



# TOURISTOUR

Phase 1: Communication, Planning and Modeling

## ABSTRACT

INTRODUCING A PLATFORM BY WHICH PEOPLE CAN SHARE THE LESS KNOWN YET BEAUTIFUL PLACES

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SWE-363 : Web Engineering and Development Term(162)

# Table of content

- BUSINESS NEED:** .....2
- OBJECTIVES AND FEATURES:**.....2
- USER DESCRIPTIONS:** .....2
- UMBRELLA ACTIVITIES**.....2
  - CHANGE MANAGEMENT: .....2
  - QUALITY ASSURANCE: .....2
  - RISK MANAGEMENT: .....3
  - PROJECT MANAGEMENT: .....3
- SCHEDULE:** .....4
- REQUIREMENTS MODELING**.....5
  - FUNCTIONAL REQUIREMENTS: .....5
  - NON-FUNCTIONAL REQUIREMENTS AND CONSTRAINTS: .....5
  - SCENARIOS.....6
  - USE CASE DIAGRAM. ....7
  - ACTIVITY DIAGRAMS .....8
- CONTENT MODELING:**.....11
  - CLASS DIAGRAM: .....11
  - STATE MACHINES.....12
- NAVIGATION MODELING:** .....14
  - HYPERTEXT STRUCTURE .....14
  - ACCESS MODELS .....16
- PRESENTATION MODELING:**.....18
  - PRESENTATION MODELS .....18
  - SEQUENCE DIAGRAMS .....22
- APP ARCHITECTURE**.....26

## Business Need:

Travelling and visiting new places abroad have recently become a trend. However, many places in the kingdom are worth visiting but not so many people are aware of them. Therefore, we are introducing a platform by which people can share the less known yet beautiful places. Sharing will reflect the intriguing details about those places.

## Objectives and Features:

The objective is to reveal the less places to the public, which will therefore enhance the tourism and attract more people to discover the country.

The main features will include:

- Explore places of a certain city.
- Find more feedback about a place.
- Share places with the public.

## User Descriptions:

1. Public user: anyone who enters the website without signing in.
2. Registered user: anyone who signed into the website.
3. Admin: a user given an account with special privileges.

## Umbrella Activities

### Change management:

In case of changing the front-side framework which will be Bootstrap, we will shift to Foundation Framework

In case of changing the database MySQL, we will be using Oracle Database as an alternative.

### Quality assurance:

With each increment of the system to be deployed, a set of different test cases will be prepared. The work will not proceed until each increment has passed its test cases.

### Risk management:

If one of the team's members left, we will re-distribute the tasks on the remaining members such that we don't go past the deadline of the project submission.

In case a milestone was not delivered in the specified time, more effort is expected to be made by the team.

### Project management:

We have set up a schedule that defines the project tasks and assigned members. A milestone was added to the schedule to check the progress if the project is going as expected or not.

Dependent tasks were given a time-buffer to exclude any potential delays.

Tasks were ordered in precedence of dependency.

## Schedule:

Task No.#	Task Description	Assigned To	Start Date	Finish Date
1	Design pages on paper	All members	28/4/2017	1/5/2017
2	Define and model Database schema	All Members	28/4/2017	1/5/2017
3	Develop Database Schema	Abdulmajeed AlOthman, Yazeed Allahim	2/5/2017	4/5/2017
4	Milestone : deliver database final model	---	4/5/2017	
5	Develop HTML files for Home Page and Search results page	Abdullah Algarni, Abdulmajeed Alothamn	1/5/2017	5/5/2017
6	Develop HTML files for “add experience page” and “Place view page”	Yazeed Allahim, Abdullah Alnahdi	1/5/2017	5/5/2017
7	Milestone : Delver final HTML files	---	5/5/2017	
8	Customize the HTML files with bootstrap and our own CSS	Yazeed Allahim , Abdullah Algarni	5/5/2017	7/5/2017
9	Add interaction by including JavaScript	Abdullah Alnahdi, Abdulmajeed Alothamn	7/5/2017	8/5/2017
10	Setup PHP files for our HTML files	All members	8/5/2017	11/5/2017
11	Integrate MySQL database with PHP.	All members	11/5/2017	12/5/2017
12	Milestone : delver first draft of project	--	13/5/2017	
13	Upload website on online Server	Abdullah Algarni	14/5/2017	
14	Testing the website by trying different test cases	All members	14/5/2017	
15	Milestone : Delver Final Project	--	15/5/2017	

# Requirements Modeling:

## Functional requirements:

1. Users can see people's experiences.
  - a. Experience is a post about a place users have already visited and shared on website. Experiences may contain text, images, rating.
2. Users can register to the website.
3. Registered users can login into the website.
4. Users can add a new place.
  - a. Place is a public space like restaurants, cafes, parks, beaches...etc.
  - b. Adding a place requires specifying the following fields:
    - Name
    - Location from map
    - Category
5. Users can share a new experience for a specific place.
6. Users can search for a specific place.
7. Admins can delete places.

## Non-functional requirements and constraints:

- Internal:
  - The system should be easy to maintain
  - The system should be testable
  - The system should be flexible to accommodate new features
- External:
  - The system should be easy to use
  - The system should reflect a simple UI.
  - The system should respond quickly to the user input.
- Constraints:
  - Use HTML 5.
  - HTML files shall be typed, no drag-drop programs.
  - The database type used should be MySQL.
  - The server-side scripting language should be PHP

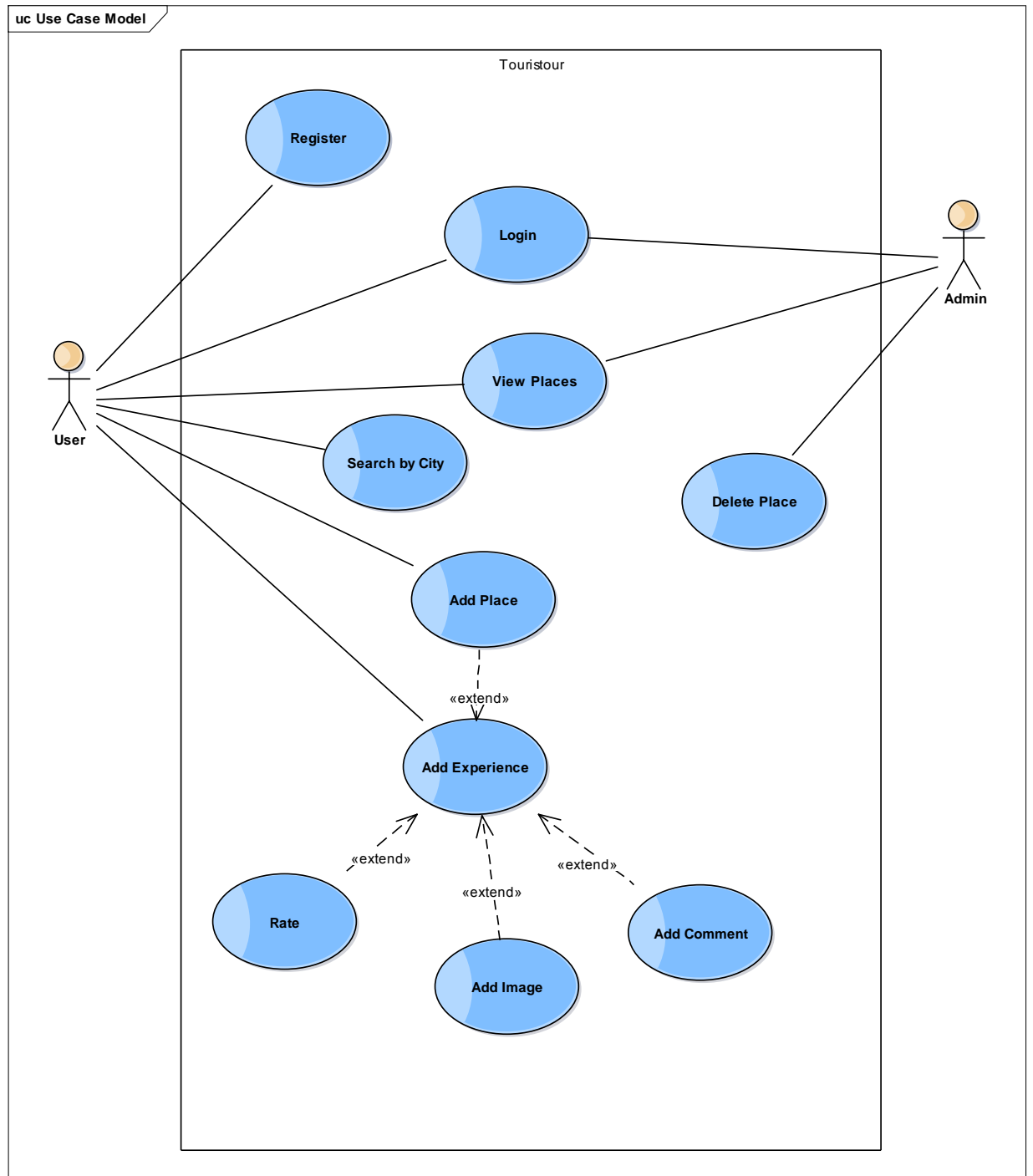
## Scenarios

1. Ahmed enters the website, and selects a city. The website will load all the places that belong to this city. Ahmed can filter the results based on the categories provided by the website. He can then choose a place of his interest. All experiences that were posted by other tourists about this place will be listed on the page, along with images and tourists' ratings.
2. Ali visited a café shop and he found it impressive. He enters the website to add the place and share his experience. He first chooses where the café is located, specifies its category (a café shop), then he writes a brief description and then writes his experience. After that, he attaches images he took of the place. At the end, he gives a rating of the café on a scale of 10.

