



Bilkent University
Department of Computer Engineering

CS 353 - Database Management Systems

Online Accommodation System

Final Report

Group 3

Çağlar Alim Ağlar	21101255
Ege Berkay Gülcan	21400461
Irmak Türköz	21400487

1 Description of Application	2
1.1 How to Rent Out a Condo	2
1.2 How to Rent a Condo	2
2 E/R Diagram	3
3 List Of Tables (SQL is excluded)	3
3.1 Entity Sets	3
3.2 Relation Sets	5
4 Implementation	6
5 Sample Outputs	6
6 User's Manual	7
6.1 How to Register (Create A New Account)	7
6.2 How to Login	9
6.3 How to Add/Edit/Delete Accommodations as A Host	9
6.4 How to Search & Reserve	10
6.5 How to Add/Edit/Delete Offering As Host	11
6.6 How to write review to the host	12
6.7 How to cancel a reservation	13
7 Codes Produced	13
7.1 SQL Codes From MySQL	13
7.1.1 Create Table Statements	13
7.1.2 Views	15
7.2 PHP / HTML / CSS Codes	15
7.2.1 Accommodations.php	15
7.2.2 addAcc.php	21
7.2.3 addOff.php	27
7.2.4 cancelRes.php	28
7.2.5 deleteAcc.php	29
7.2.6 deleteOff.php	32
7.2.7 home.php	33
7.2.8 info.html	33
7.2.9 login.php	33
7.2.10 logout.php	35
7.2.11 modifyAcc.php	35
7.2.12 modifyOff.php	44
7.2.13 offerings.php	46
7.2.14 offerPage.php	48
7.2.15 profile.php	52
7.2.16 redirect.php	53
7.2.17 register.php	54
7.2.18 res.php	56
7.2.19 review.php	58
7.2.20 search.php	60
7.2.21 stylesheetaddacc.css	62
7.2.22 stylesheetlogin.css	64
7.2.23 stylesheetregister.css	65
7.2.24 stylesheetsearch.css	66
7.2.25 writeRev.php	67
7.2.26 stylesheetaccommodations.css	69

1 Description of Application

Online Accommodation System is a short-term renting house organizer application. The user may either be owner or client, can survey through database system of accommodations, which consists of either a room or entire house as type, so you users are not allowed to rent more than one room, but they can only rent entire house. This database also keeps the ratings / comments about each and every user (owners or clients) so that a user can consider the offer more accurately. This system also holds information for reservation details (such as confirmation, dates etc.), utilities of accommodation, address of accommodation and payment information.

