * 2.19 GHz Processor
4 GB DDR RAM	4 GB DDR RAM
50 GB Free Hard disk Space	30 GB Free HD Space
Windows 7 or latest version OS	MAC OS X 10.7 or latest version OS
VM Ware Workstation 10.10	X Code (version depends on your MAC OS X version)
Microsoft Visual Studio 2010	SQLite Browser
Microsoft Database Studio 2008 R2	MESA SQLite TOOL
Microsoft Office	
Adobe Photoshop CS4	
GIMP 3.0	

## ➤ **System Modules**

### ▪ **Admin Modules**

#### 1. **Login**

Admin can changes in admin side website that time login in required.

#### 2. **Manage State/City**

Admin can add, update or delete state and city information using this module.

#### 3. **Manage Place**

Admin can add, update and delete place information using this module.

#### 4. **Manage Category**

Admin can add, update and delete category information using this module.

#### 5. **Manage Sub-category**

Admin can add, update and delete sub-category information using this module.

#### 6. **Manage Users**

Admin can block or unblock users, connected this application using this module.

▪ **Client Modules**

**1. Registration**

User can use this iPhone application first time at that time user registration is required using this module.

**2. Login**

If user registration has been completed then user can login this module.

**3. Hotel**

User can see list of hotels information, address, and hotel location using this module.

**4. Restaurant**

User can see list of restaurant information, address, and restaurant Location using this module.

**5. Attraction**

User can see list of attraction information, address, and location category wise using this module.

**6. Shopping**

User can see list of shopping mall information, address, and location category wise using this module.

**7. Theaters**

User can see list of theaters information, address, and location using this module.

**8. Transportation**

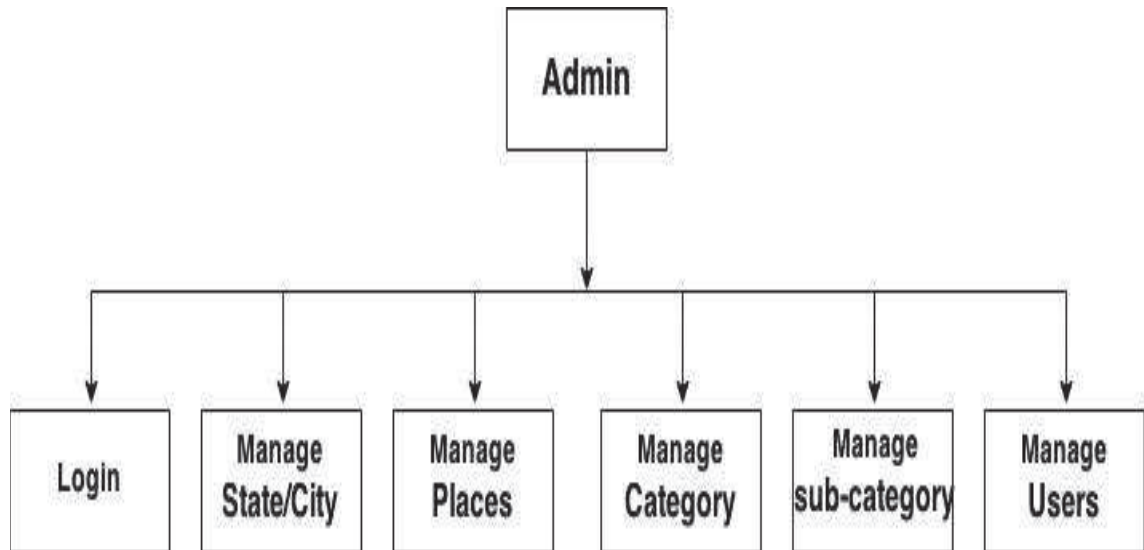
User can see list of transportation information, address, and location category wise using this module.

