

CPS630: Project Iterations I and II

TEAM 14

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Project Objectives

Pages

We implemented a home page that gives users the option to select a specific country's attraction from a variety of dropdown menus. In addition, the search function allows them to easily search for a location to see if it is available on our database. Clicking on the read more button will redirect the user to a new page that will give further information/images on the selected location, as well as suggested locations they could visit. Our shopping cart page will provide guests with the ability to view and select travel packages for purchase.

Languages and Tools

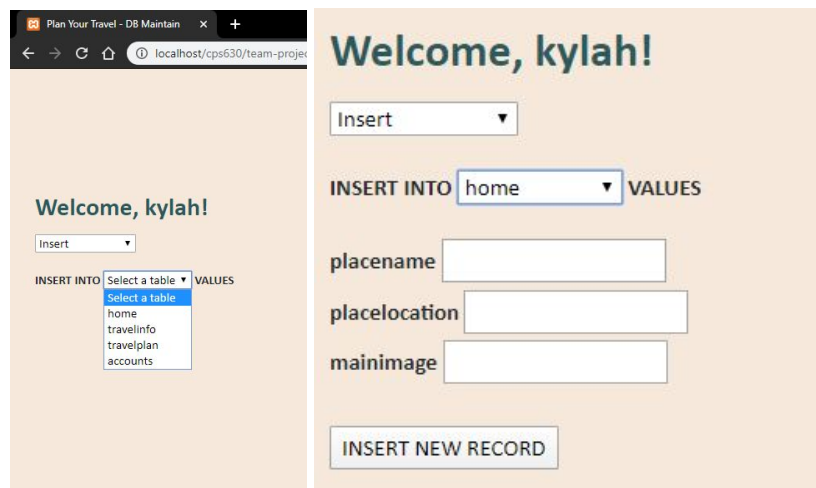
We used a variety of languages/frameworks including:

- HTML
- Javascript
- CSS
- Bootstrap
- phpMyAdmin

We also used XAMPP as our tool for hosting our site and organizing our database.

DB Maintain Code: dbmaintain.php

INSERT into TABLE



The screenshot shows a web browser window with the address bar displaying 'localhost/cps630/team-proje'. The page has a light orange background and a green header that says 'Welcome, kyla!'. Below the header, there is a form with a dropdown menu labeled 'Insert'. Below this, there is a section labeled 'INSERT INTO' with a dropdown menu for 'Select a table' showing options: 'home', 'travelinfo', 'travelplan', and 'accounts'. To the right of this dropdown is the word 'VALUES'. Below these are three input fields labeled 'placename', 'placelocation', and 'mainimage'. At the bottom of the form is a button labeled 'INSERT NEW RECORD'.

SQL Code (PHP):

```
"INSERT INTO home(placename, placelocation, mainimage)VALUES  
('".$_POST["placename"].",".$_POST["placelocation"].",".$_POST["mainimage"].")";
```

DELETE from TABLE

Welcome, kyla!

Delete ▼

DELETE from

Select a table ▼
Select a table
home
accounts

Welcome, kyla!

Delete ▼

DELETE from accounts ▼

Delete

id	username	password	
1	kyla	cps630	<input type="checkbox"/>
2	tsip	password	<input type="checkbox"/>
3	ecolaco	cps630	<input type="checkbox"/>

SQL Code (PHP):

```
"DELETE from home WHERE place_id=".$deleteid;
```

SELECT * FROM TABLE

Welcome, kyla!

Select ▼

SELECT * FROM

Select a table ▼
Select a table
home
travelinfo
travelplan
accounts

Select ▼

SELECT * FROM accounts ▼

id	username	password
1	kyla	cps630
2	tsip	password
3	ecolaco	cps630

SQL Code (PHP):

```
"SELECT * FROM home"
```

UPDATE TABLE SET

Welcome, kyla!