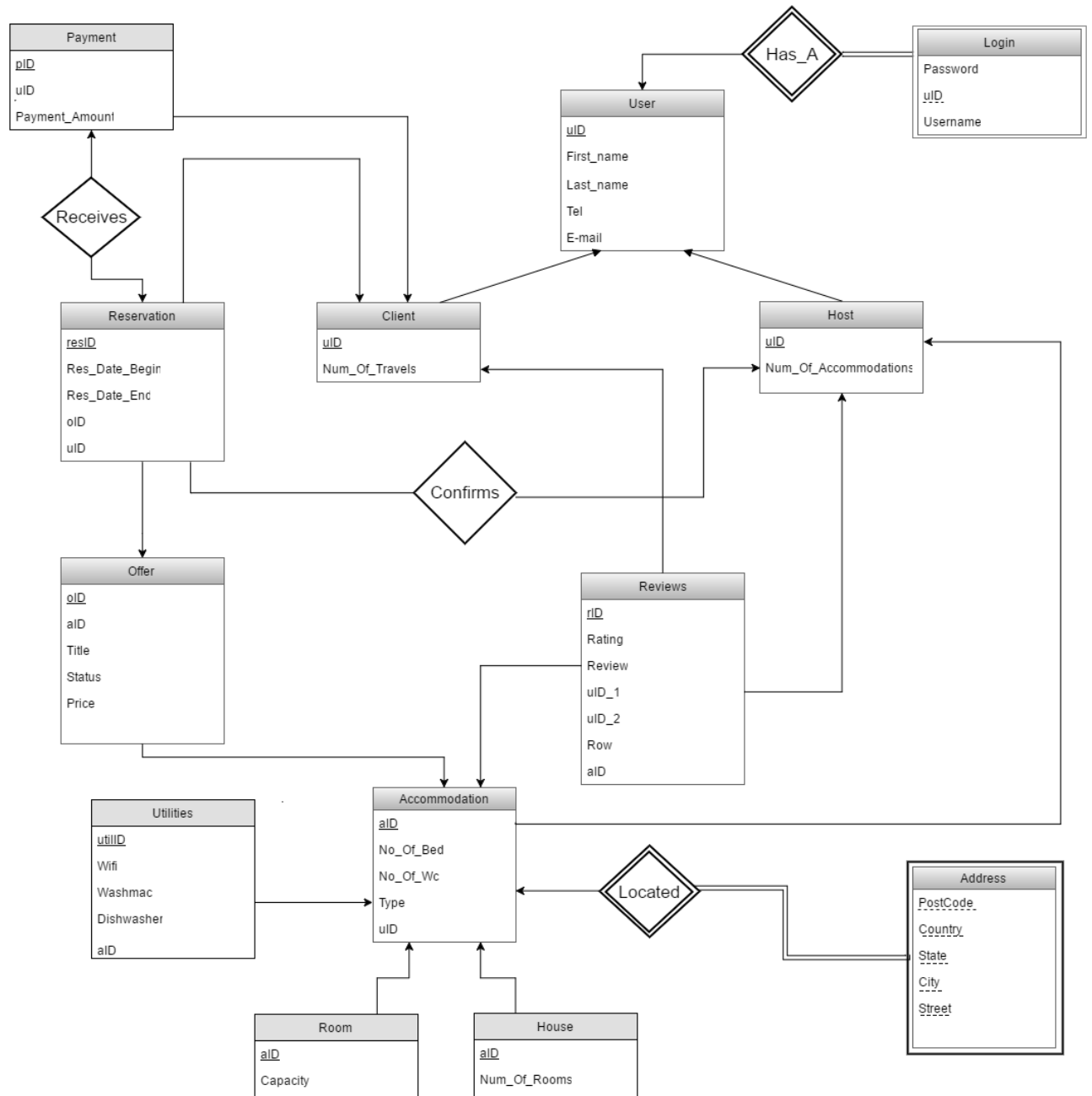
1.1 How to Rent Out a Condo

To rent out a condo, users have to create an account as an owner. After creating and logging in the application, owners are able to add a room or house to the system by providing an open address, price, features, and pictures of their property. After adding a condo to the system, it is possible to edit the features of the condo or remove it from the system. Owners are also able to edit their profile settings.

1.2 How to Rent a Condo

To rent a condo, users have to create an account as a client. After creating and logging in the system, the clients are able to search a place to rent. There are multiple search parameters, such as city, county, date, price, rating, and search with combination of these parameters is supported. After the search, clients are able to view the condos, and see the features, pictures, address of the condo. They are also able to read the comments of the clients -who have rented the condo before- about the condo and the owner. If client decides to rent the condo, he can simply create a reservation and make the online payment or pay in person to the owner, after staying in the condo. After the trip, clients are able to see their past reservations and current reservations. They can edit or cancel the current reservations and they can write a review about their old reservations or rate them.

2 E/R Diagram



3 List Of Tables (SQL is excluded)

3.1 Entity Sets

Payment(pID, payment_account)

Candidate Keys -> pID
Primary Key -> pID
FD -> pID -> payment_account
Normal Form -> BCNF

Reservation(resID, res_date_begin, res_date_end)

Candidate Keys -> resID
Primary Key -> resID
FD -> resID -> res_date_begin, res_date_end
Normal Form -> BCNF

User(uID, first_name, last_name, tel, email)

Candidate Keys -> uID
Primary Key -> uID
FD -> uID -> name, last_name, tel, email
Normal Form -> BCNF

Client(uID , num_of_travels)

Candidate Keys -> uID
Primary Key -> uID
Foreign (uID) -> **references** User(uID)
FD -> uID -> num_of_travels
Normal Form -> BCNF

Host(uID, num_of_accommodations)

Candidate Keys -> uID
Primary Key -> uID
Foreign (uID) -> references User(uID)
FD -> uID -> num_of_accommodations
Normal Form -> BCNF

Login(password,uID)

Candidate Keys -> uID
Primary Key -> uID
Foreign (uID) -> references User(uID)
FD -> uID-> password, uID
Normal Form -> BCNF

Reviews(rID, rating, review,uID_1,uID_2,aID)

Candidate Keys -> rID
Primary Key -> rID
Foreign key (uID_1) -> references Host(uID),
Foreign key (uID_2) -> references Client(uID),
Foreign key (aID) -> references Accommodation(aID)

FD -> rID> rID, rating, review,uID_1,uID_2,aID
Normal Form -> BCNF

Accommodation(aID, no_of_bed, no_of_wc, type,uID)

Candidate Keys -> aID
Primary Key -> aID

Foreign key (uID) -> references Client(uID)
FD -> aID -> aID, no_of_bed, no_of_wc, type,uID
Normal Form -> BCNF

Utilities (utilID,wifi, washmach, dishwasher, aID)

Candidate Keys -> utilID
Primary Key -> utilID
Foreign key (aID) -> references Accommodation(aID)
FD ->utilID ->utilID,wifi, washmac, dishwasher, aID
Normal Form -> BCNF

Offer (oID, aID, status, title, price)

Candidate Keys -> oID
Primary Key -> oID
Foreign key (aID) -> references Accommodation(aID)
FD -> oID -> oID, aID, status, title, price
Normal Form -> BCNF

Address (aID, postcode, country, state, city, street)