# DIAGRAMS

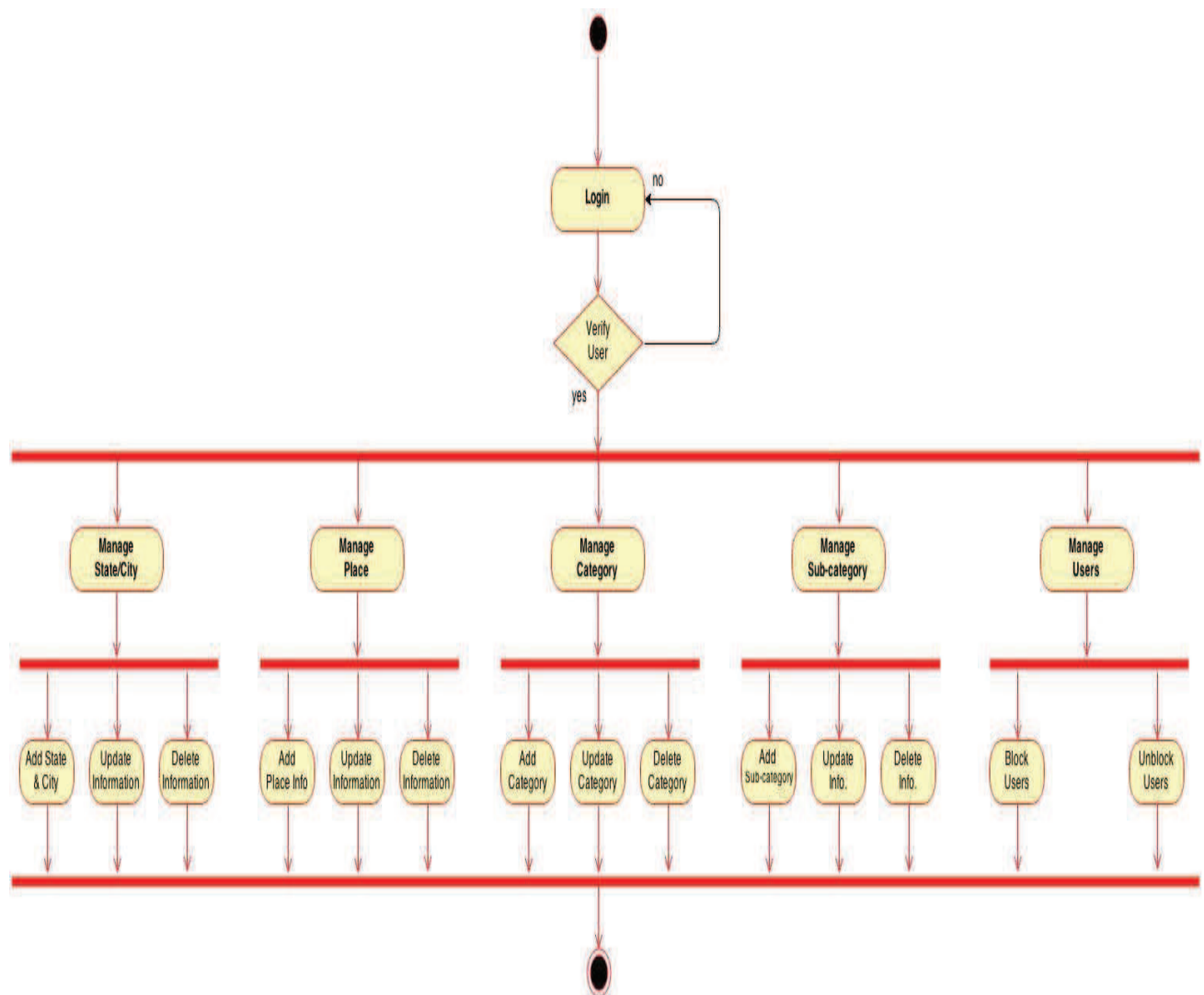


# ADMIN SIDE DIAGRAMS

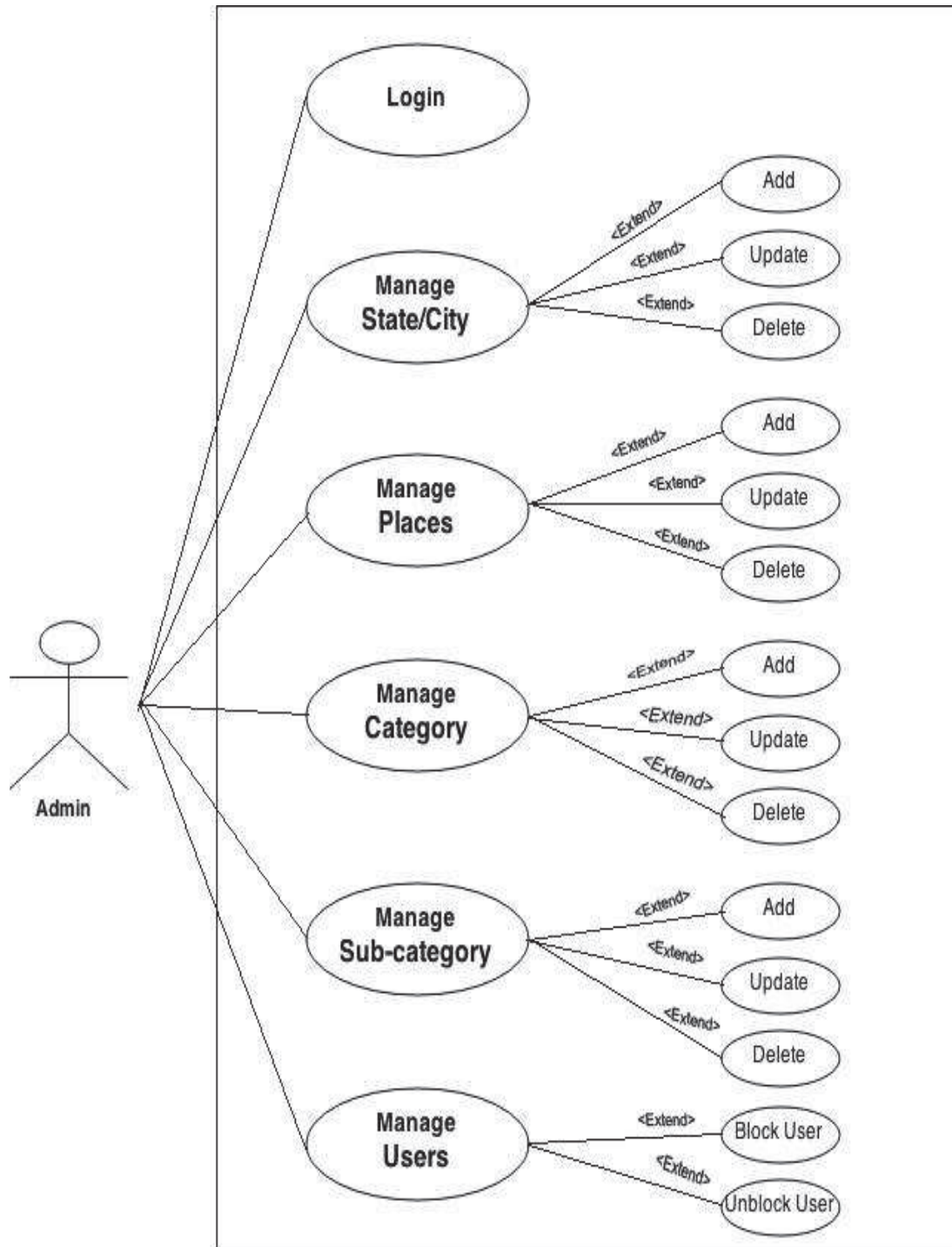
➤ **Module Hierarchies**



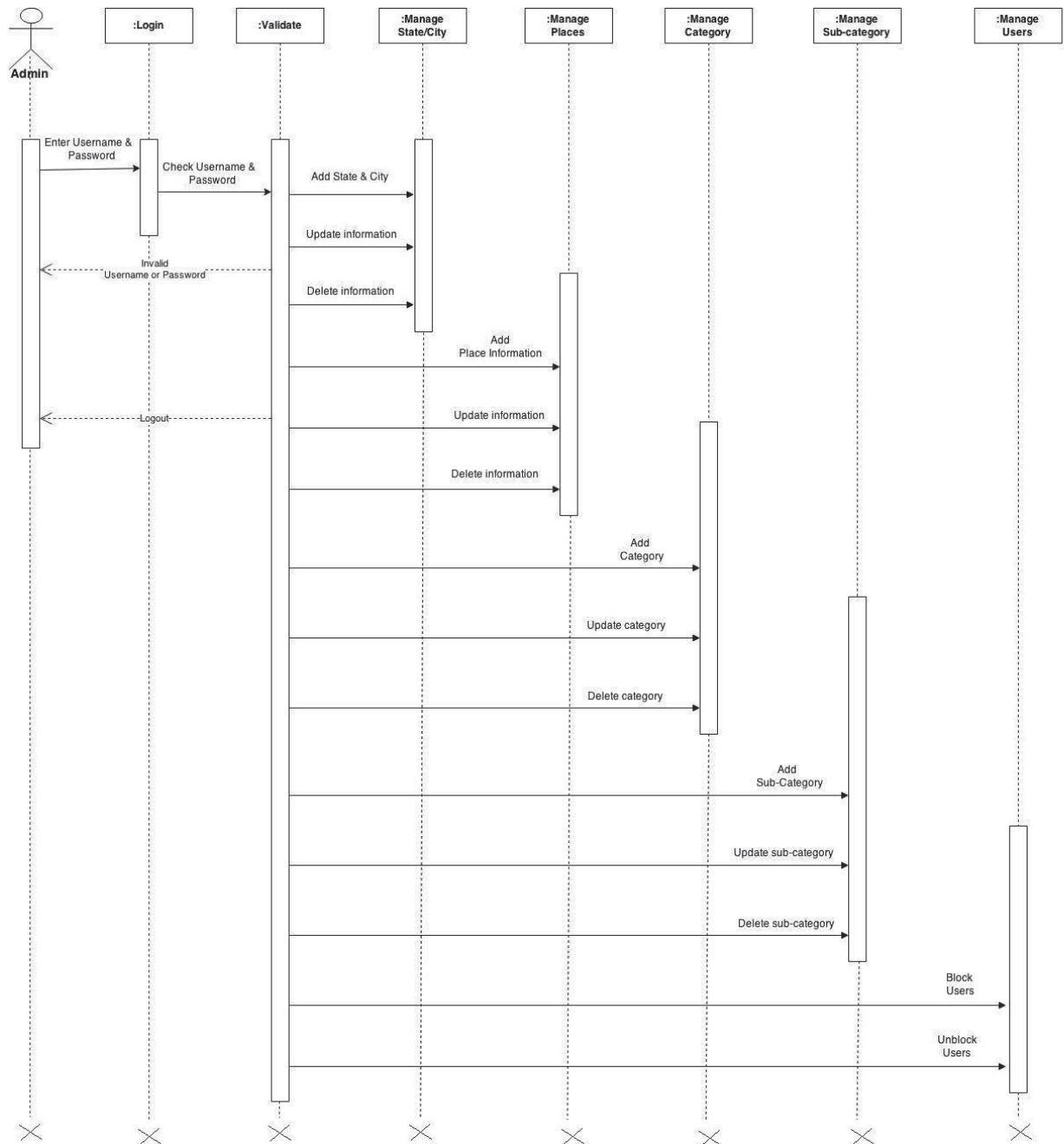
## ➤ Activity Diagram



## ➤ Usecase Diagram

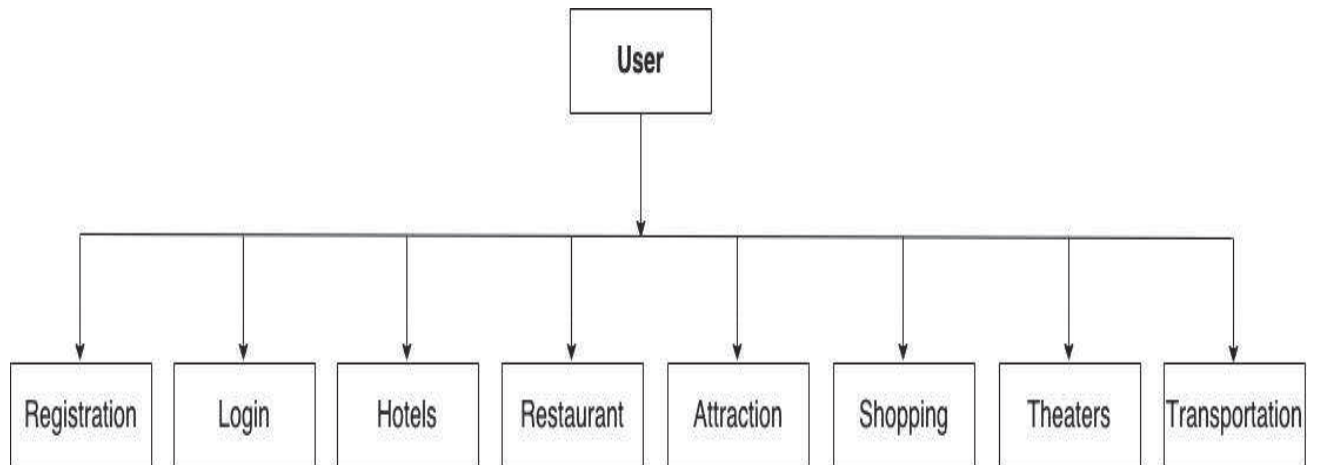