### Admins:

3. An admin was found a dummy place like a private that appeared to be spam. He selects the place, and then deletes it.

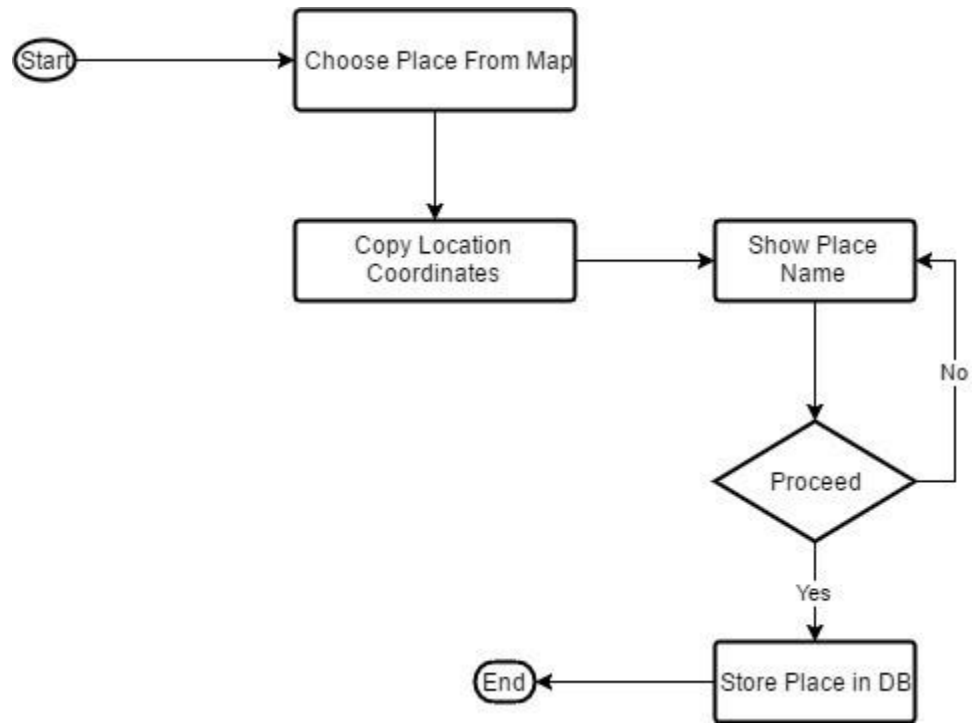
## Use Case Diagram.