Candidate keys -> aID, postcode, country, state, city, street
Primary key -> aID, postcode, country, state, city, street
Foreign key (aID) -> references Accommodation(aID)
FD -> aID, postcode, country, state, city, street
Normal Form -> BCNF

House(aID,num_of_rooms)

Candidate Keys ->aID
Primary Key -> aID
Foreign key (aID) -> references Accommodation(aID)
FD -> aID-> aID,num_of_rooms
Normal Form -> BCNF

Room(aID,capacity)

Candidate Keys ->aID
Primary Key -> aID
Foreign key (aID) -> references Accommodation(aID)
FD -> aID-> aID,capacity
Normal Form -> BCNF

3.2 Relation Sets

Receives(pID, resID)

Candidate Keys -> pID, resID
Primary Key -> pID, resID
Foreign key (pID) -> references Payment(pID)
Foreign key (resID)-> references Reservation(resID)
FD -> pID, resID -> pID, resID
Normal Form -> BCNF

Confirms(hID, resID)

Candidate Keys -> uID, resID

Primary Key -> uID, resID

Foreign key (uID) -> references Host(uID)

Foreign key (resID) -> references Reservation(resID)

FD -> uID, resID -> hID, resID

Normal Form -> BCNF

4 Implementation

Our implementation of project as a group proceed with taking jobs apart for each member, gathering code at one source computer -since we needed to use only one database and testing / debugging on that particular computer. We used XAMPP to connect our localhost and MYSQL to create and implement our database on our source computer. We coded in html and php to communicate our database with the user.

The compiling and fixing the bugs was only possible from the computer that had the database since without having it, php's sql statements would give errors. This issue slowed much of our process. If we would have a server to connect our database, it would make it easier to take jobs need to be done into parts and solve the solutions separately.

As a more technical description of the implementation, the core language of the system is PHP. To do tasks such as form creation, database deletion, insertion, retrieval and update, session management and output generation PHP was the main tool. As the server platform we have used the Apache Server and the database we have used is MySQL Server.

To connect and access our database we used PHP functions such as `mysql_connect()`, `mysql_select_database()`, `mysql_query` and `mysql_fetch_array()`. To create forms and output messages, we have used the `echo` function of PHP by printing HTML forms and elements. Our session management, which is maintaining the login state and information of the user, was also done by the session services provided by PHP. With the created sessions we were also able to transfer data between pages.

We have enforced most of our constraints on the database tables upon their creation. However due to design mistakes and mistakes upon the table creations, we had to enforce some of our constraints after the table creation. To enforce the new constraints we've used `ALTER TABLE` and `ADD CONSTRAINT` statements in the MySQL editor and later on, we've used the phpMyAdmin interface to add and remove constraints from the tables.

Most of the problems we have experienced during the implementation were due to our inexperience in PHP. Our skill level on the language was the main limitation. Also due to time constraints, we were not able to implement JavaScript scripts to dynamically manage the web pages which limited us on our implementation and GUI designs.

5 Sample Outputs

```
Select R.res_date_begin as res_date_begin, R.res_date_end as res_date_end, R.resID as resID, A.type as type, Ad.country as country, A.aID as aID, Ad.city as city, Ad.street as street, A.uID as hID, R.res_date_begin as entry From Reservation R, Offer O,Accommodation A,Address Ad Where R.uID=1 and R.oID= O.oID and O.aID=A.aID and Ad.aID= A.aID
```

res_date_begin	res_date_end	resID	type	country	aID	city	street	hID	entry
2016-12-07	2016-12-09	1	H	Turkey	7	Ankara	1165	2	2016-12-07
2016-12-01	2016-12-02	2	H	United States of America	15	Gotham	Wayne Manor	5	2016-12-01
2016-12-13	2016-12-23	3	R	Turkey	14	Ankara	Bilkent University	8	2016-12-13
2017-01-17	2017-01-25	4	H	Turkey	12	Ankara	Handsome St.	7	2017-01-17

```
select * from user, login where user.uID=login.uID
```