## ➤ Sequence Diagram

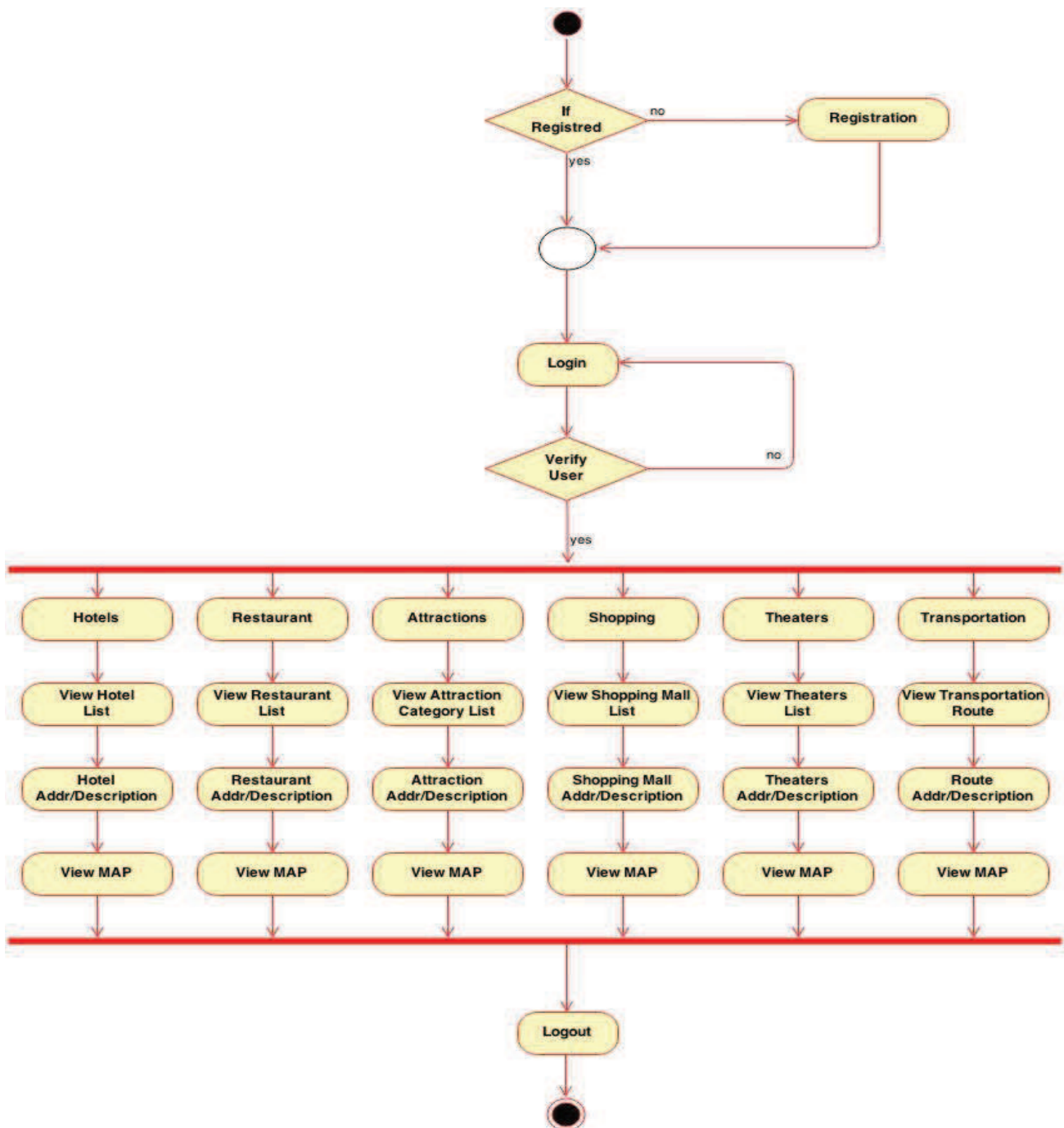


# CLIENT SIDE DIAGRAMS

## ➤ Module Hierarchies

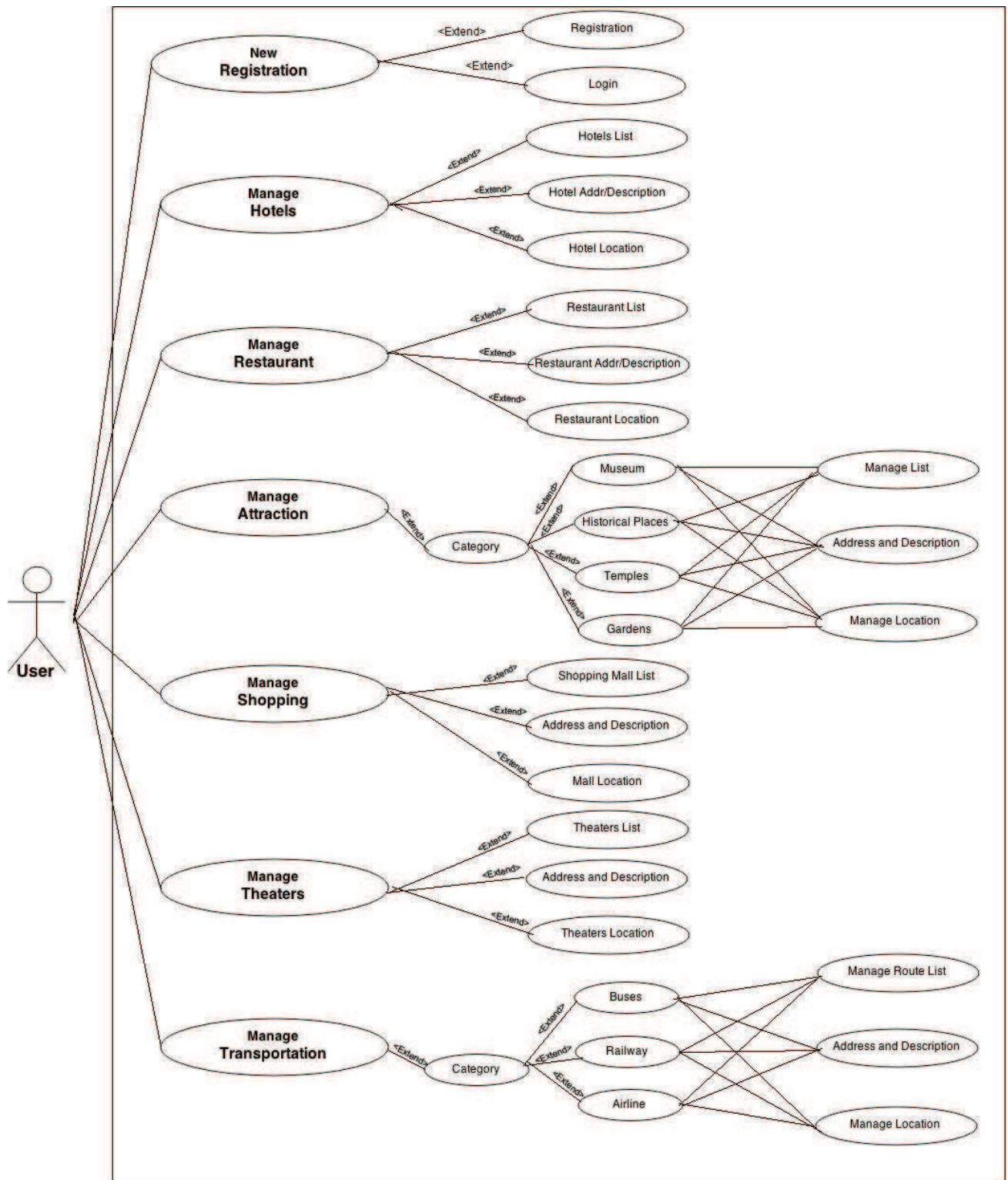


## ➤ Activity Diagram

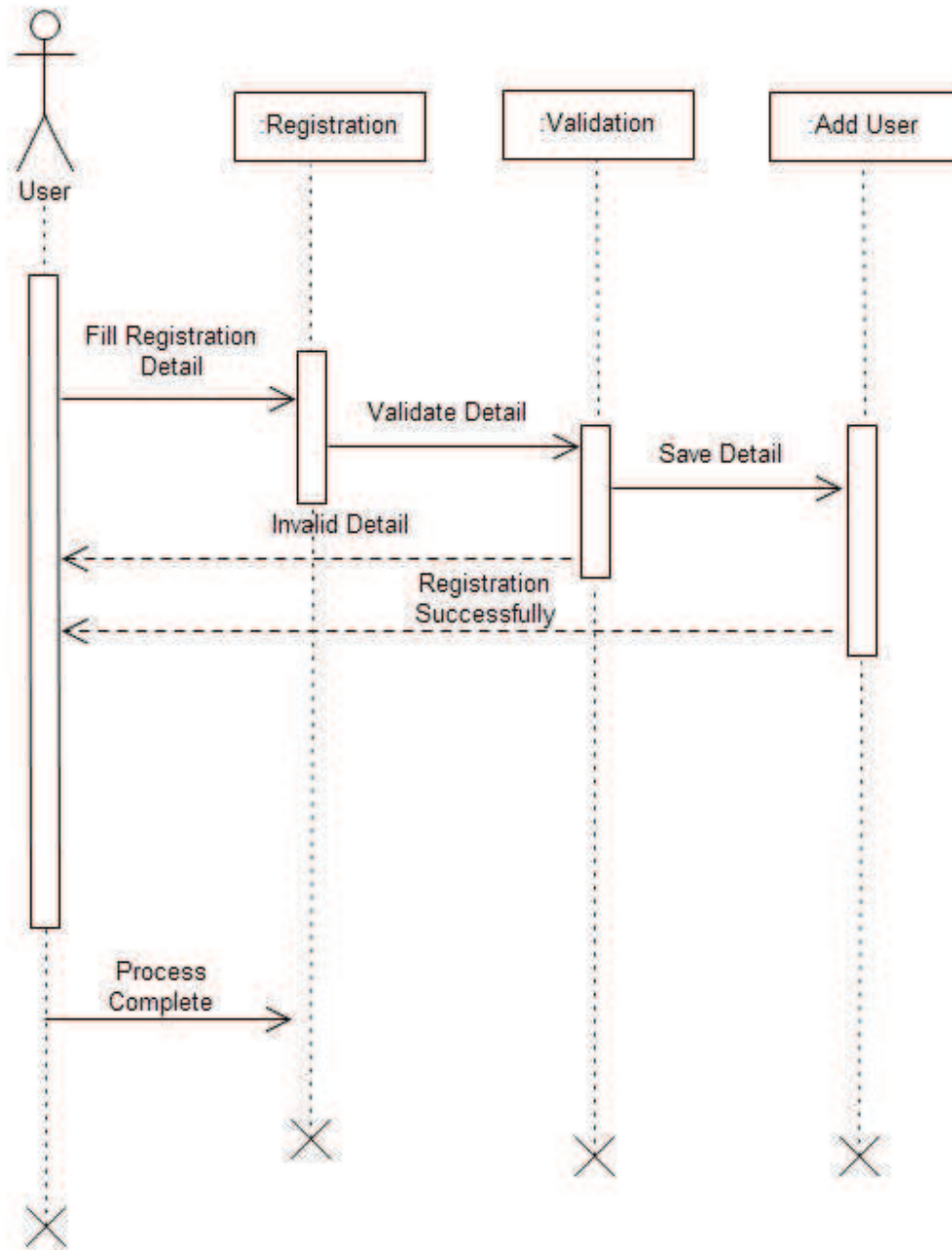




