EAST WEST UNIVERSITY

Project Report

Of

Restaurant Finder

CSE411

Section: 02

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Submitted To

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Table of Contents

Project Description:

Project Summary:

In our project we will include information about the menu with different price tags and necessary information like phone number, mail address etc. for restaurants booking. There will be a searching bar where a customer can search a particular restaurant by name or can type a location. In case of typing location our website will suggest a user variety of restaurants. There will be a division where trending restaurant shown in a sliding window. There will be a log in part where one first have to sign in with email. In the bottom of the website there will be some popular cuisines. I a customer suppose select Thai then all the restaurant which serves Thai items will be shown. We are planning to add a review section where our logged in customer can review a particular restaurant. There will be a facebook logo in the bottom of our window. By clicking that logo one will be directed to our facebook page.

Functional & Non-functional Requirements:

Functional Requirements:

Our system functional requirements are:

Registration:

Without registration a user can access our website with limited accessibility. Without register user can only see some static pages and static pics of trending food items. To log in in our website one has to first sign up through entering email address, name and password. After registering one can search, reserve, view blog and review posts. Our system doesn't have password validation. We also don't have any option of forget password segment.

Search:

After logged in one can search restaurant by area or by restaurant name. In terms of area search one has to enter an area in Dhaka city and our system will show the

adjunct restaurant on that area. In search in terms of restaurant search user has to enter restaurant name and our system will show that restaurant with available information. In searching user don't need to enter the whole name but need to enter accurately anything related to their search. Then our system will search the desire restaurant or restaurants. Our system fails to search a desire restaurant if user inputs wrong keyword.

Reserve:

To reserve a seat in a restaurant user has to search in reserve section by restaurant name then our system will give the information of that desire restaurants. There will be section of valid phone number. Then the user has to call that number to reserve table.

Feedback:

A logged in user can give feedbacks on our website. To give feedback user has to enter their email, subject of feedback and then enter their opinion.

Non-functional Requirements:

Product requirement:

Our **khoj.com** website will be available to users all day long. Downtime within normal working hour shall not exceed five second in a day.

Organizational requirement:

Users of the **khoj.com** shall authenticate themselves using their user name and password.

External requirement:

The system implement user privacy prevision as there private information will not be shared.

Stakeholders:

Any persons or groups who are involved in the development process of that software known as stakeholders. Stakeholders can affect or be affected by the organizations

actions, objectives and policies. Not all stakeholders are equal. Some stakeholders are less important to a business than others.

There are two types of stakeholders:

➢ Primary Stakeholders.
➢ Secondary Stakeholders.

Primary Stakeholders:

a) <u>System Admin:</u>

In our project, we are the systems admin. There is no additional admin in our project. We have only users.

b) <u>System Users with Logged in:</u>
In our system who are logged in is our users.

c) <u>Receptionist:</u>
In our system who confirms the booking in each restaurant.

Secondary Stakeholders:

a) <u>System Users without Logged in:</u>
In our system, who aren't logged in they can only see limited restaurant names in particular area and can also see restaurant ratings. They can't search or reserve anything.

Implementation Details:

Our project is basically website based so we implemented this project through HTML, CSS and PHP. Details of implemented tools are given bellow:

- <u>HTML</u>: Our website basic skeleton is implemented by HTML. We haven't used it vastly raw HTML is not responsive.
- <u>BOOTSTRAP</u>: Our almost whole website is done by HTML framework BOOTSTRAP. For using this framework our full website is responsive.
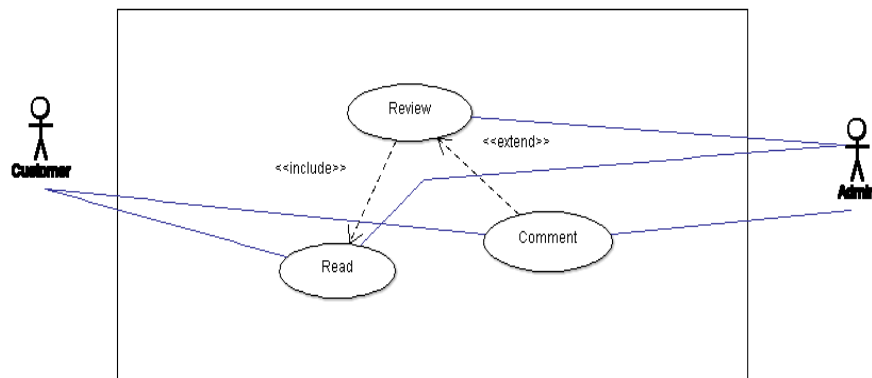- <u>CSS</u>: We used raw CSS where we don't want default BOOTSTRAP styling.
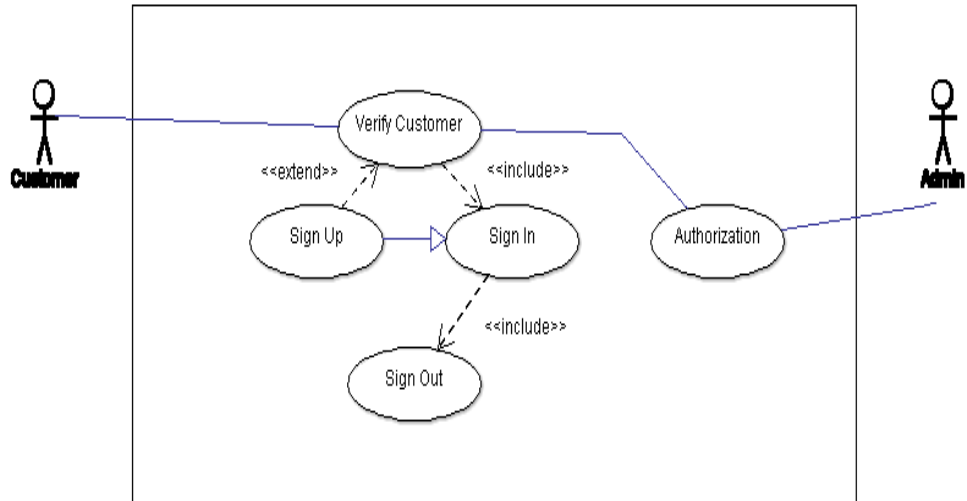
- <u>JAVSCRIPT</u>**:** We used JAVASCRIPT in our program to show users different kinds of alert.
- <u>PHP:</u> We used PHP to handle our database in background.
- <u>MYSQL:</u> We have used MYSQY database to store our system information.
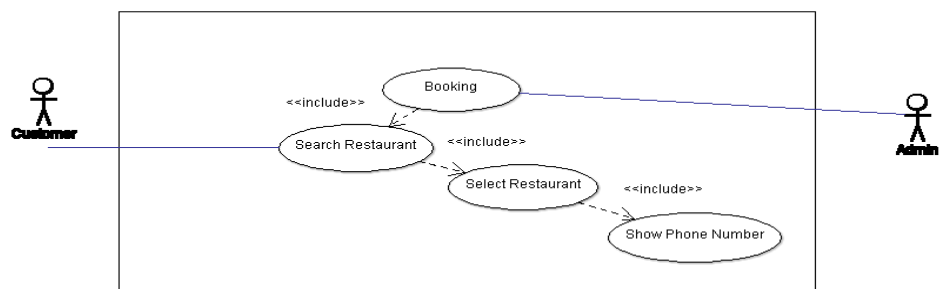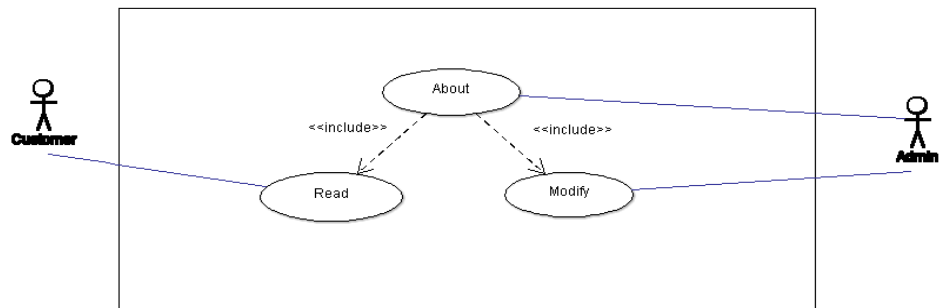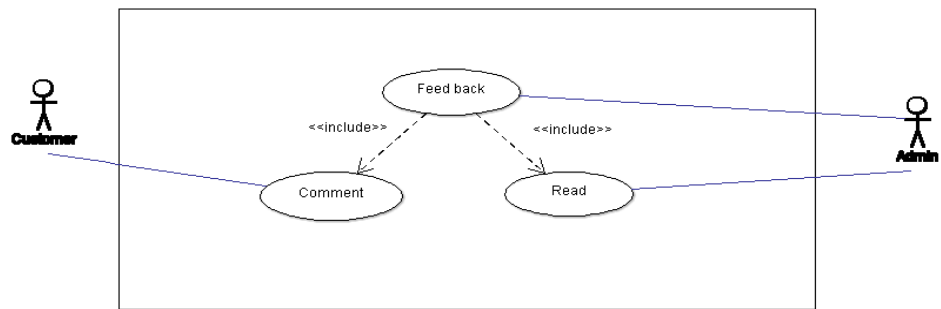
Scenario:

In scenario, first of all if users don't log into the system then user can only use the demo version where user can only see some selected restaurant information. But if you log into the system then you can see the restaurant reviews, you can able to search the restaurants and if you click the specific restaurant then the restaurant maps will show up. After login, the top demand trending food item will appear on the homepage with restaurant name. There is also a blog link on the homepage where recipes of various food items are shown. Homepage also show various food items in the gallery which are static. Then if you enter the search option then you will find a search box where you can search by name of the restaurant and also search by name of the areas. It will not show anything when searching with a wrong keyword. But if the first letter of the name in the restaurant or the consecutive letters are matched, then the names of the restaurants will be displayed. Now if you enter the reserve option, then you will find one valid phone number for each restaurant for booking which will confirm by the receptionist of that particular restaurant. Finally, users can give a feedback on our system like either our system don't work properly or whether we need any modification on our system in certain areas.

Diagrams:

Use case Diagram:

Diagram 1

Customer — Feed back — Admin

Feed back <<include>> Comment

Feed back <<include>> Read

Diagram 2

Customer — About — Admin

About <<include>> Read

About <<include>> Modify

Diagram 3

Customer — Search Restaurant — Admin

Booking <<include>> Search Restaurant

Search Restaurant <<include>> Select Restaurant
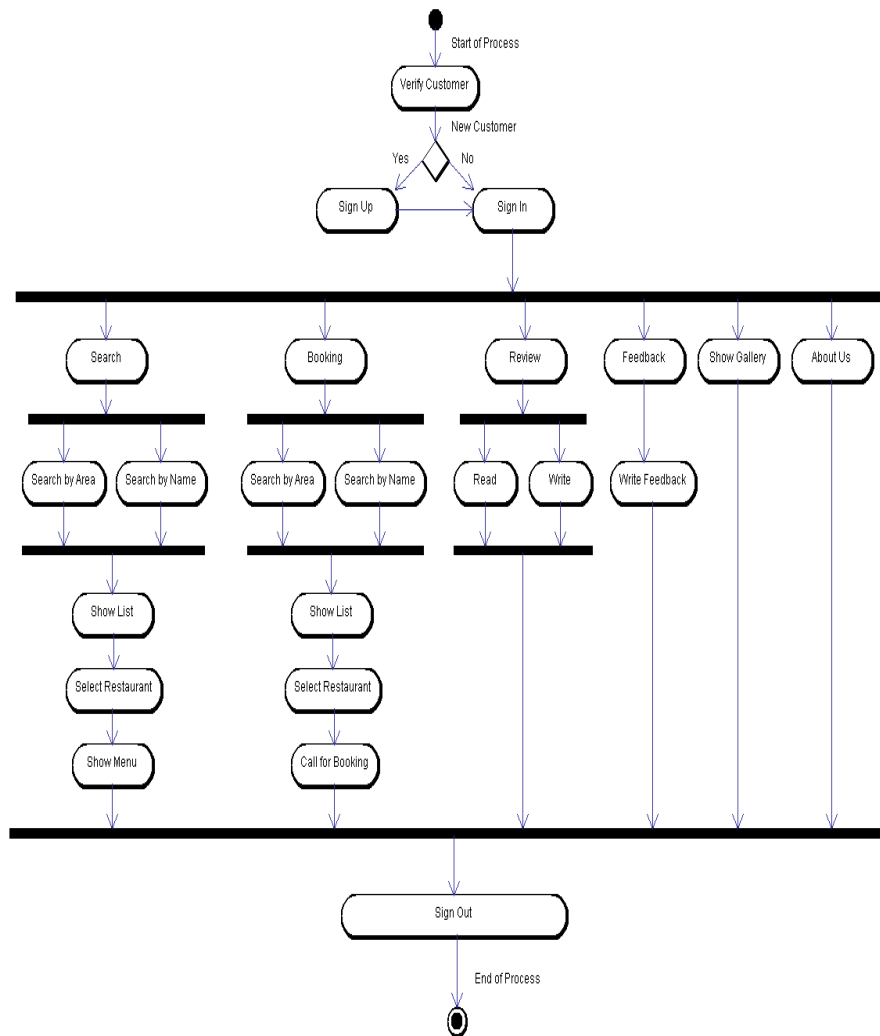
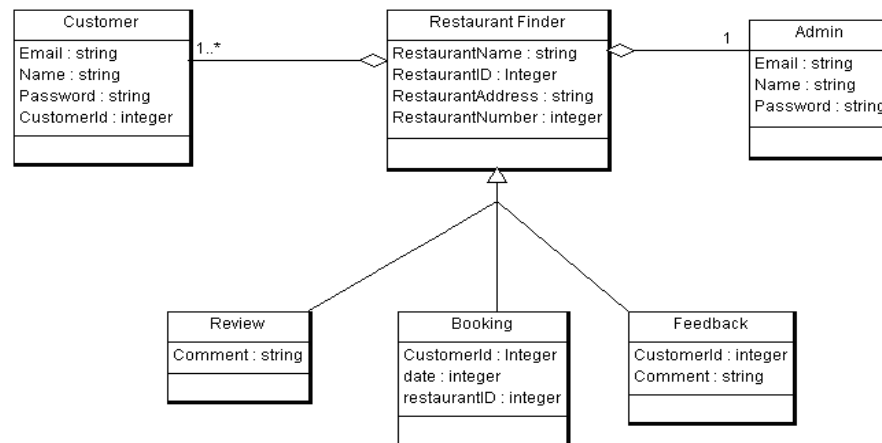Select Restaurant <<include>> Show Phone Number

Activity Diagram:

Class Diagram:

Future Plans:

This application can be improved in many ways and can be extended to Android Application. Following are the some of the possible extensions:

- The application can be extended to provide a more advanced search by taking the zip code as the input.
- We will give a distance where all the restaurants in the distance range can be displayed irrespective of the city.
- The user can post on social media through our site.
- Can rate the dishes he likes at a particular restaurant.
- We will implement a blog in our site.
- Can invite friends at a particular restaurant for any special occasion.
- We are planning to do our background work with PHP framework (LARAVEL) instead of raw php.

Reference:

- https://urbantastebud.com/

- https://kepler-project.org/developers/reference/software-development-guidelines

- https://www.eol.ucar.edu/content/software-development-guidelines

- https://learntocodewith.me/posts/become-a-software-engineer/

- https://www.tripadvisor.com/Restaurants

- https://www.zomato.com/kolkata

- https://www.zagat.com/