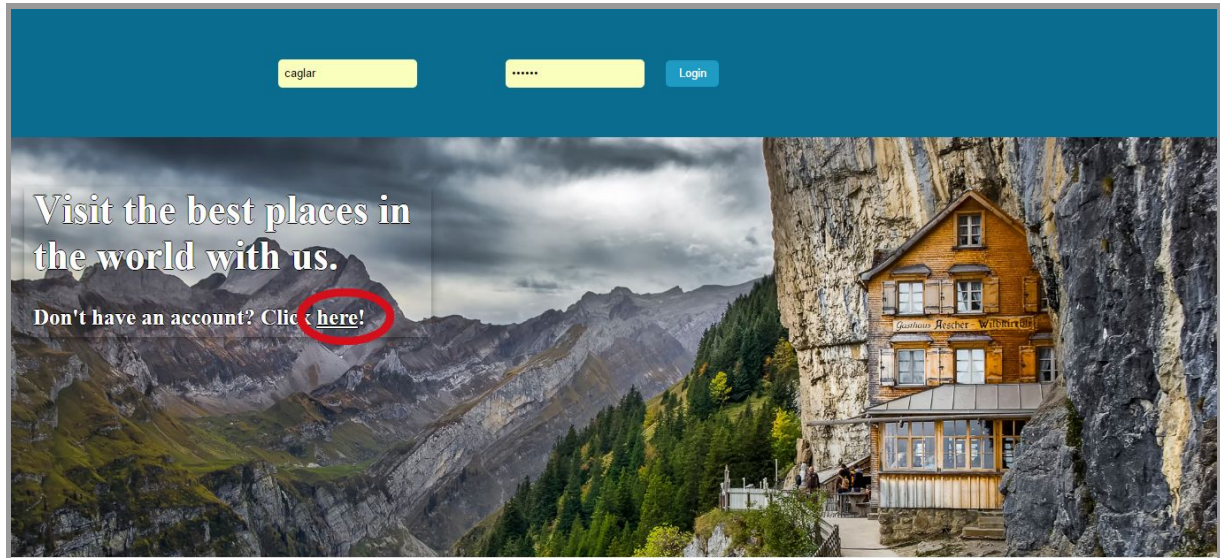
uID	first_name	last_name	tel	email	uID	username	password
1	Ege Berkay	GÃ¼lcan	5422070213	egeberkay12@gmail.com	1	Eldarfin	12345
2	Ege Berkay	GÃ¼lcan	XXXXXXXXXXXX	egeberkay18@gmail.com	2	egeberkay12	12345
3	irmak	turkoz	12385283	abc@gmail.com	3	irmachan	abc
4	John	Doe	5555555555	jdoe@jdoe.com	4	jdoe	12345
5	Bruce	Wayne	BATPHONE	batman@batman.com	5	IAmBatman	batman
6	YaÄŸmur BaÄŸak	Ã—zonay	XXXXXXXXXXXX	XXX@XXX.com	6	yozonay	12345
7	ErcÃ¼ment	Ã—iÃ—ek	123456789	cicek@cs.bilkent.edu.tr	7	cicek	12345
8	GÃ¼lce	Kale	123456789	gkale@cs.bilkent.edu.tr	8	gkale	123
9	BarÃ±ÄŸ	Poyraz	XXXXXXXXXXXX	barispoyraz@yakisikli.com	9	baris	12345

```
select * from user, accommodation where user.uID=accommodation.uID
```

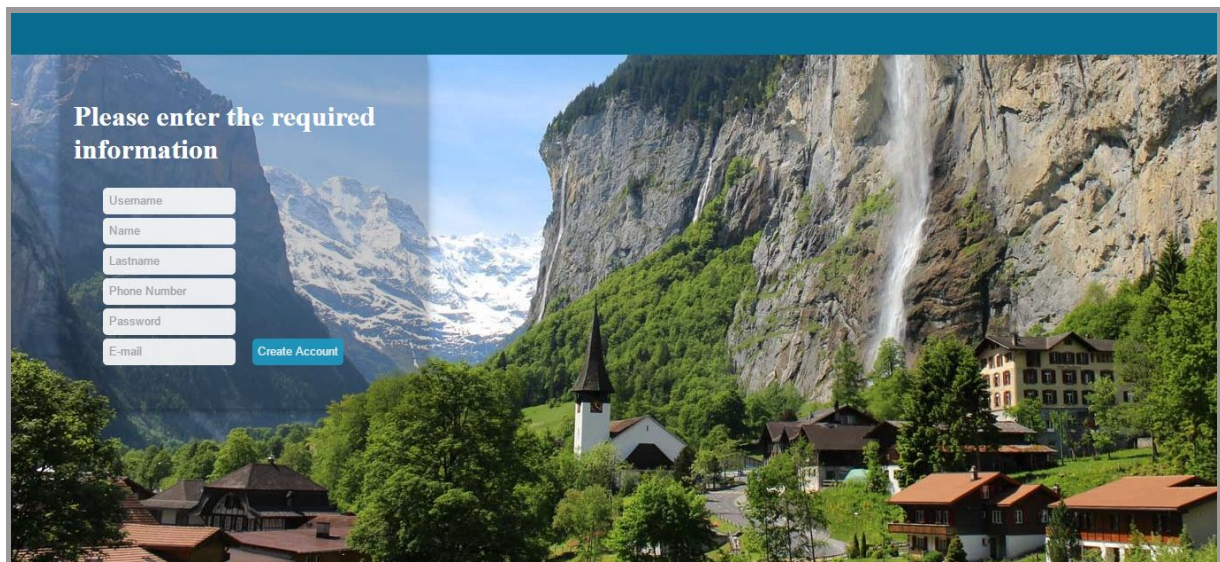
uID	first_name	last_name	tel	email	aID	no_of_bed	no_of_wc	type	uID
1	Ege Berkay	GÃ¼lcan	5422070213	egeberkay12@gmail.com	3	4	2	H	1
1	Ege Berkay	GÃ¼lcan	5422070213	egeberkay12@gmail.com	5	1	0	R	1
1	Ege Berkay	GÃ¼lcan	5422070213	egeberkay12@gmail.com	6	4	2	H	1
2	Ege Berkay	GÃ¼lcan	XXXXXXXXXXXX	egeberkay18@gmail.com	7	1	1	H	2
3	irmak	turkoz	12385283	abc@gmail.com	8	4	1	R	3
3	irmak	turkoz	12385283	abc@gmail.com	9	3	2	H	3
7	ErcÃ¼ment	Ã—iÃ—ek	123456789	cicek@cs.bilkent.edu.tr	10	2	2	H	7
7	ErcÃ¼ment	Ã—iÃ—ek	123456789	cicek@cs.bilkent.edu.tr	11	1	1	R	7
7	ErcÃ¼ment	Ã—iÃ—ek	123456789	cicek@cs.bilkent.edu.tr	12	5	8	H	7
8	GÃ¼lce	Kale	123456789	gkale@cs.bilkent.edu.tr	13	1	1	H	8
8	GÃ¼lce	Kale	123456789	gkale@cs.bilkent.edu.tr	14	7	3	R	8
5	Bruce	Wayne	BATPHONE	batman@batman.com	15	32	47	H	5
9	BarÃ±ÄŸ	Poyraz	XXXXXXXXXXXX	barispoyraz@yakisikli.com	16	5	8	H	9
1	Ege Berkay	GÃ¼lcan	5422070213	egeberkay12@gmail.com	17	0	0	H	1