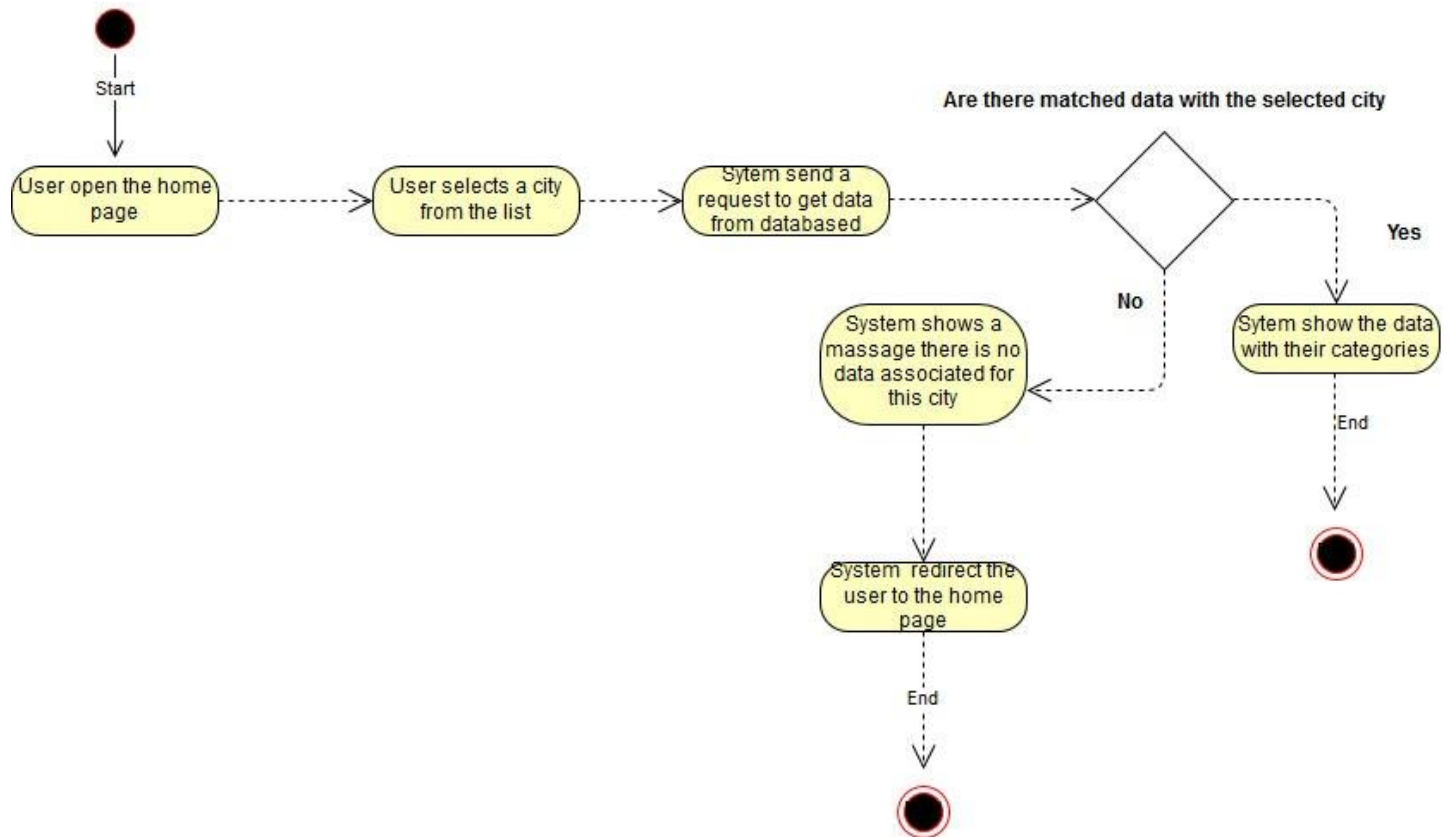


## Activity diagrams

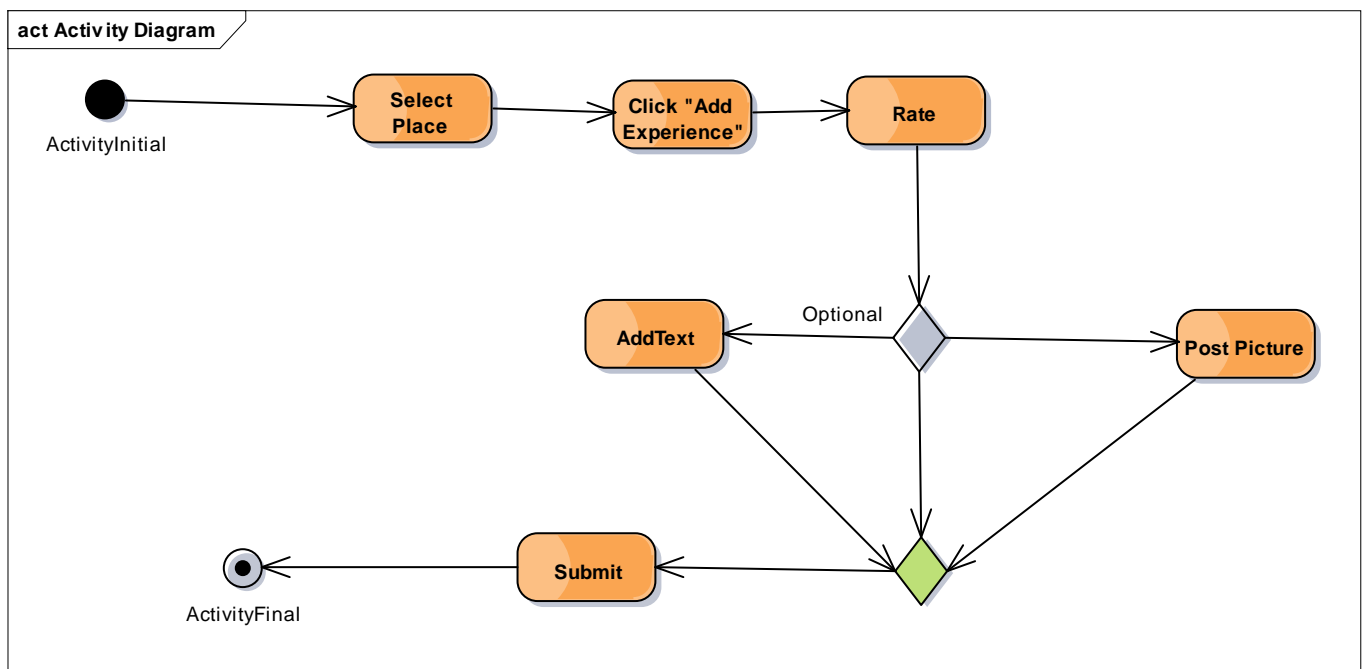
### Add Place



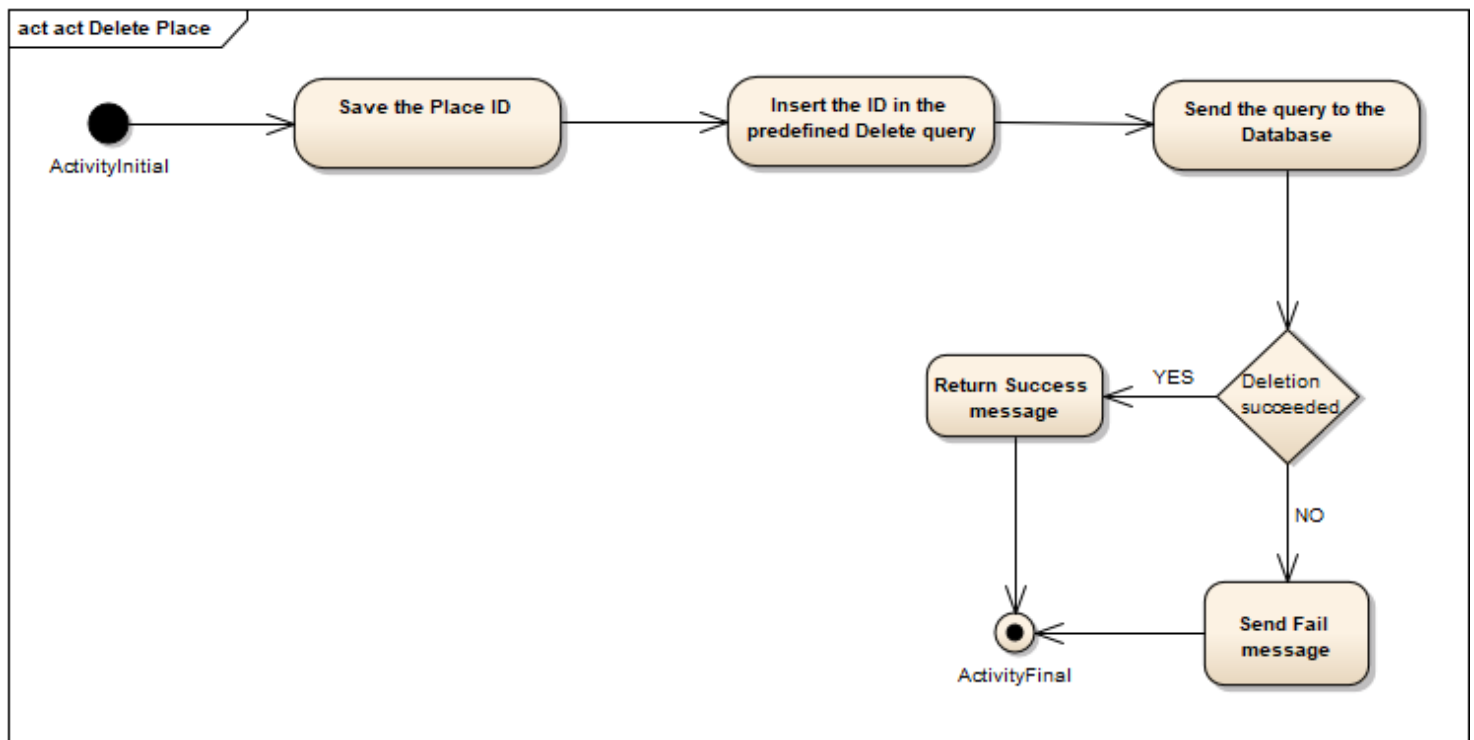