Update ▼

UPDATE

Select a table ▼
Select a table
accounts

 SET

Update ▼

UPDATE accounts ▼ SET

Update Selected Records

<input type="checkbox"/> Check	id	Username	Password
<input type="checkbox"/>	kyla	kyla	cps630
<input type="checkbox"/>	tsip	tsip	password
<input type="checkbox"/>	ecolaco	ecolaco	cps630

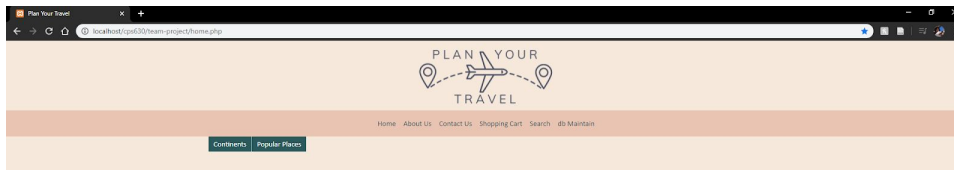
SQL Code (PHP):

```
"UPDATE accounts SET username='".$username."',password='".$password.'"
WHERE id=".$updateid;
```

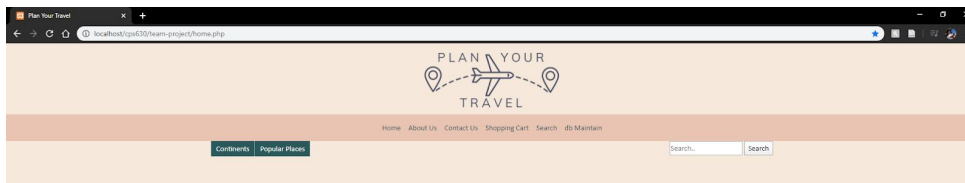
Design and Layout

All our pages use the Bootstrap framework to create a responsive system that can be accessed from many browsers/platforms. Each page that the viewer interacts with has a navigation bar at the top that allows them to go to the home page, the about us page, the contact us page, the shopping cart and the database maintain page.