6 User's Manual

6.1 How to Register (Create A New Account)

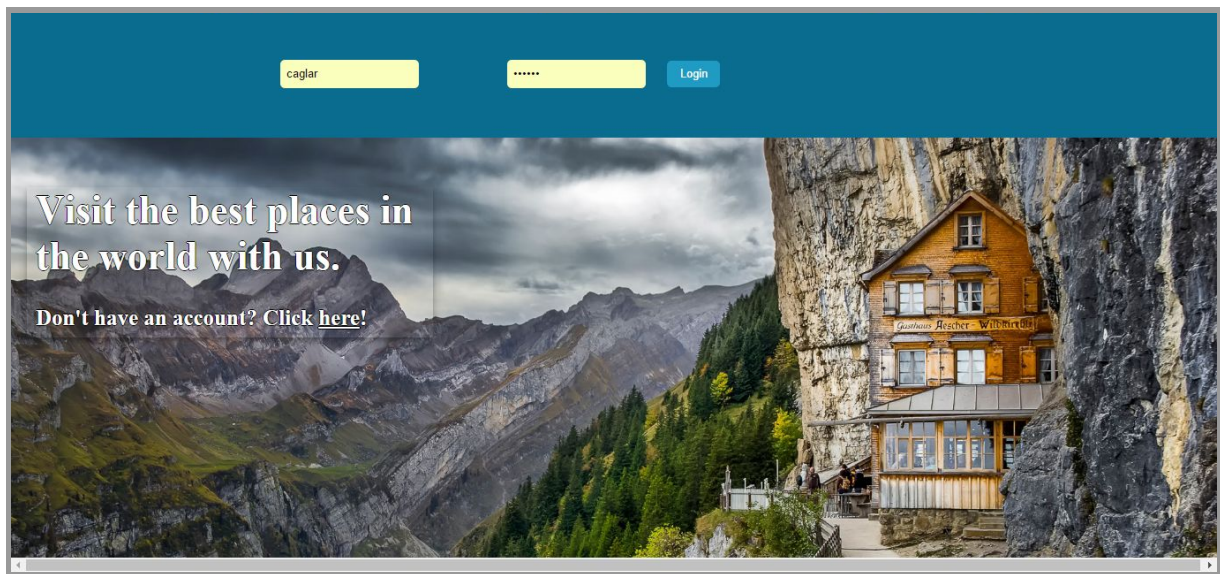


Click the red circled text to enter the register page.



Fill all the information above, once you fill all the space and click “Create Account”, you will be a member of the system.

6.2 How to Login



After creating a new account, you can login with your username and password which were created on the register page.

6.3 How to Add/Edit/Delete Accommodations as A Host

You can click on your profile at the home page, and then click the “Accommodations” button; after doing so a new page will be open. The page will show your accommodations list.

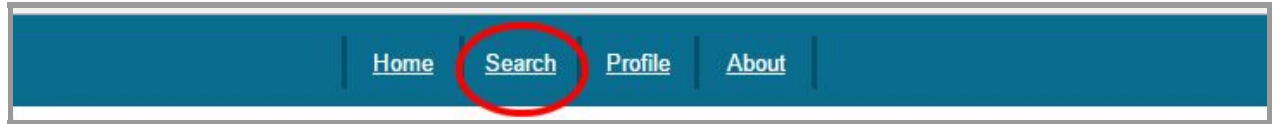
If you want to add a new accommodation, you first need to go to your own account. Afterwards you can click the top left “Add Accommodation” button; or if you want delete you may click on the top middle “Delete Accommodation” button; if you want to edit an already existing accommodation you can click on “Modify Accommodation” button.

