



# Final Report

Phase 2

SWE363-162, Group 9

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# **Implementation Details**

## Technologies and Tools:

- XAMPP: Local server (WEB/DB Server).
- ii.
- iii. CSS
- Bootstrap: A library of CSS classes
- JavaScript ٧.
- vi. PHP
- vii. MySQL



## **GUI Screen Shots:**

## Homepage

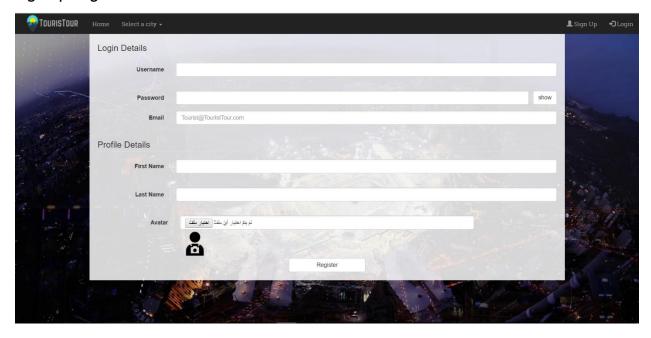


## Login Page





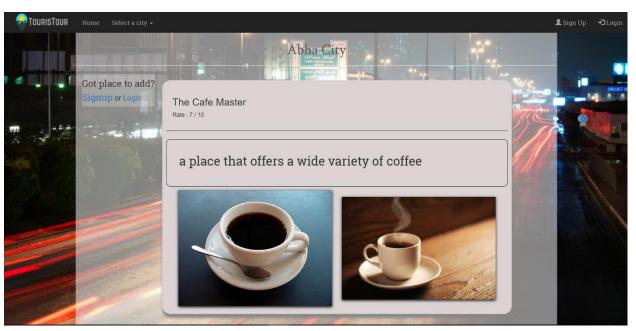
#### Sign-up Page



#### City Page

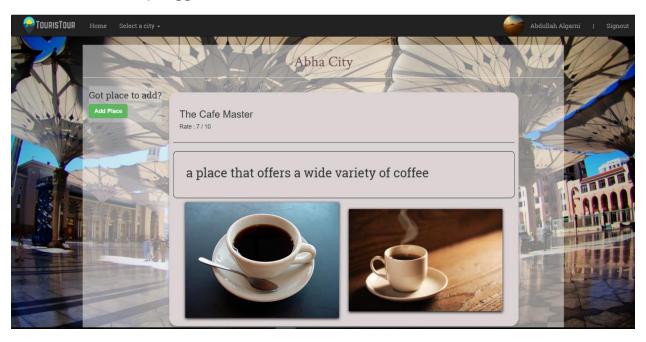
The city page contains the added places and it is shown after the city is selected

## Scenario #1: Not Logged in.



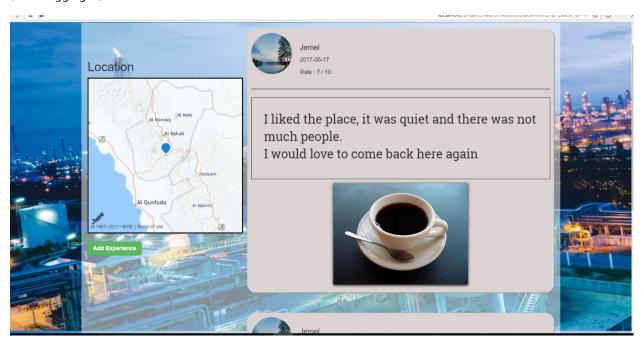


#### Scenario #2: Already Logged in.



#### Place Page

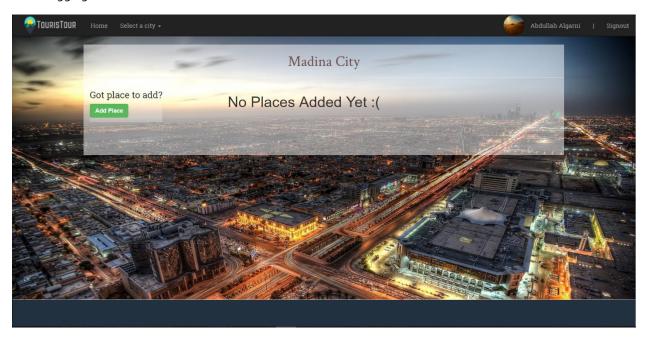
It contains what users have posted and it will show up after clicking one of cards on the City Page (After logging in).