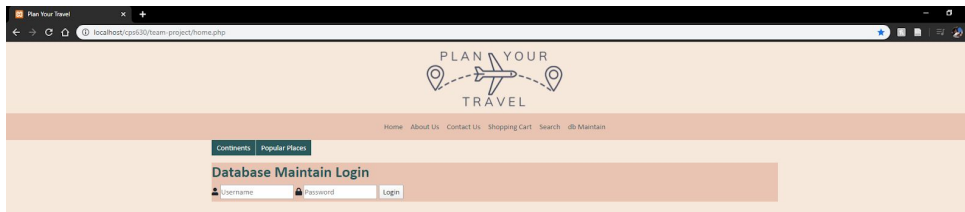
MAIN PAGE



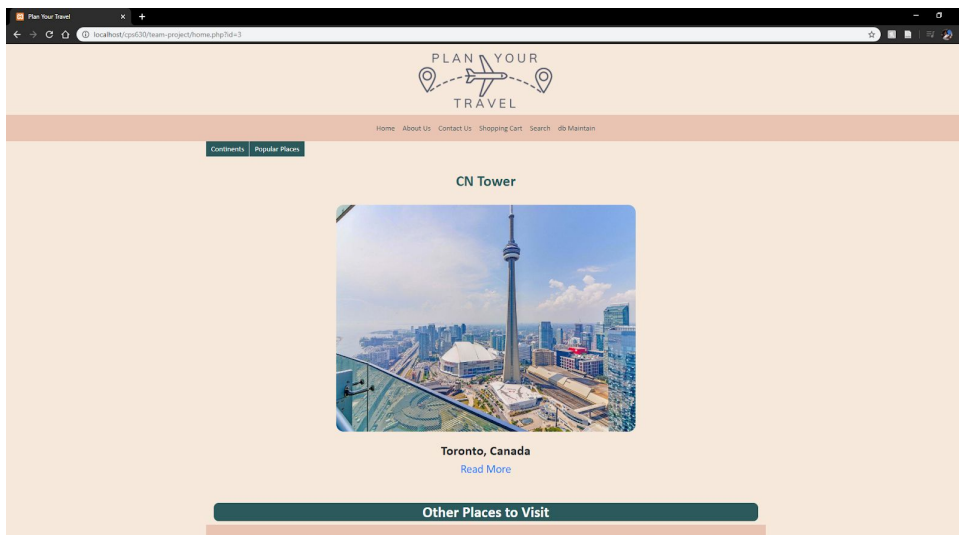
MAIN PAGE: search function shown



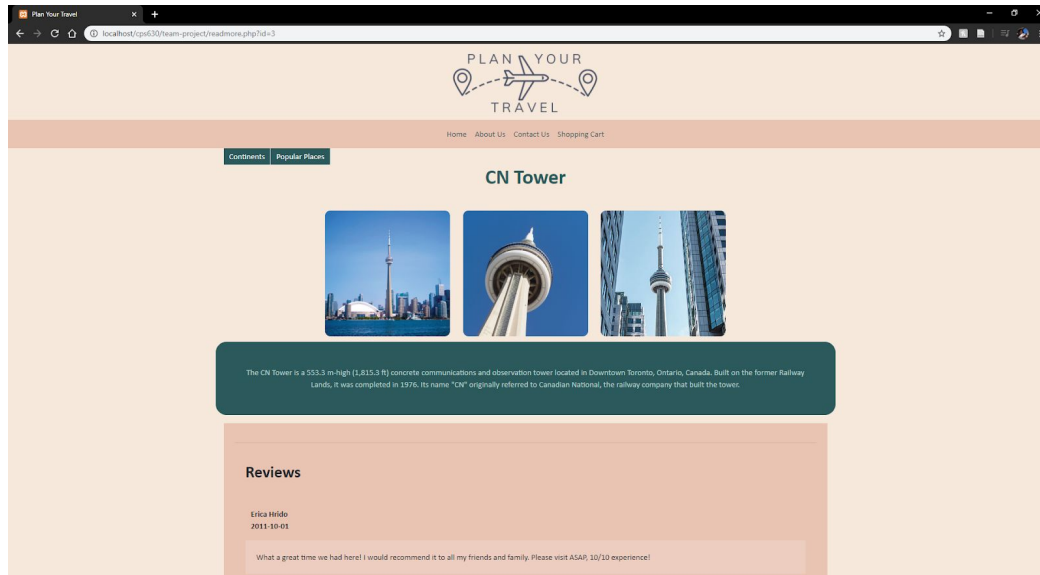
MAIN PAGE: db maintain login shown



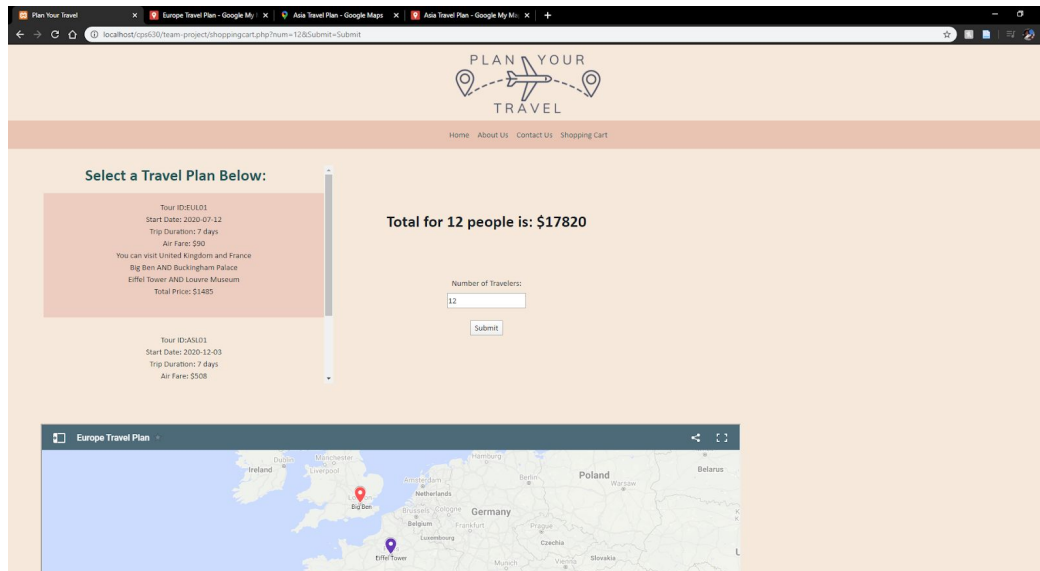
THE HOME PAGE WHEN A USER SELECTS AN ATTRACTION:



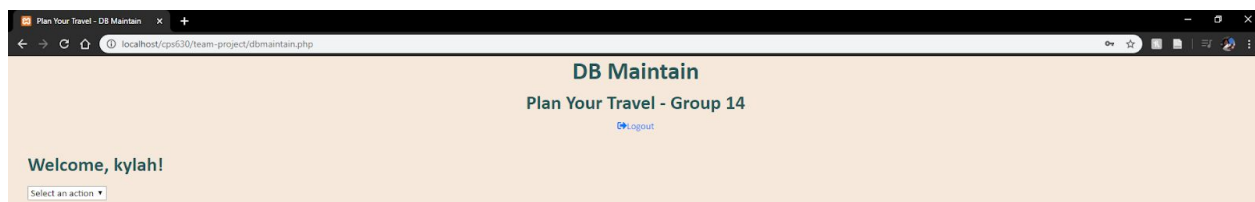
THE READ MORE PAGE FOR THE ATTRACTION USER SELECTED



SHOPPING CART PAGE



DB MAINTAIN PAGE



Database Design and Structure

Name: home

Fields: place_id, placename, placelocation, mainimage

Primary Key: place_id

This table provides the foreign key for the closedistances, landmarks, nature and museums tables.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	place_id	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	placename	varchar(255)	utf8mb4_general_ci	No	None			Change Drop More
<input type="checkbox"/>	3	placelocation	varchar(255)	utf8mb4_general_ci	No	None			Change Drop More
<input type="checkbox"/>	4	mainimage	varchar(255)	utf8mb4_general_ci	No	None			Change Drop More

Name: travelinfo

Fields: place_id, placename, photo1, photo2, photo3, place_desc

Primary Key: place_id

This table is connected to the home table, review table and

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	place_id	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	place_name	varchar(255)	utf8mb4_general_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	3	photo1	varchar(500)	utf8mb4_general_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	4	photo2	varchar(500)	utf8mb4_general_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	5	photo3	varchar(500)	utf8mb4_general_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	6	place_desc	varchar(4000)	utf8mb4_general_ci	Yes	NULL			Change Drop More

Foreign key constraints					
Actions	Constraint properties		Column	Foreign key constraint (INNODB)	
Drop	travelinfo_ibfk_1		place_id	Database	Table
				cps630	home
					Column
					place_id
	ON DELETE NO ACTION				
	ON UPDATE NO ACTION				

Name: review

Fields: place_id, rev_name, rev_date

Primary Key: place_id

This table is connected to the travelinfo table, they share place_id's.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	place_id	int(11)		Yes	NULL			Change Drop More
<input type="checkbox"/>	3	rev_name	varchar(255)	utf8mb4_general_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	4	rev_date	date		Yes	NULL			Change Drop More
<input type="checkbox"/>	5	review	varchar(4000)	utf8mb4_general_ci	Yes	NULL			Change Drop More

Foreign key constraints

Actions	Constraint properties	Column	Foreign key constraint (INNODB)		
			Database	Table	Column
Drop	review_ibfk_1	place_id	cps630	travelinfo	place_id
	ON DELETE: RESTRICT	+ Add column			
	ON UPDATE: RESTRICT				

Name: closedistances

Fields: attID, placeA, placeB, imageA, imageB, locA, locB, place_id

Primary Key: attID

This table references the home table to get the foreign key "place_id".