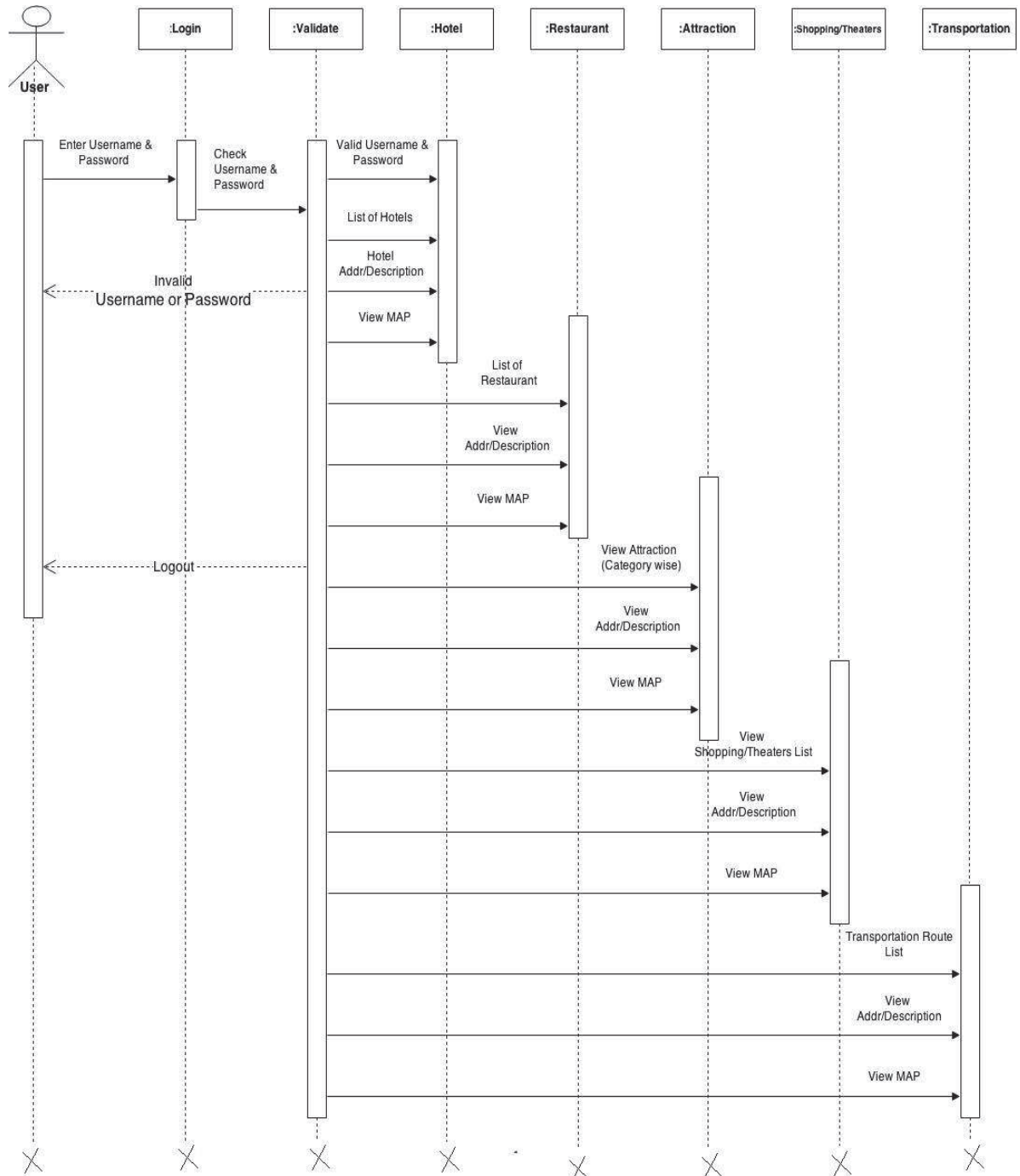
## ➤ Usecase Diagram



### ➤ Sequence (User Registration) Diagram



## ➤ Sequence Diagram



# SYSTEM DESIGN

# DATA DICTIONARY

## ❖ Data Dictionary:

### ➤ Place Master

Column Name	Data type	Constraint	Description
Placid	Integer	Primary Key	Unique Place ID. It is auto increment field
Place category	Integer	Not Null	Cannot be left blank
Place sub-category	Integer	Not Null	Cannot be left blank
Place name	varchar(100)	Not Null	Cannot be left blank
Place state	Integer	Not Null	Cannot be left blank
Place city	Integer	Not Null	Cannot be left blank
Place address	varchar(MAX)	Not Null	Cannot be left blank
Place photo	varchar(200)	Not Null	Cannot be left blank
Place description	varchar(MAX)	Not Null	Cannot be left blank