Note that you can either rent the entire house or only one room to a client . Multiple room without including the whole house is not possible. You should also fill the each of the information during adding a new accommodation to fully inform the client.

If you click Add Accommodation you will see this page. First you need to choose whether accommodation type is room or house and click the button “Select

Type”. Afterwards, you can fill the rest of the boxes, once you finish filling; you may click to the “Create Accommodation” button.


6.4 How to Search & Reserve



To make a search, click the text “Search” on box. This will lead you to a page below.

A screenshot of a search form on a website. The form has a white background and is set against a dark blue header with navigation links: 'Home', 'Search', 'Profile', and 'About'. The form contains several input fields: 'Country' with a globe icon, 'City' with a city skyline icon, a date field with a calendar icon and placeholder 'gg . aa . yyyy', another date field with a clock icon and placeholder 'gg . aa . yyyy', and a 'Number of guests' field with a group of people icon. A 'Search' button is located to the right of the date and guest fields.

Fill in the areas that you desire your accommodation. Enter your desired date of begin by clicking to the

box  gg . aa . yyyy

pick your date and enter your desired date end to the

box  gg . aa . yyyy

. After filling the required areas, click the “Search” button to search through offerings. Click the link of the offering you want to see the details of. You may reserve by clicking the “Reserve” button.

A screenshot of a listing page for a property titled 'Best House!'. The listing includes the following details: Price: 65.00, Host: Ege Berkay Gülcan (underlined), Address: 1165 Ankara Turkey 06400, Number of beds: 1, Number of bathrooms: 1, Number of rooms: 1, Wifi: Yes, Washing Machine: Yes, and Dishwasher: Yes. At the bottom of the listing, there is a 'Reserve' button, which is circled in red.

6.5 How to Add/Edit/Delete Offering As Host

Note that once you create accommodation, you should also create offering to provide service to the client. To create offering, go to your profile, click the button offerings.

Welcome to Ege Berkay Gülcan's profile!

Name, Lastname:	Ege Berkay Gülcan
E-mail:	egeberkay12@gmail.com
Phone Number:	5422070213
Number of travels:	3
Number of accommodations:	3

[Reservations](#)
[Offerings](#)
[Accommodations](#)
[Reviews](#)

Then you will see this page:

[Add Offering](#) [Delete Offering](#) [Modify Offering](#)

Offering Number 1

Title:	Best place ever!
Type:	Room
Address:	Turkey - Ankara
Price:	85.00

To add a new offering click "Add Offering", to delete an offering you have created before click "Delete Offering". To modify an offering that already exists click "Modify Offering". Once you select add offering, you will see this page:

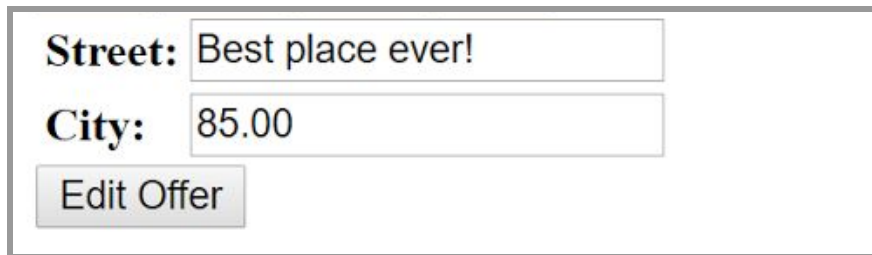
☐ 1165 Ankara Turkey 06400

☐ Bilkent University Ankara Çankaya Turkey 06400

☐ Konutkent Ankara Turkey 60200

[Add](#)

Now, pick one of the accommodations you have created before from accommodations page (if you have not created already go to 6.3 to see how) and then create your offering with your desired price and title.

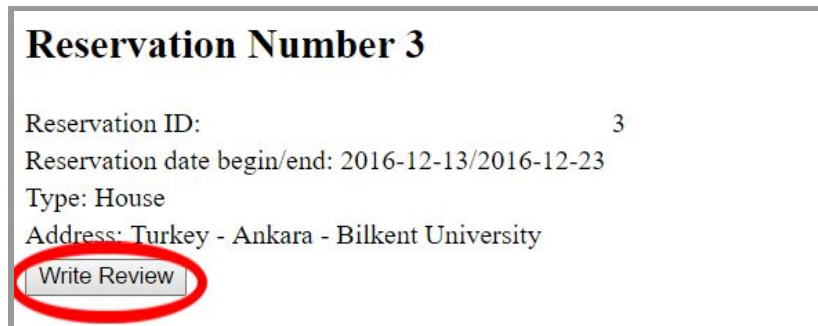


A screenshot of a web form for creating an accommodation offering. It features two input fields: 'Street:' with the text 'Best place ever!' and 'City:' with the text '85.00'. Below these fields is a button labeled 'Edit Offer'.