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	attID	int(11)			No	None			Change Drop More
2	placeA	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
3	placeB	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
4	imageA	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
5	imageB	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
6	locA	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
7	locB	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
8	place_id	int(11)			Yes	NULL			Change Drop More

Foreign key constraints

Actions	Constraint properties	Column	Foreign key constraint (INNODB)		
			Database	Table	Column
Drop	closedistances_ibfk_1	place_id	cps630	home	place_id
	ON DELETE: RESTRICT	+ Add column			
	ON UPDATE: RESTRICT				

Name: landmarks

Fields: place_id, placename, placelocation, mainimage

Primary Key: place_id

This table references the home table to get the foreign key "place_id".

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	place_id	int(11)			No	None			Change Drop More
3	placename	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	placelocation	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Foreign key constraints

Actions	Constraint properties	Column	Foreign key constraint (INNODB)		
			Database	Table	Column
Drop	landmarks_ibfk_1	place_id	cps630	home	place_id
	ON DELETE: RESTRICT	+ Add column			
	ON UPDATE: RESTRICT				

Name: nature

Fields: place_id, placename, placelocation, mainimage

Primary Key: place_id

This table references the home table to get the foreign key "place_id".

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 place_id	int(11)			No	None			Change Drop More
<input type="checkbox"/>	3 placename	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	4 placelocation	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Foreign key constraints

Actions	Constraint properties	Column	Foreign key constraint (INNODB)		
			Database	Table	Column
Drop	nature_ibfk_1	place_id	cps630	home	place_id
	ON DELETE	+ Add column			
	ON UPDATE				
	Constraint name				
	ON DELETE	+ Add column			
	ON UPDATE				
+ Add constraint					

Name: museums

Fields: place_id, placename, placelocation, mainimage

Primary Key: place_id

This table references the home table to get the foreign key "place_id".

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 place_id	int(11)			No	None			Change Drop More
<input type="checkbox"/>	3 placename	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	4 placelocation	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Foreign key constraints

Actions	Constraint properties	Column	Foreign key constraint (INNODB)		
			Database	Table	Column
Drop	museums_ibfk_1	place_id	cps630	home	place_id
	ON DELETE	+ Add column			
	ON UPDATE				