## Search by City



## Add Experience

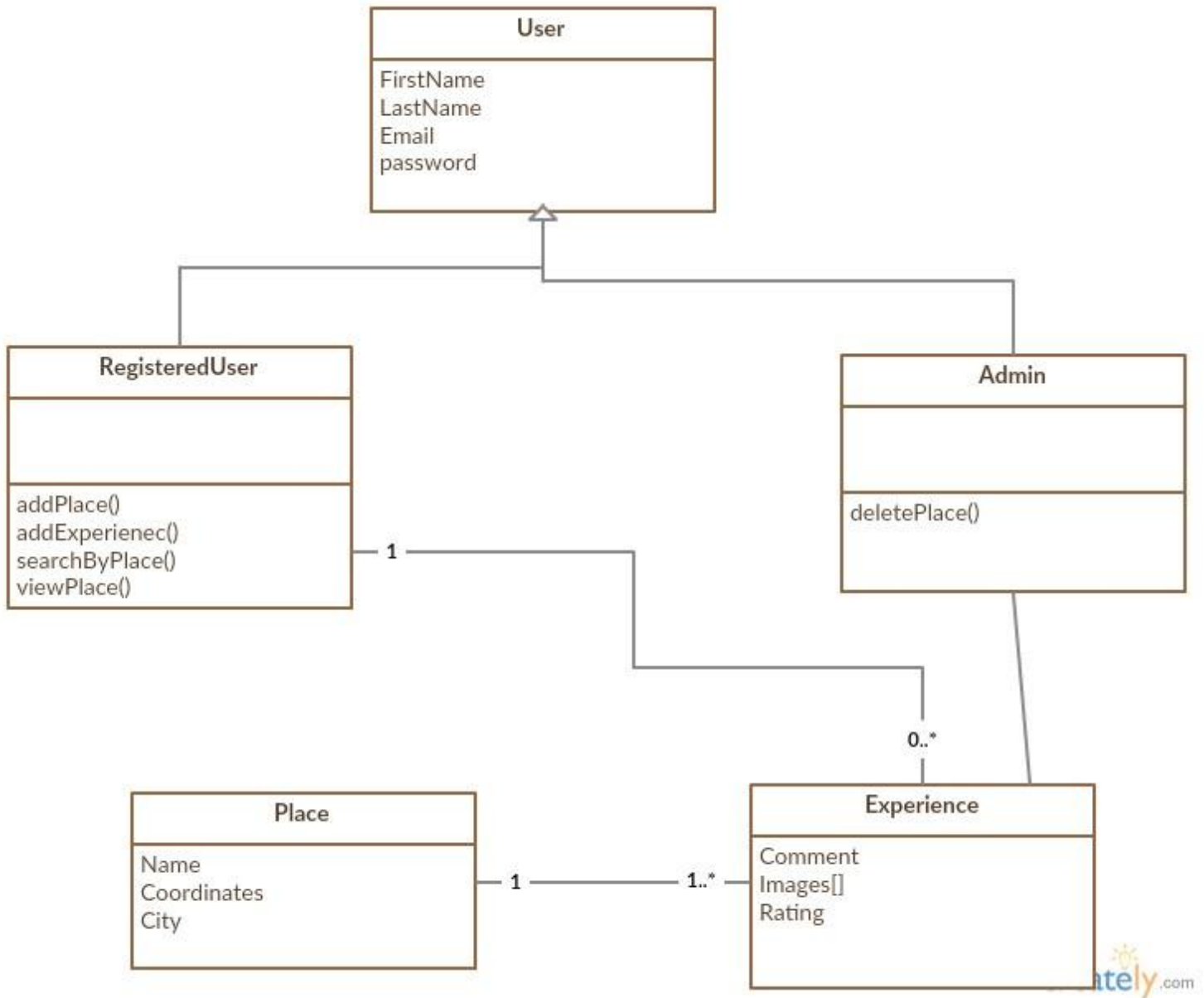


## Delete a Place



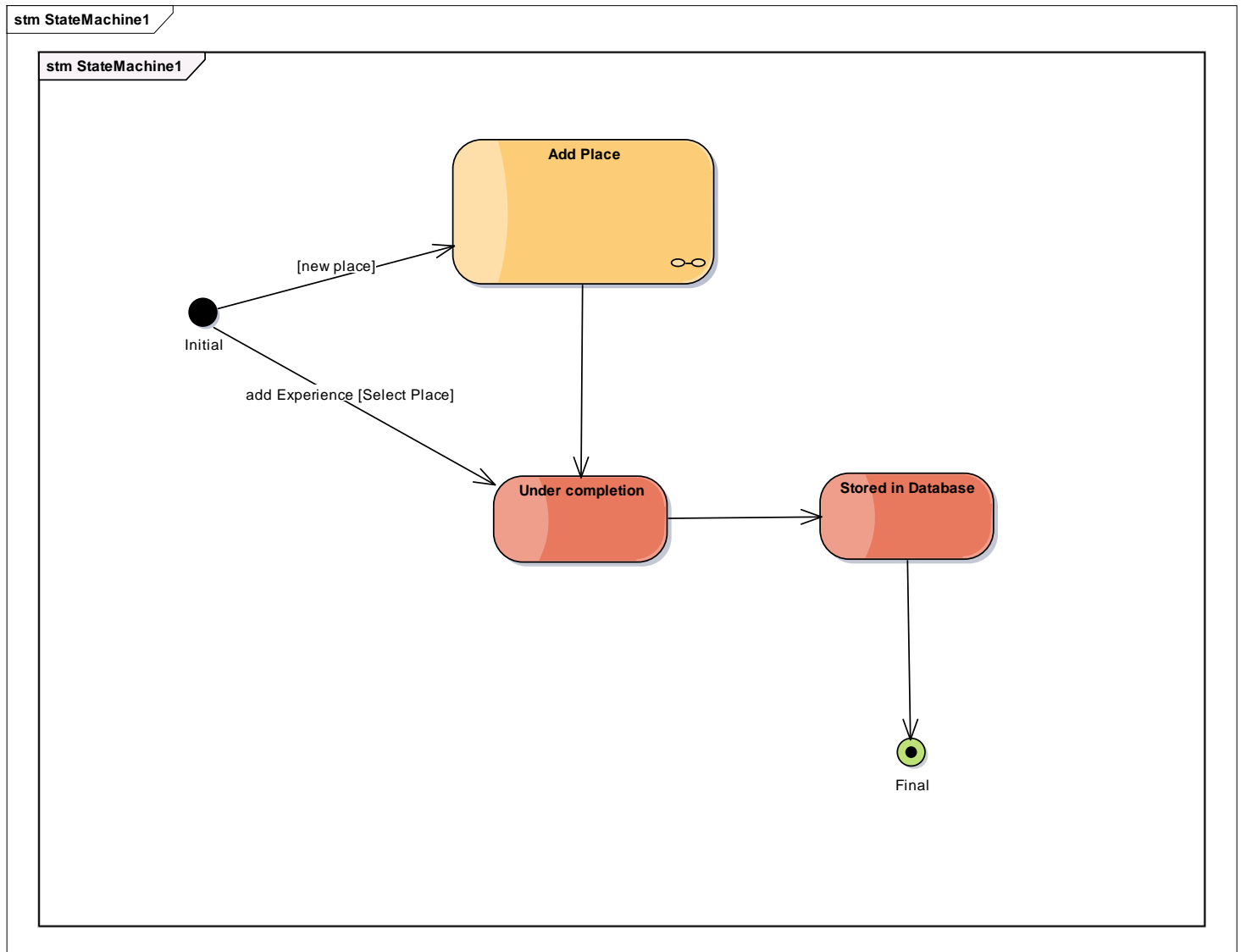
## Content Modeling:

Class diagram:

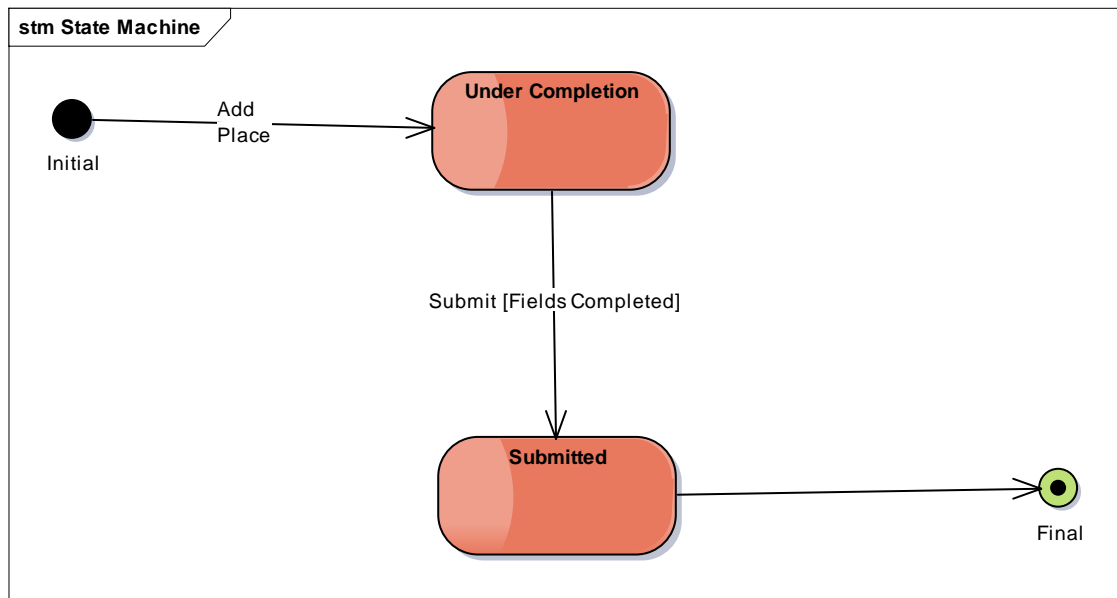


## State machines

### Experience



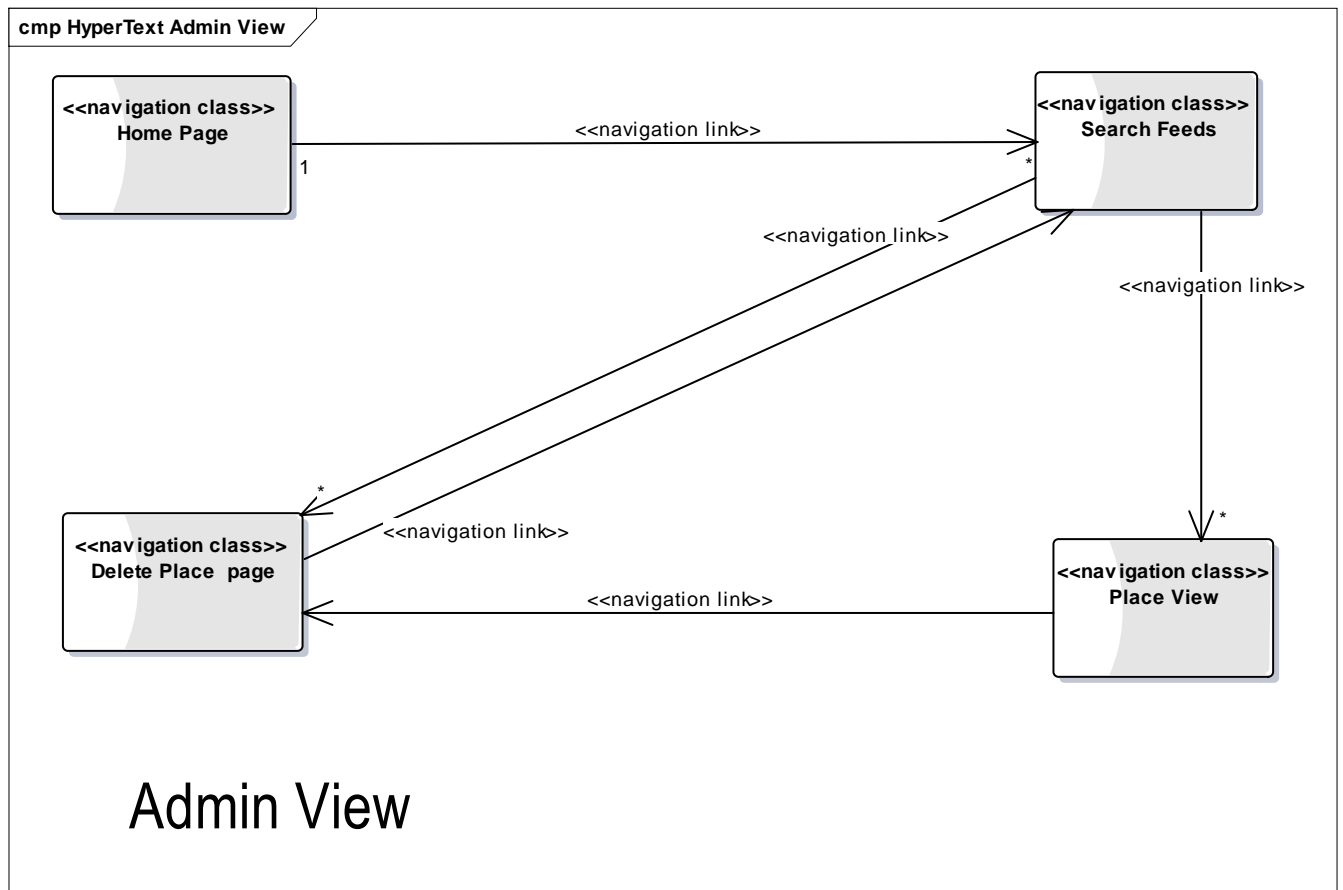
## Place



## User View



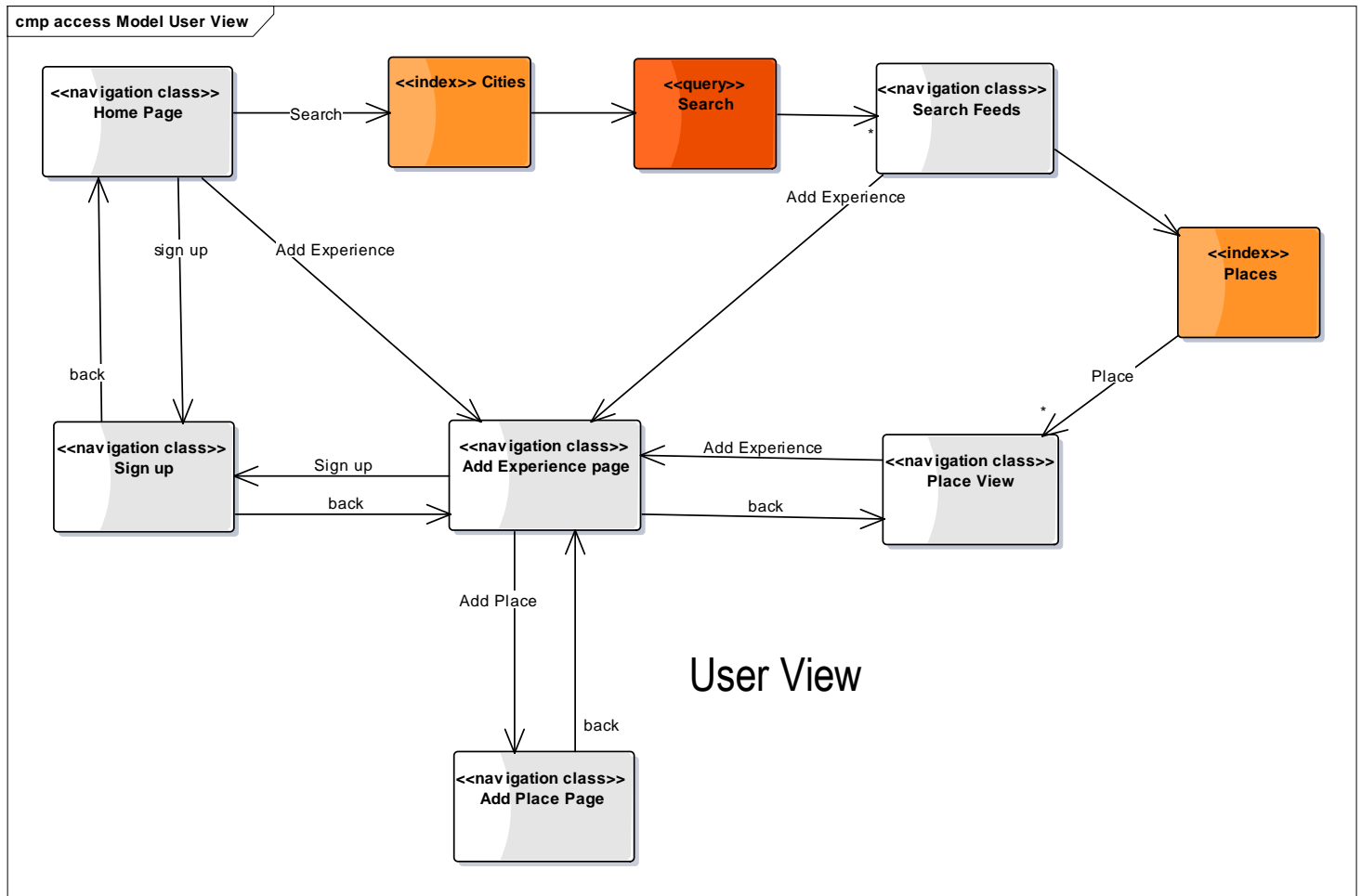