If you click on either modify or delete offering, you should pick one of the offerings and then delete / modify it.

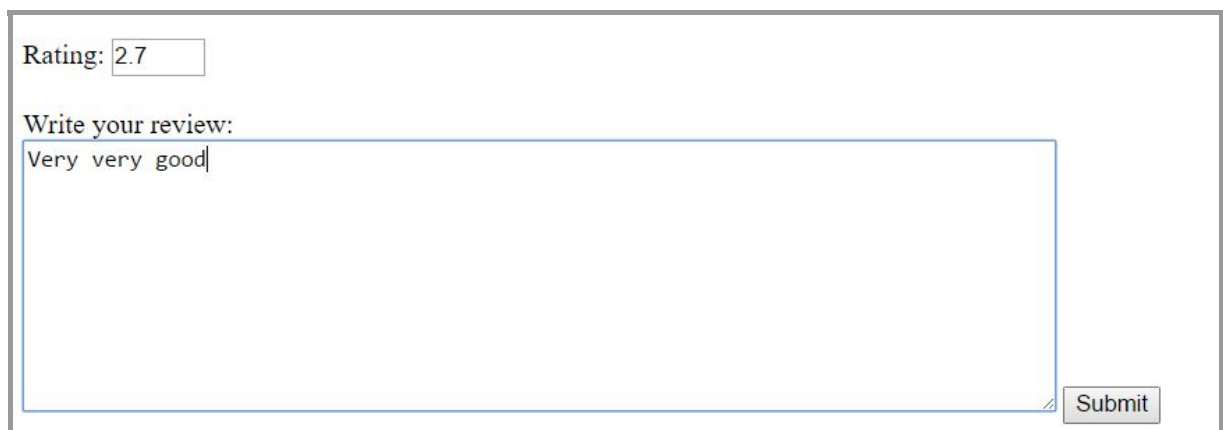
6.6 How to write review to the host

After a reservation ends, you will be able to rate accommodation's host. To make a review; first go to your profile, then your reservations.



A screenshot of a reservation details page titled 'Reservation Number 3'. It displays the following information: 'Reservation ID: 3', 'Reservation date begin/end: 2016-12-13/2016-12-23', 'Type: House', and 'Address: Turkey - Ankara - Bilkent University'. At the bottom, there is a button labeled 'Write Review' which is circled in red.

You will see "Write Review" button if that reservation end date is passed. Click on the button to write your review.



A screenshot of the review submission form. It includes a 'Rating:' field with the value '2.7'. Below this is a text area labeled 'Write your review:' containing the text 'Very very good'. A 'Submit' button is located at the bottom right of the form.

Submit your review and rating, it will be showed to the other users anonymously.

6.7 How to cancel a reservation

Go to your profile, click the button "Reservations" and click the the "Cancel" button below the reservation you wish to cancel.

Reservation Number 4

Reservation ID: 4

Reservation date begin/end: 2017-01-17/2017-01-25

Type: Room

Address: Turkey - Ankara - Handsome St.

Cancel

7 Codes Produced

7.1 SQL Codes From MySQL

7.1.1 Create Table Statements

```
create table Payment(pID int,  
                    payment_amount numeric (12,2) not NULL,  
                    primary key(pID)  
                    )ENGINE=InnoDB;  
create table Reservation(resID int,  
                          res_date_begin date not NULL,  
                          res_date_end date not NULL,  
                          primary key(resID)  
                          )ENGINE=InnoDB;  
create table User(uID int,  
                  first_name varchar(15) not NULL,  
                  last_name varchar(15) not NULL,  
                  tel varchar(20),  
                  email varchar(50) not NULL,  
                  primary key(uID)  
                  )ENGINE=InnoDB;  
create table Client(uID int,  
                    num_of_travels int,  
                    primary key(uID),  
                    foreign key (uID) references User( uID)  
                    )ENGINE=InnoDB;  
create table Host(uID int,  
                   num_of_accommodations int,  
                   primary key(uID),  
                   foreign key (uID) references User( uID)  
                   )ENGINE=InnoDB;  
create table Login(uID int,  
                   username varchar(15) not NULL UNIQUE,  
                   password varchar(15) not NULL,  
                   primary key(uID),  
                   foreign key (uID) references User( uID)  
                   )ENGINE=InnoDB;  
create table Reviews(rID int,  
                     rating int,  
                     review varchar(50),  
                     uID_1 int,  
                     uID_2 int,  
                     aID int,  
                     type int,  
                     primary key(rID),
```

```

        foreign key (uID_1) references Host( uID),
        foreign key (uID_2) references Client( uID),
        foreign key (aID) references Accommodation( aID)
    )ENGINE=InnoDB;
create table Accommodation(aID int,
    no_of_bed int,
    no_of_wc int,
    type char(1) not NULL,
    uID int,
    primary key(aID),
    foreign key (uID) references Client( uID)
)ENGINE=InnoDB;
create table Utilities(utilID int,
    wifi char(1) not NULL,
    washmac char(1) not NULL,
    dishwasher char(1) not NULL,
    aID int,
    primary key (utilID),
    foreign key (aID) references Accommodation( aID)
)ENGINE=InnoDB;

create table Offer (oID int,
    status varchar (10),
    title varchar(20) not NULL,
    price numeric (12,2) not NULL,
    aID int,
    primary key ( oID),
    foreign key (aID) references Accommodation( aID)
on delete cascade)ENGINE=InnoDB;
create table Address(aID int,
    postcode varchar(32),
    country varchar (30) not NULL,
    state varchar (30),
    city varchar (30) not NULL,
    street varchar (30) not NULL,
    primary key ( aID, postcode, country, state, city, street),
    foreign key (aID) references Accommodation(aID) on delete cascade)ENGINE=InnoDB;
create table House(aID int,
    num_of_rooms int,
    primary key ( aID),
    foreign key (aID) references Accommodation( aID)
on delete cascade)ENGINE=InnoDB;
create table Room(aID int,
    capacity int,
    primary key ( aID),
    foreign key (aID) references Accommodation( aID)
on delete cascade)ENGINE=InnoDB;

create table Receives(pID int,
    resID int,
    primary key (pID, resID),
    foreign key (pID) references Payment(pID)
on delete cascade,
    foreign key (resID) references Reservation(resID)
on delete cascade)ENGINE=InnoDB;

create table Confirms(uID int,
    resID int,
    primary key (uID, resID),
    foreign key (uID) references Host(uID)
on delete cascade,
    foreign key (resID) references Reservation(resID)
on delete cascade)ENGINE=InnoDB;