#### Sample Data

p_id	p_cat	p_subcat	p_nm	p_st	p_ct	p_addr	p_photo	p_desc
1	9	14	Kankaria Lake	1	8	Ahmedabad	localhost/upload/12192015091937PP.jpg	Refreshing Location for all age ...
2	9	15	Auto World Vint...	1	8	House of Mahavi...	localhost/upload/12222015092227sam Final.jpg	Vintage and Classic Cars collect...
3	9	14	Sabarmati Riverf...	1	8	A	localhost/upload/12252015092545Aakhri Alvida...	A

### ➤ State Master

Column Name	Data type	Constraint	Description
State id	Integer	Primary Key	Unique State ID. It is auto increment field
State name	varchar(50)	Not Null	Cannot be left blank

#### Sample Data

st_id	st_nm
1	Gujarat
2	Maharashtra

## ➤ City Master

Column Name	Data type	Constraint	Description
City id	Integer	Primary Key	Unique city ID. It is auto increment field
City name	varchar(50)	Not Null	Cannot be left blank
State id	Integer	Foreign Key	Cannot be left blank

### Sample Data

ct_id	ct_nm	s_id
1	Surendranagar	1
2	Rajkot	1
3	Surat	1
4	Jamnagar	1
5	Baroda	1
6	Pune	2
7	Nagpur	2
8	Ahmedabad	1
9	Morbi	1

## ➤ Category Master

Column Name	Data type	Constraint	Description
Category id	Integer	Primary Key	Unique category ID. It is auto increment field
Category name	varchar(50)	Not Null	Cannot be left blank

### Sample Data

cat_id	cat_nm
1	Hotel
8	Restaurant
9	Attraction
10	Shopping
11	Theaters
12	Transportation

## ➤ Sub-Category Master

Column Name	Data type	Constraint	Description
Sub-category id	Integer	Primary Key	Unique category ID. It is auto increment field
Sub-category name	varchar(50)	Not Null	Cannot be left blank
Category id	Integer	Foreign Key	Cannot be left blank

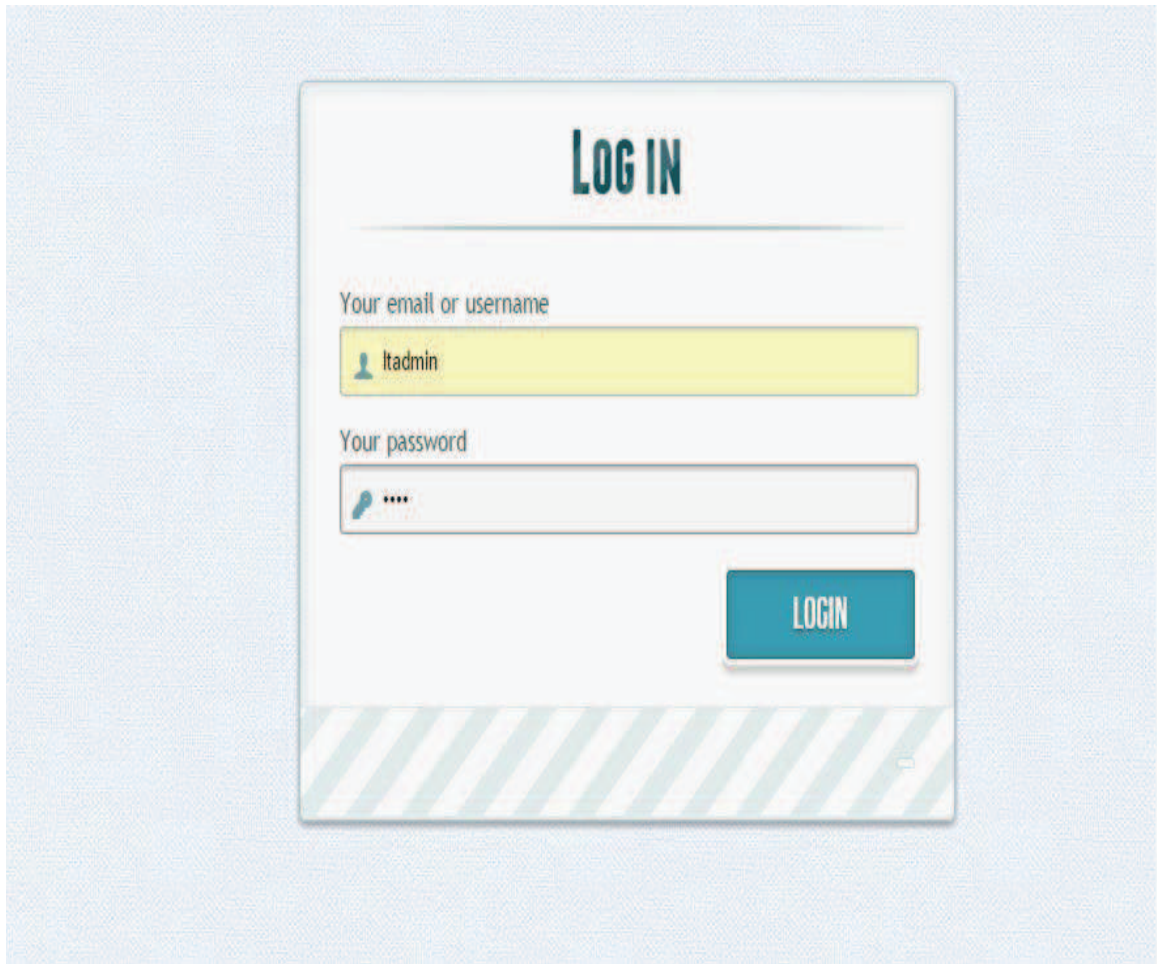
### Sample Data

subcat_id	subcat_nm	cat_id
1	Resorts	1
2	Apartment hotel	1
8	Luxury hotel	1
9	Guest house	1
10	Fast food	8
11	Cafeteria	8
12	Hill Stations	9
13	Wildlife tourism	9
14	Garden & Lake	9
15	Museum	9
16	Alpha One Mall	10
17	Himalaya Mall	10
18	Lake view shopp...	10
19	Gallops designer...	10
20	Alankar Cinema ...	11



# ADMIN SIDE SCREEN LAYOUTS

## 1. Admin Login Page



A mockup of an admin login page. The page has a light blue background with a subtle grid pattern. In the center is a white login card with a teal header that says "LOG IN". Below the header are two input fields: "Your email or username" and "Your password". The first field contains the text "ltadmin" and has a yellow highlight. The second field contains four dots and has a grey highlight. To the right of the password field is a teal "LOGIN" button. The bottom of the card has a teal and white striped pattern.