## Admin View



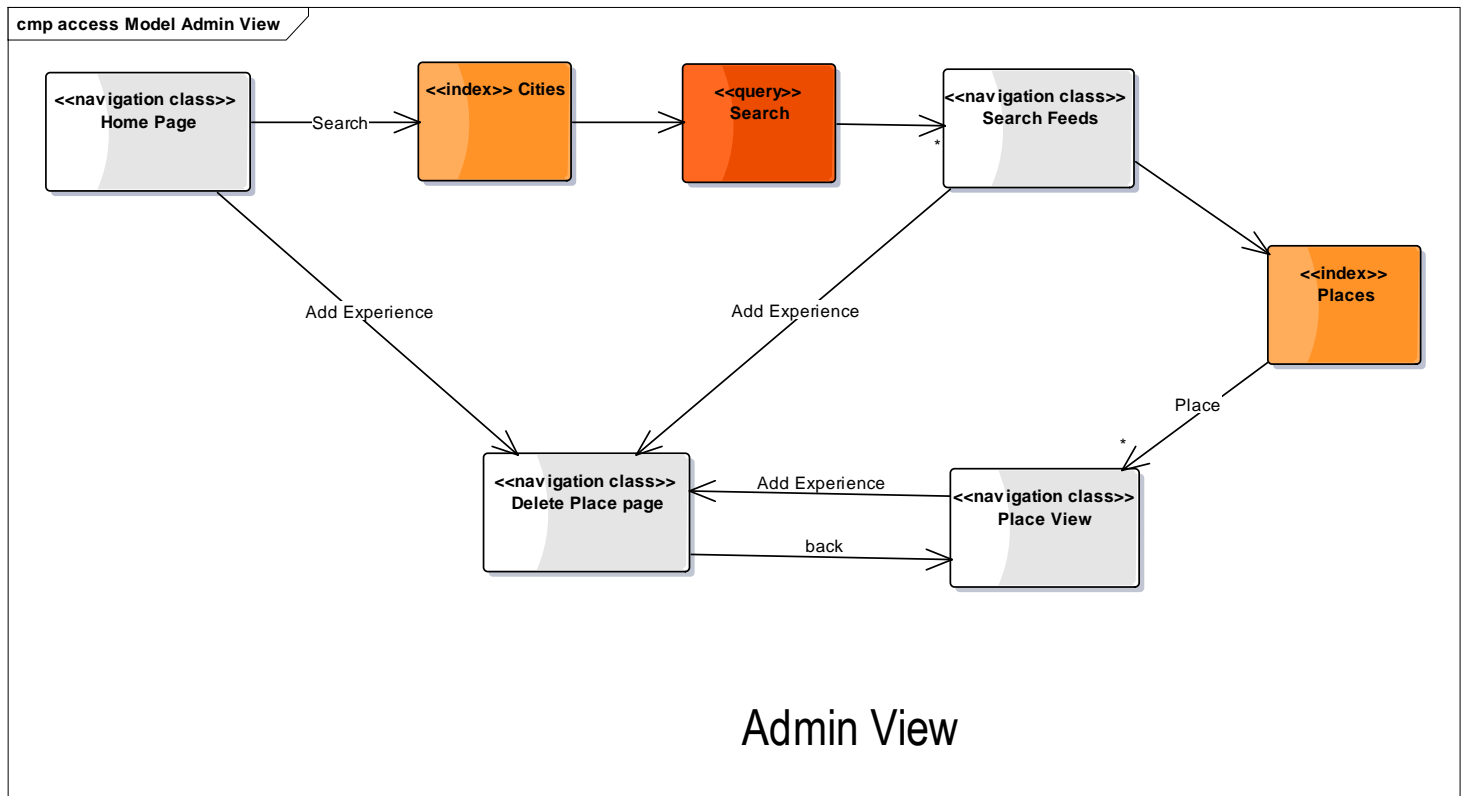


## Access models

### User View



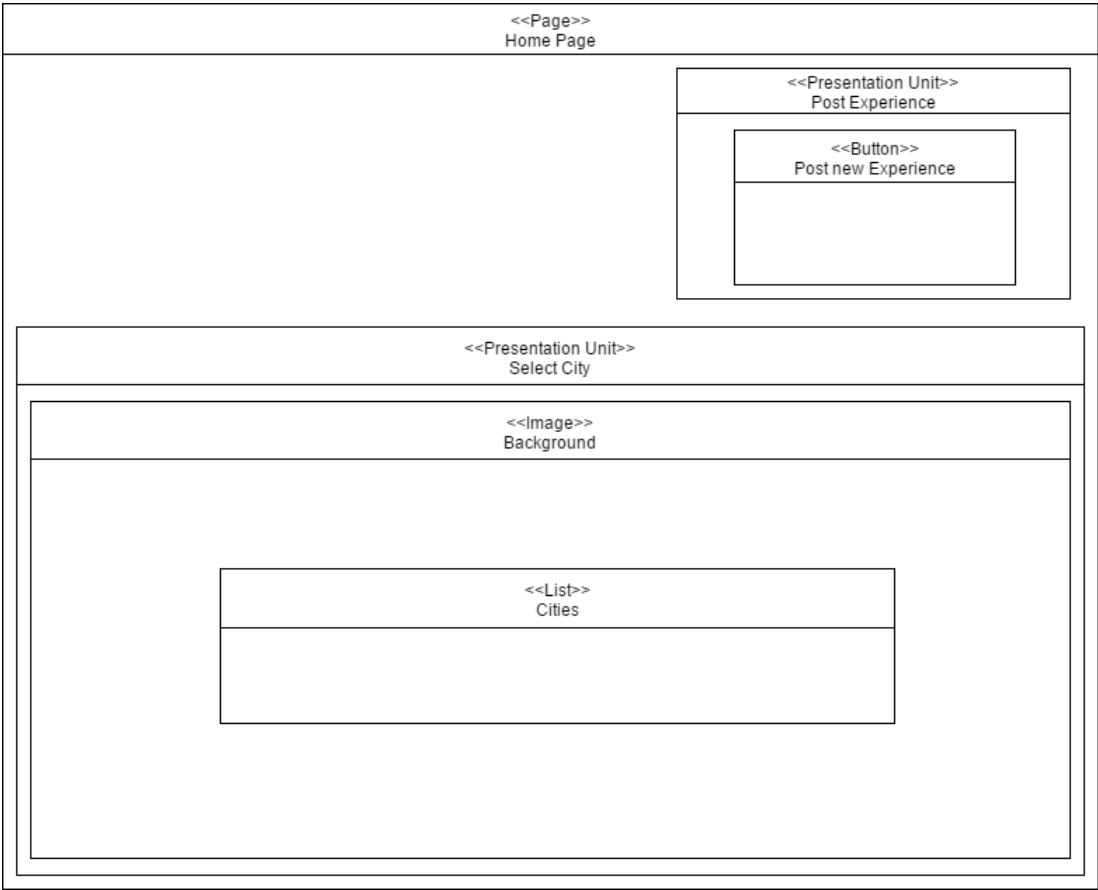
## Admin View



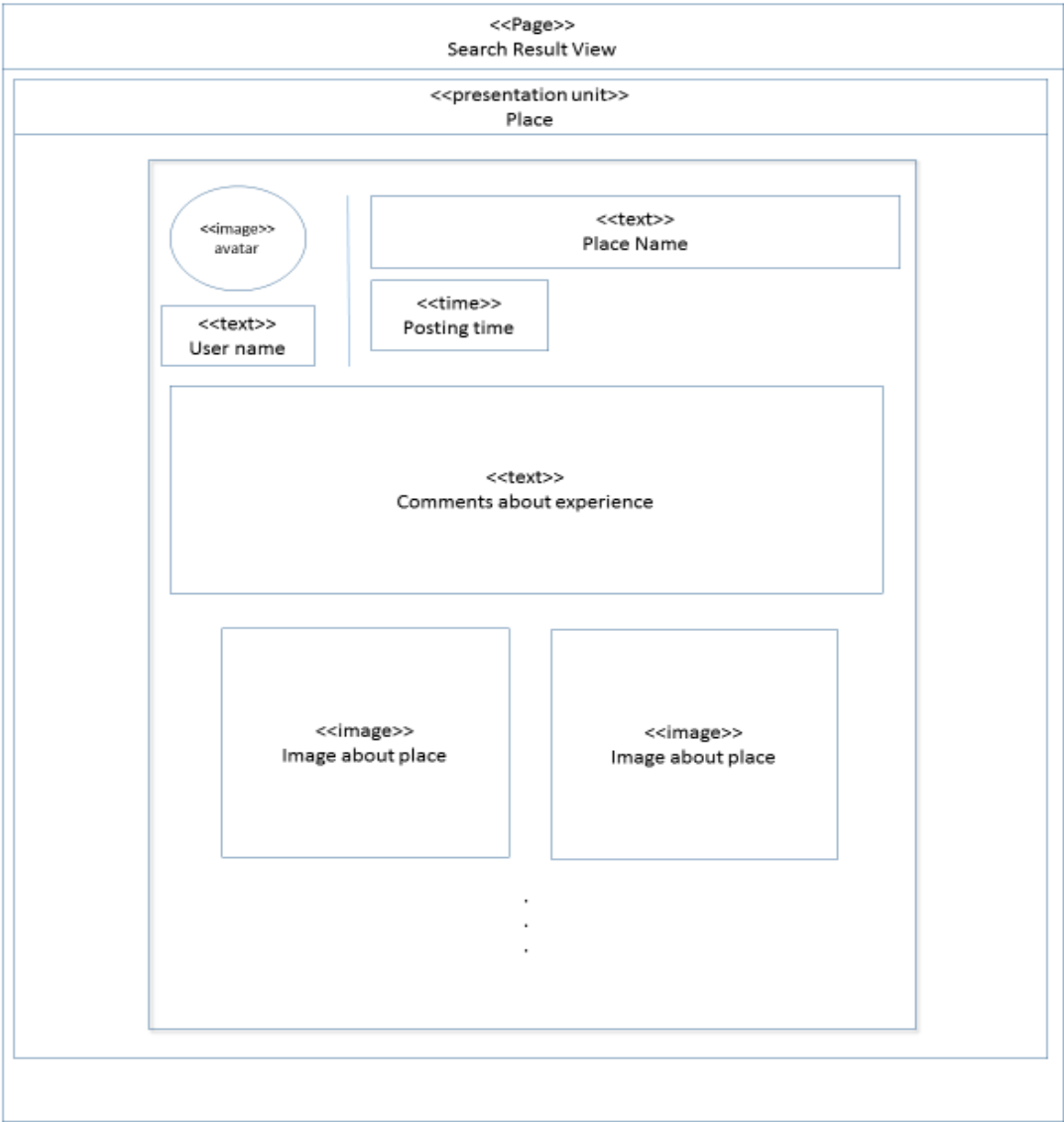
# Presentation Modeling:

## Presentation models

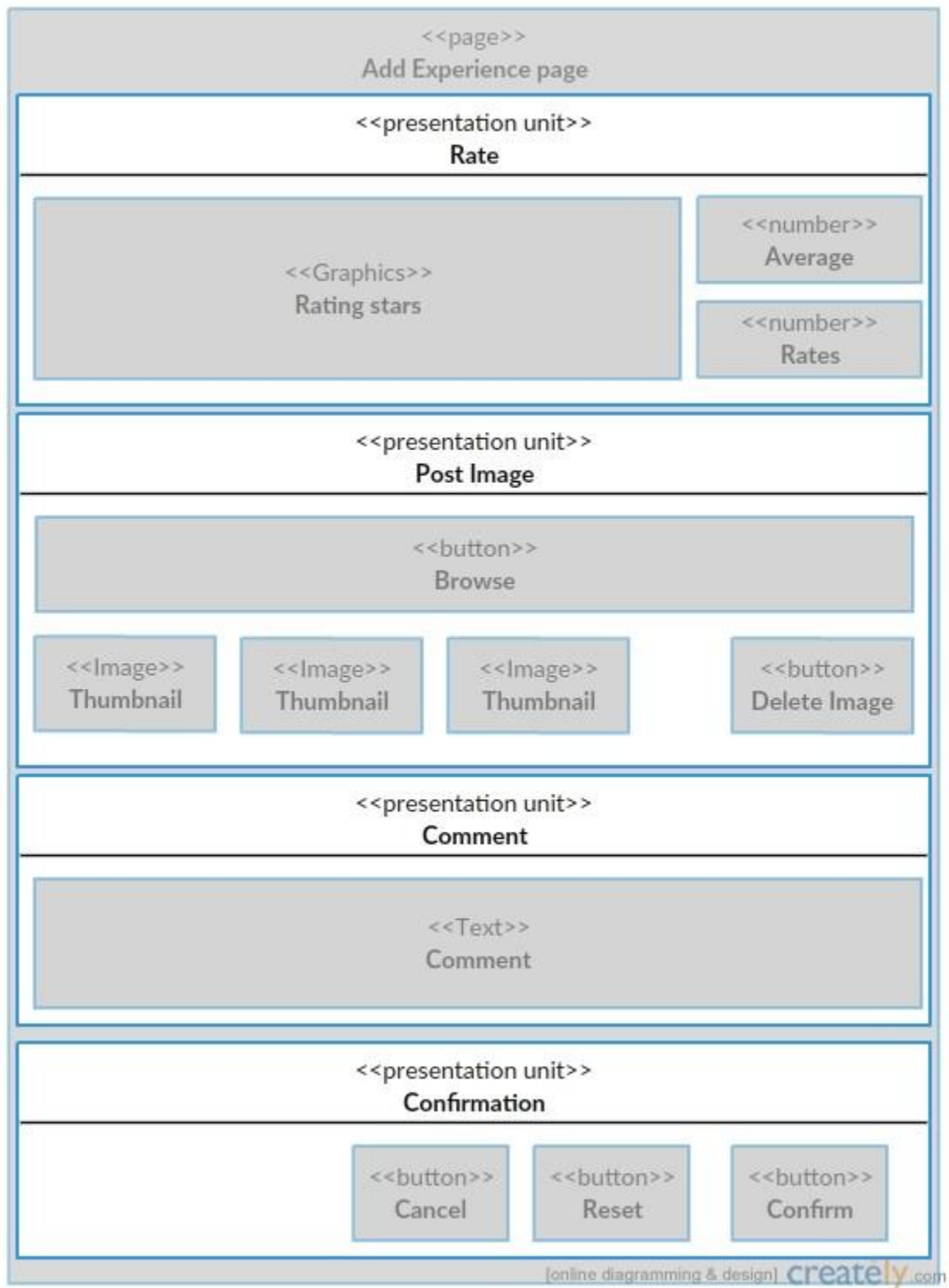
### Home Page View



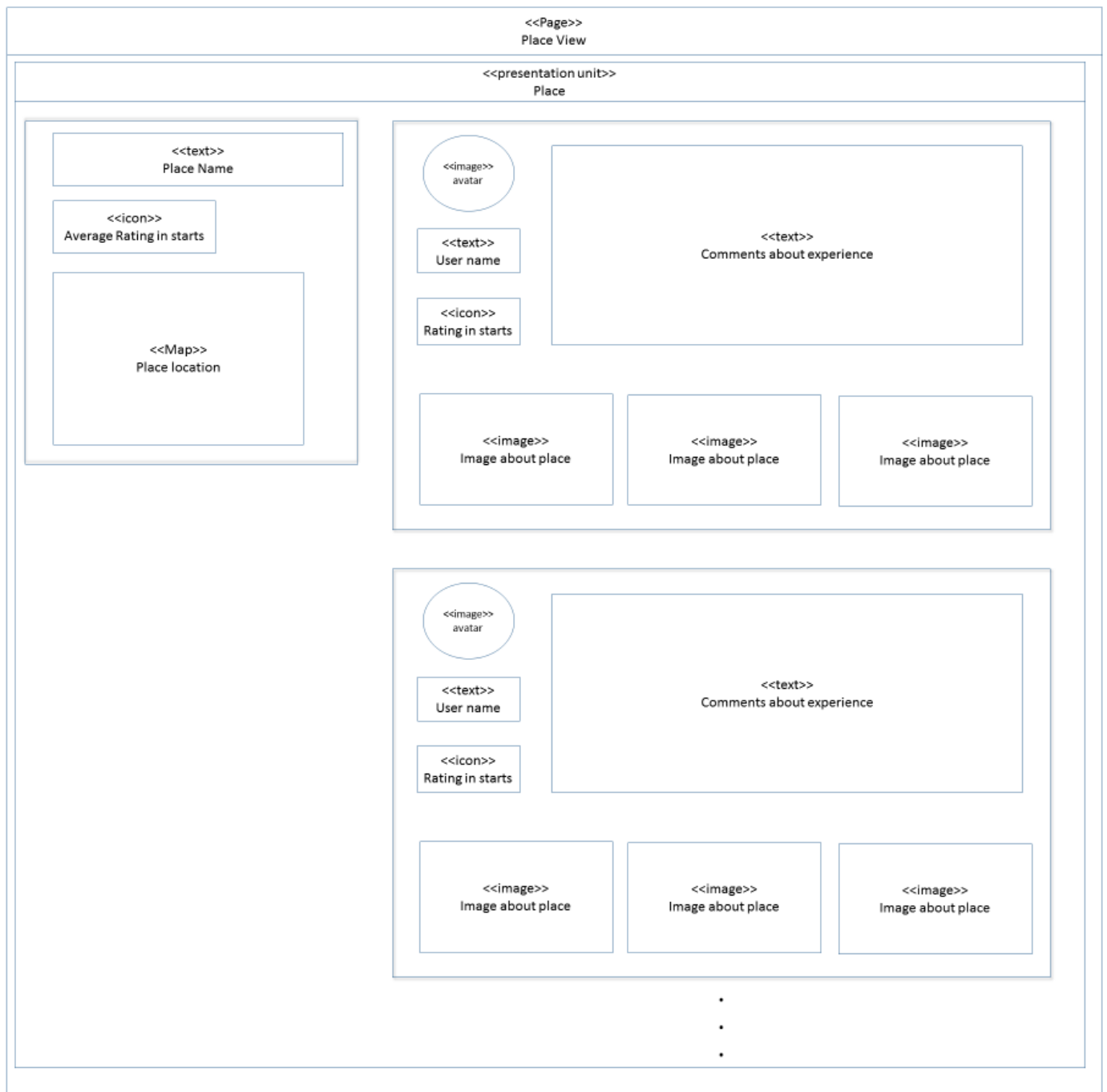
Search Result View



## Add Experience page

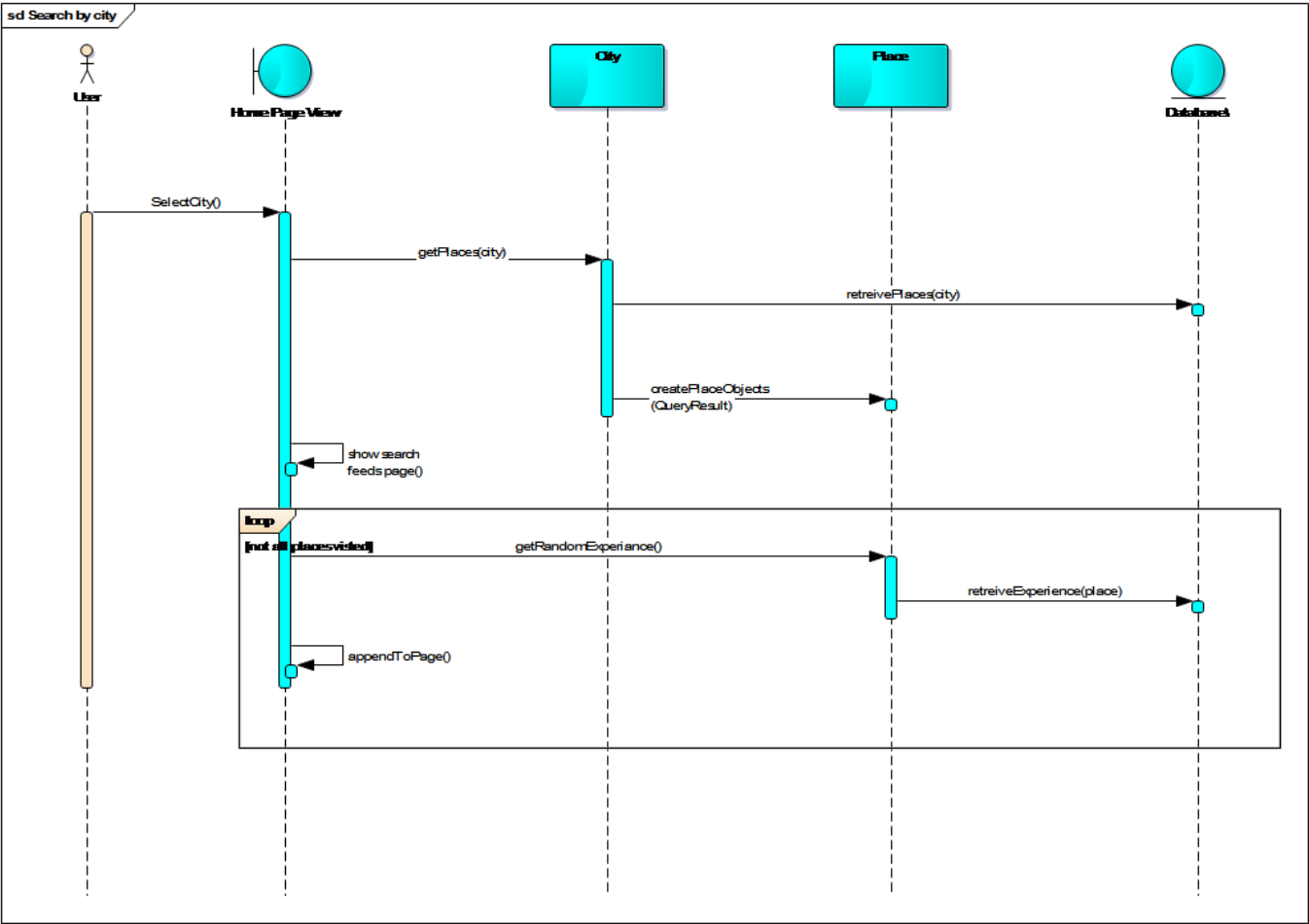


## Place View

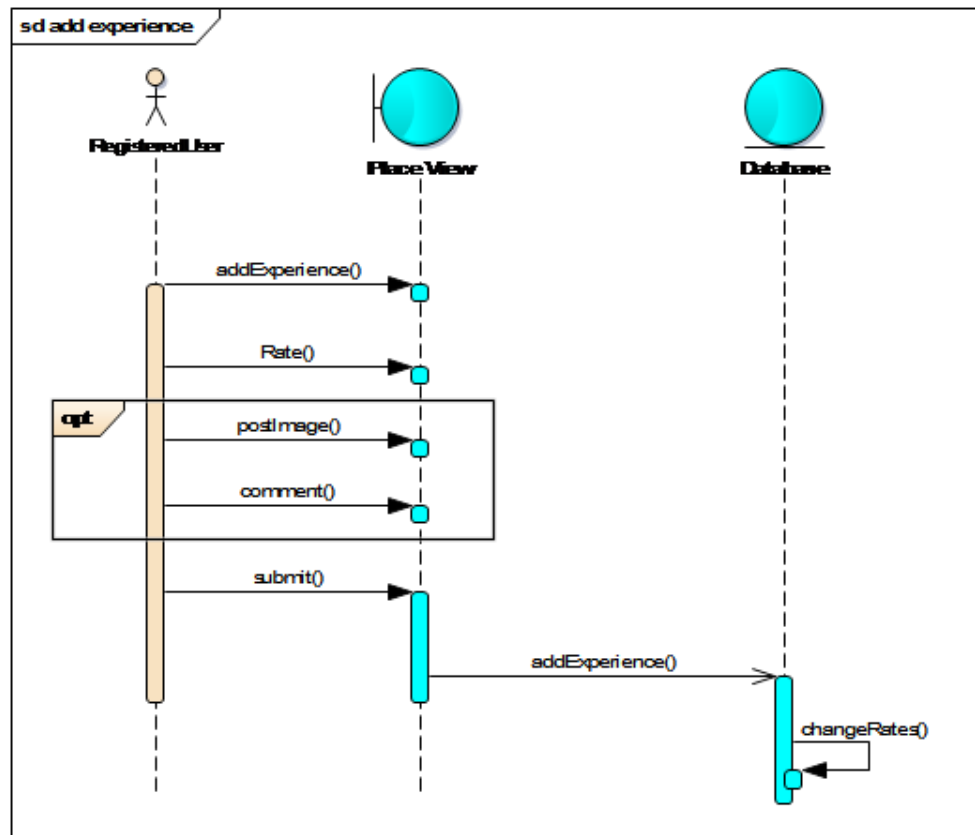