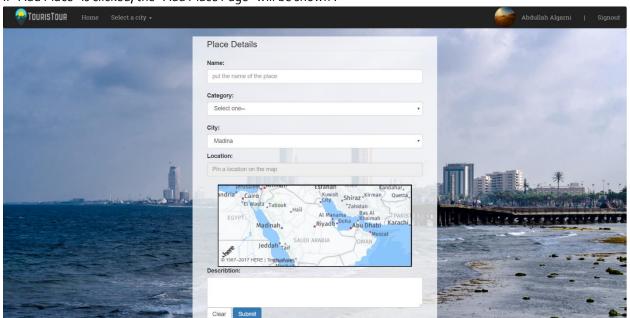
#### **Empty city Page**

Now, let's get back to the City Page. If the city has not places added to it, the following will be shown. (After logging in).



#### Add Place page

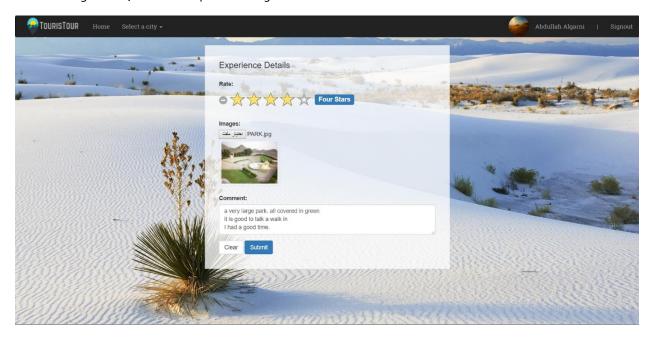
If "Add Place" is clicked, the "Add Place Page" will be shown:





#### Add Experience page

After clicking submit, the "Add Experience Page" will be shown.



#### Place Page

After clicking Submit, the "Place Page" of this place will be appear, and it will show the recent added post.





#### Source Code:

#### **Database Operation Functions (PHP)**



#### Add Experience Code (PHP)



#### Add Place Code

#### Place Page View (PHP and HTML)

```
94 ▼ <div class="col-md-8">
    ?php
   require $rootPath . 'cards/placeStyle.php';
97▼ · if(isset($_GET['place_id'])) {
98 * selectedPlaceId = $_GET['place_id'];
   $ExpArray = $query->getExp($selectedPlaceId);
100 ▼ ····for·($i·=·0·;·$i<count($ExpArray)·;·$i++){
101 ···· $exp·= $ExpArray[$i];
102 *** ** $comment = $exp->comment;
110 · · · · require $rootPath · · 'cards/expCard.php';
112 ··}
113 ··?>
   </div>
```



#### Place Card Template (PHP and HTLM)

```
<div class="place-card" placeId="<?php echo $p id ?>">
<div class="user-info">
.... <h3><?php echo $name ?></h3>
···· <h5><?php·echo-$rate-?></h5>
</div>
···· <hr·style="border-top-color: black">
<div class="comment">
<?php·echo·$desc·?>
/p>
</div>
<div class="exper-imgs">
<?php foreach ($images as $img): ?>
.... <img class="exper-img" src="<?php echo $img ?>">
<?php endforeach ?>
</div>
</div>
```

#### Map (JavaScript)



#### City Page of Places (PHP and HTML)



## Open source code reusability:

#### Here maps

"Here" maps services are chosen to provide us with this service instead of google map because it is updated periodically and cover more spaces than google map. Moreover, "Here" map API is easier to understand. For these reasons, it is used as navigation services in many cars companies like BMW, AUDI, and HYUNDAI.

It is a JavaScript code with its links or library (API). There are some examples and explained codes in their website. We read it and understand it well and then we start coding our map in the website. Also, they provide us and their customers with 24/7 customer service.

#### Bootstrap framework

Was used as a front-end framework to facilitate building consistent web pages and to speed up the development of the web front -end.

#### Star rating plugin for bootstrap

Was also used to convert an HTML element to stars and to supports advanced features likes fractional star rating. And we choose this specific code because it uses Bootstrap markup and styling by default. And because the code is very understandable and easy to change.



## Conclusion

#### Learnings from the project

- Group work is only productive when organized
- Always do dependent tasks first
- Having multiple communication channels is harmful

#### Limitations of your work

- It only covers the region inside Saudi Arabia.
- No supervision over the content

## What would you do differently if you had more time

- Profile Page for users
- Statistics information appended to the "City Page of Places"
- Suggestion Page: the user can select a city and his desired description about the place he wants to see. Then, based on keywords in the description, a list of places will be suggested to the user.
- Notify Me Service: a service where users can set to a certain place, so that when a new experience is added to place, a notification will be sent to the user's email.
- Add more exciting visual effects.
- Completely responsive design



# Worksheet

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 Alothman	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 Alothman	7/5/2017	8/5/2017
10	Setup PHP files for our HTML files	All members	8/5/2017	11/5/201 7
11	Integrate MySQL database with PHP.	All members	11/5/2017	12/5/201 7
12	Milestone: deliver first draft of project		13/5/2017	
13	Testing the website by trying different test cases	All members	14/5/2017	
14	Milestone: Deliver Final Project and Presentation		15/5/2017	