**LOG IN**

Your email or username

ltadmin

Your password

\*\*\*\*

**LOGIN**

## 2. Home Page

Hello Admin!

Admin Dashboard

Logout

Admin for Local Tourism App.

Quick Search

ADMIN

HIDE

Manage State

Manage Category

Manage Sub Category

Manage Place

USERS

HIDE




Block Users

Unblock Users

Copyright © 2015 Tripguide.com

by Sanket Chauhan

Welcome to Tripguide.com

NAME	ADDRESS	CATEGORY	SUB CATEGORY	IMAGE	DESCRIPTION	EDIT	DELETE
Kankaria Lake	Ahmedabad Ahmedabad Gujarat	Attraction	Garden & Lake		Refreshing Location for all age groups.... Kankaria Lake is the biggest lake in Ahmedabad in the state of Gujarat, India. It is located in the southern part of the city, in the Maninagar area.	EDIT	DELETE
Auto World Vintage Car Museum	House of Mahavirsinh Padhiyar, Viramgam, Abu Road Ahmedabad Gujarat	Attraction	Museum		Vintage and Classic Cars collection.	EDIT	DELETE
Sabarmati Riverfront	A Ahmedabad Gujarat	Attraction	Garden & Lake		A	EDIT	DELETE

This is an admin side main home page (index.aspx). Admin can manage place information like as show the list of place, update and delete information about place using this page.

### 3. Manage State/City

The screenshot displays the Admin Dashboard for the Local Tourism App. The top navigation bar includes a 'Hello Admin!' greeting, the 'Admin Dashboard' title, and a 'Logout' button. Below the navigation bar, the left sidebar contains a 'Quick Search' bar and a menu with sections for 'ADMIN' and 'USERS'. The 'ADMIN' section includes links for 'Manage State', 'Manage Category', 'Manage Sub Category', and 'Manage Place'. The 'USERS' section includes links for 'Block Users' and 'Unblock Users'. The main content area features a 'Welcome to Tripguide.com' message and a form for managing state and city information. The form has two input fields labeled 'State' and 'City', and a 'Submit' button. The footer of the dashboard shows the copyright notice: 'Copyright © 2015 Tripguide.com by Sanket Chauhan'.

Admin for Local Tourism App.

Quick Search

ADMIN

Manage State

Manage Category

Manage Sub Category

Manage Place

USERS

Block Users

Unblock Users

Welcome to Tripguide.com

State City

State

Submit

Copyright © 2015 Tripguide.com  
by Sanket Chauhan

Using this page admin can manage state and city information. Admin can insert state and city information.

## 4. Manage Category

The screenshot displays the Admin Dashboard for the Local Tourism App. The top navigation bar includes a 'Hello Admin!' greeting, the 'Admin Dashboard' title, and a 'Logout' button. Below the navigation bar, the left sidebar contains a 'Quick Search' field and a menu with 'ADMIN' and 'USERS' sections. The 'ADMIN' section is expanded, showing options like 'Manage State', 'Manage Category', 'Manage Sub Category', and 'Manage Place'. The 'USERS' section includes 'Block Users' and 'Unblock Users'. The main content area features a 'Welcome to Tripguide.com' message and a table for managing categories. The table has columns for 'NAME', 'EDIT', and 'DELETE'. It lists categories: Hotel, Restaurant, Attraction, Shopping, Theaters, and Transportation, each with corresponding 'EDIT' and 'DELETE' links. An 'INSERT' button is located at the bottom of the table.

NAME	EDIT	DELETE
Hotel	EDIT	DELETE
Restaurant	EDIT	DELETE
Attraction	EDIT	DELETE
Shopping	EDIT	DELETE
Theaters	EDIT	DELETE
Transportation	EDIT	DELETE
	INSERT	

Admin can manage category about place using this page. Admin can insert, update and delete category information.

## 5. Manage Sub-category

The screenshot displays the Admin Dashboard for the Local Tourism App. The top navigation bar includes a 'Hello Admin!' greeting, the 'Admin Dashboard' title, and a 'Logout' button. The left sidebar contains a 'Quick Search' bar and a menu with 'ADMIN' and 'USERS' sections, each with a 'HIDE' toggle. The 'ADMIN' section lists 'Manage State', 'Manage Category', 'Manage Sub Category', and 'Manage Place'. The 'USERS' section lists 'Block Users' and 'Unblock Users'. The main content area features a 'Welcome to Tripguide.com' message and a table of sub-categories.

NAME	Category	EDIT	DELETE
Hill Stations	Attraction	EDIT	DELETE
Wildlife tourism	Attraction	EDIT	DELETE
Garden & Lake	Attraction	EDIT	DELETE
Museum	Attraction	EDIT	DELETE
Resorts	Hotel	EDIT	DELETE
Apartment hotel	Hotel	EDIT	DELETE
Luxury hotel	Hotel	EDIT	DELETE
Guest house	Hotel	EDIT	DELETE
Fast food	Restaurant	EDIT	DELETE

In this page admin can insert, update and delete sub category information related to place category.

# REPORTS