Sequence diagrams

Search

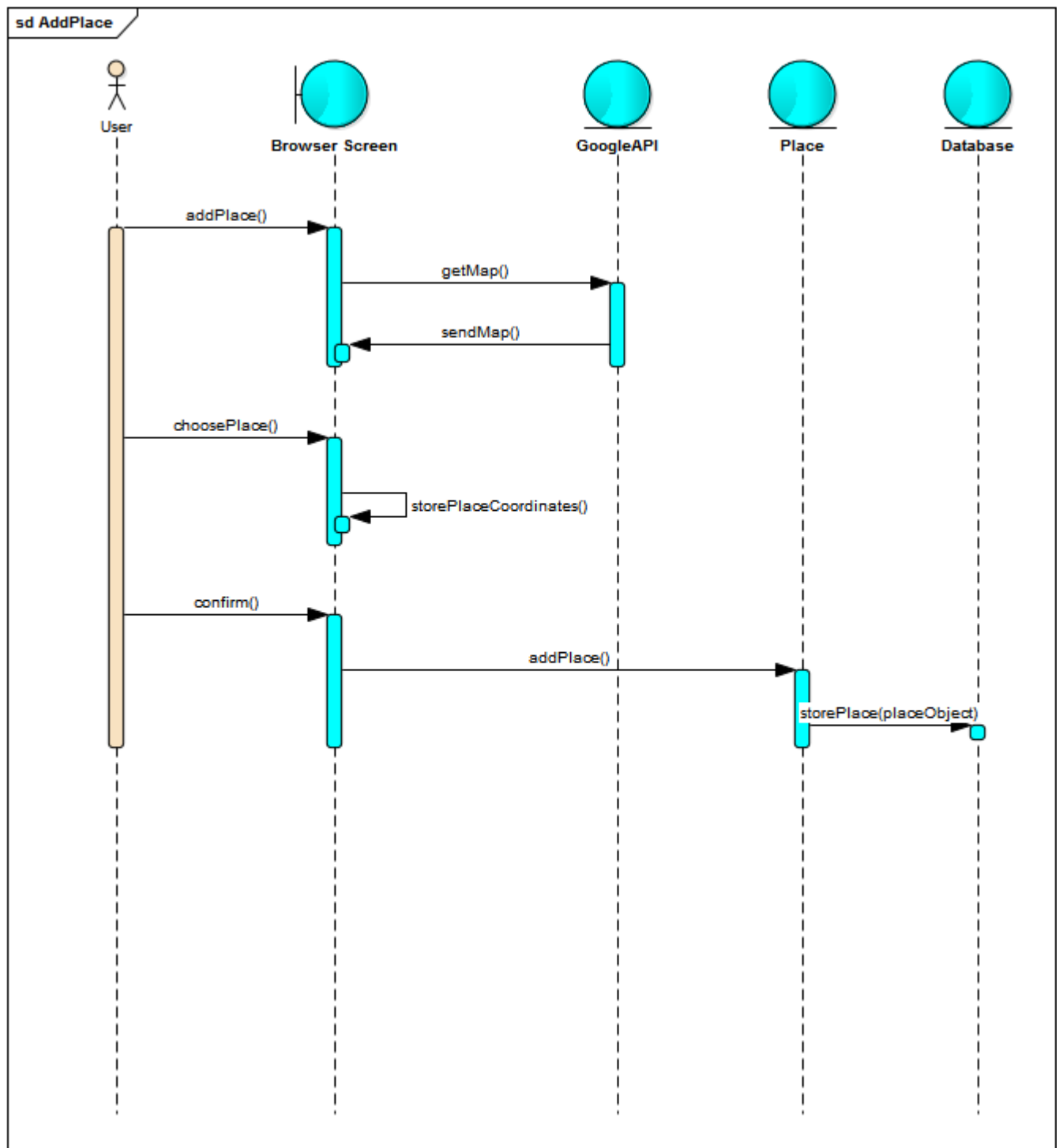


## Add Experience

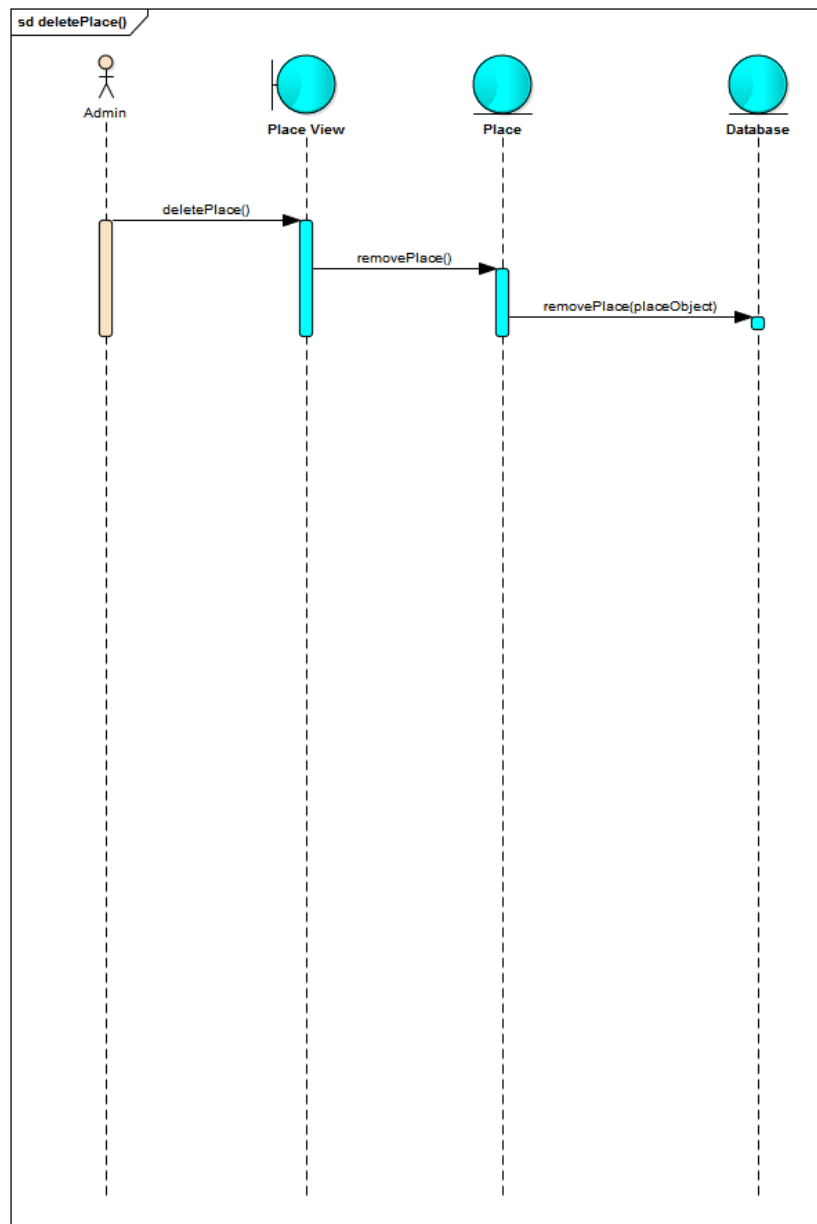




## Add Place



## Delete Place



## App Architecture

- Client-Side:
  - HTML and CSS
  - JavaScript and JQuery
- Server-Side:
  - PHP
  - MySQL database