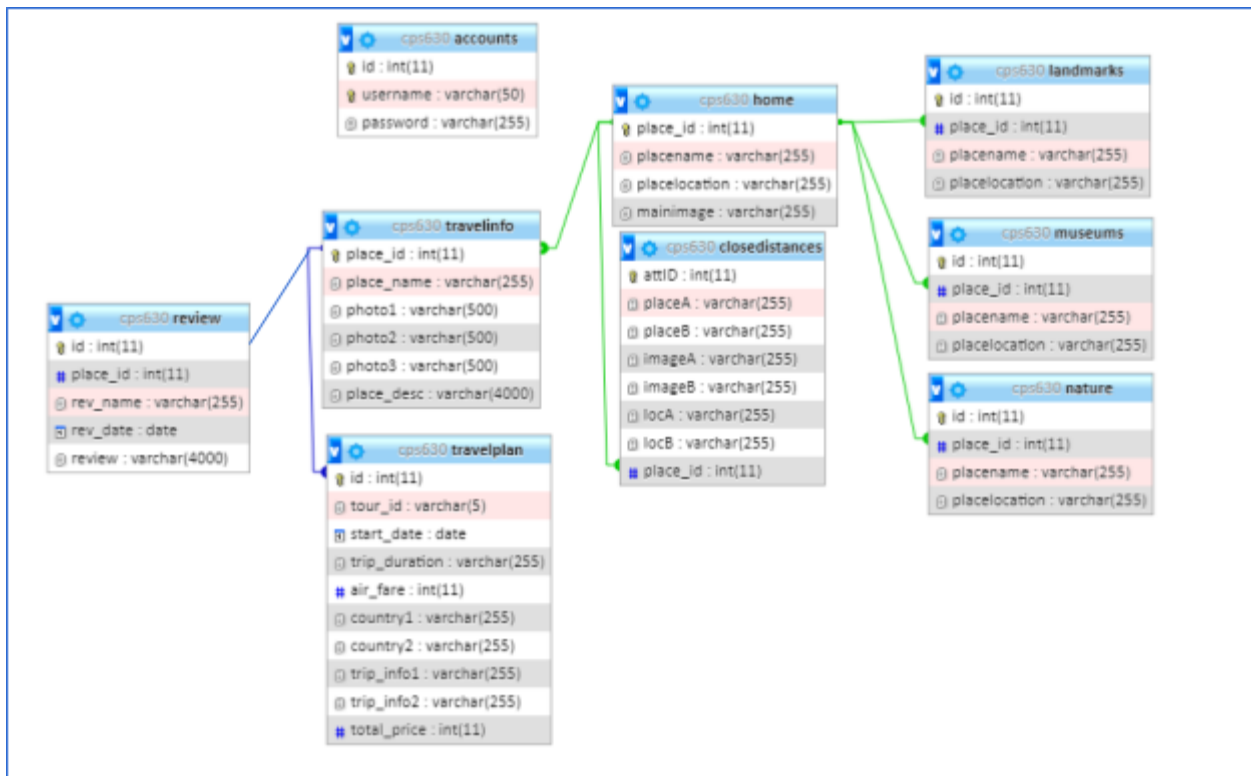
Name: accounts

Fields: id, username, password

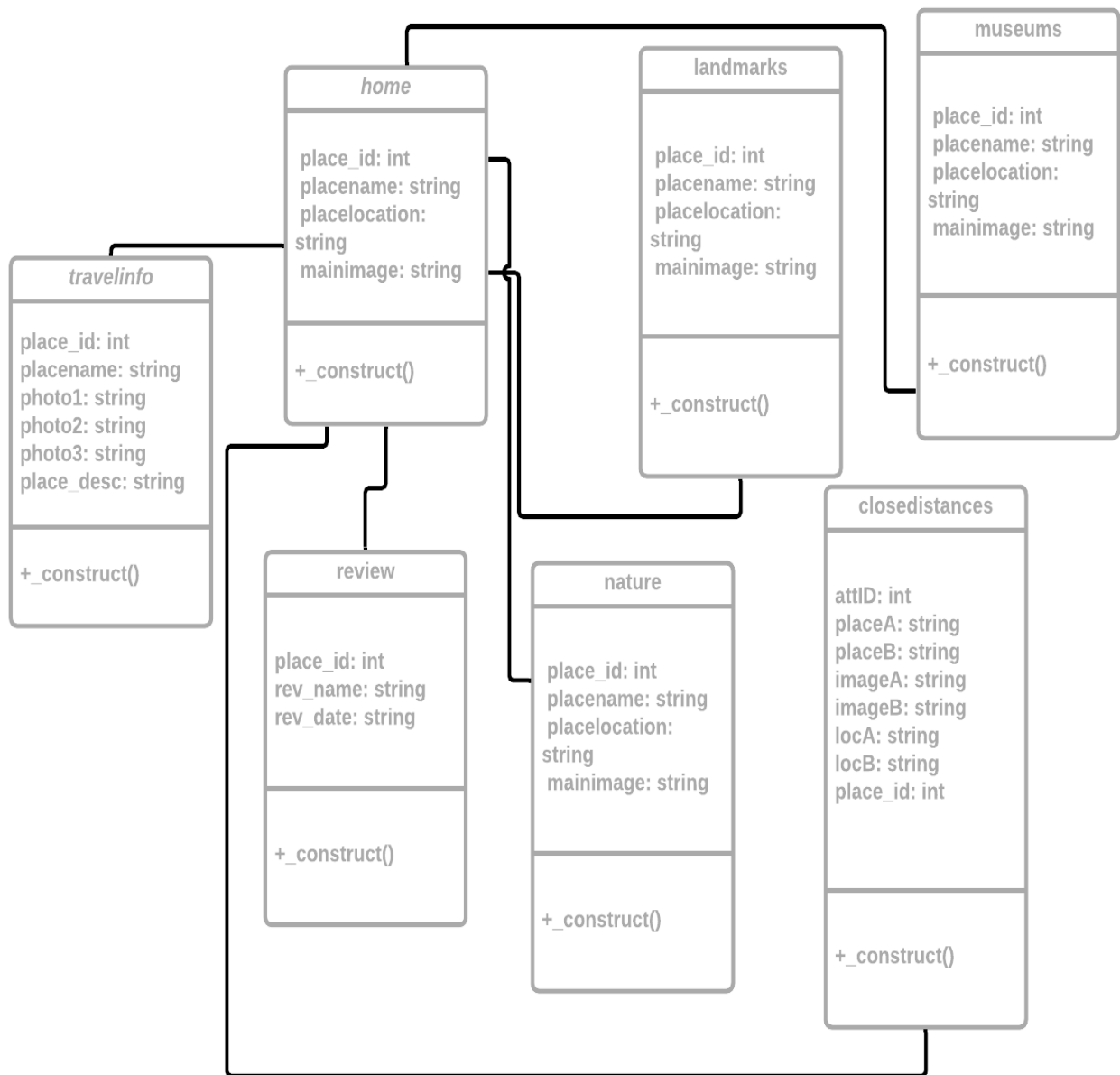
Primary Key: id

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	username	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
3	password	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More

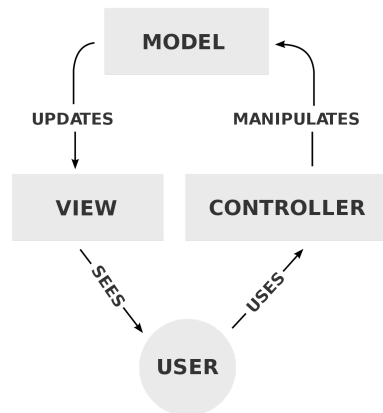
Database Schema Design



Class Diagram



MVC Pattern



Model:

The model in our architecture is our databases and all the data they contain. This includes tables such as the home table, travelinfo table and review table. To access and manipulate our database, we used PHP.

View:

The view in our project is our user interface, which was mainly built using HTML/CSS. We also used the Bootstrap framework to make our design more responsive. Our UI design displayed the table data in an

attractive manner.

Controller:

The controller in our architecture is the database maintain page. This page is only accessed by valid database administrators; records only found in our accounts table. The controller allows a database admin to manipulate our database tables by inserting new records, updating records, deleting records and or selecting records. The controller was implemented using HTML, CSS, JavaScript, jQuery and PHP.

Task Contribution

Team Member	Tasks	Percent
Erica Colaco	<ul style="list-style-type: none">• Created accounts, travelinfo, and review database tables• Designed both client and server side of Read More and Shopping Cart pages• Provided outline and wording of technical report• Created class diagram• Chose colour scheme and designed logo• Compiled information for each attraction• Created the travel plans	40%
Kylah Santos	<ul style="list-style-type: none">• Created the home, closedistances, museums, nature, landmarks database tables• Designed both client and server side of Home and DB Maintain pages• Implemented the dropdowns for the attractions• Implemented the search function in the main page• Implemented the login process for the DB Maintain, so only valid db admins can access it• Contributed to the technical report, providing screenshots and Database Schema	40%

Ting Ip	<ul style="list-style-type: none">• Implemented About Us and Contact Us modules• Created outline using PHP classes	20%
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