```

7.1.2 Views

```

create view offer_info as
    Select O.title, O.price, A.no_of_bed,A.no_of_wc,A.type,
        Add.postcode, Add.country, Add.state, Add.city,

```

```

        Add.street
        From Offer O, Accommodation A, Address Add
        Where O.aID = A.aID and O.aID=Add.aID;

create view uti_info as      Select U.wifi, U.washmac, U.dishwasher,
                             A.no_of_bed, A.no_of_wc, A.type
                             From Utilities U, Accommodation A
                             Where U.aID=A.aID;

create view user_info as    Select U.First_name, U.Last_name, U.Tel, U.email
                             From User U, Host H, Client C
                             Where U.uID=H.uID or U.uID=C.uID;

create view client_info as  Select First_name, Last_name, Tel, email,rating as avg(rating)
                             From User,Client, Reviews
                             Where User.uID= Client.uID and uID =uID_1;

create view host_info as   Select First_name, Last_name, Tel, email,rating as avg(rating)
                             From User,Host, Reviews
                             Where User.uID= Host.uID and uID =uID_1;

create view pay_info as    Select pID, payment_amount, First_name,Last_name
                             From Payment, Client, User
                             Where Payment.uID= Client.uID and Client.uID =User.uID;

```

7.2 PHP / HTML / CSS Codes

7.2.1 Accommodations.php

```

<?php
session_start();
?>
<!DOCTYPE html>
<html>
<head>
    <link type="text/css" rel="stylesheet" href="stylesheetaccommodations.css"/>
    <title>Accommodations</title>

    <style>
        div.card {
            box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
            text-align: left; padding-left: 30px; padding-top: 20px; padding-bottom: 30px; margin-left:
300px;
            margin-right: 300px;
        }

        div.header {
            background-color: #FFFFFF;
            color: black;
            padding: 10px;
            font-size: 40px;
        }

        div.container {
            padding: 10px;
        }
    </style>
</head>
<body>
    <div id = "menuBar" >
        <div id = "buttoncontainer" >
            <button id = "links"><a href="home.php"><font color = white>Home</a> </button>
            <button id = "links"><a href="search.php"><font color = white>Search</a> </button>
            <button id = "links"><a href="redirect.php"><font color = white>Profile</a> </button>
            <button id = "links"><a href="info.html"><font color = white>About</a> </button>
            <button id = "links"><a href="logout.php"><font color = white>Logout</a> </button>
            <br/>
        </div>
    </div>

```



```

</div>
<div class = "card" id= "divided">
    <br>
    <table>
        <tr>
            <td><form action='addAcc.php'>
                <input id = "buttons" type='submit' value='Add Accommodation'/>
            </form></td>
            <td><form action='deleteAcc.php'>
                <input id = "buttons" type='submit' value='Delete Accommodation'/>
            </form></td>
            <td><form action='modifyAcc.php'>
                <input id = "buttons" type='submit' value='Modify Accommodation'/>
            </form></td>
        </tr>
    </table>

    <br>

    <?php
    $uID = $_SESSION["uID1"];
    echo"<font color = 'black'>";

    $dbhost = 'localhost';
    $dbuser = 'root';
    $dbpass = '12345';

    $con = mysql_connect($dbhost, $dbuser, $dbpass);

    if(!$con){
        die('Could not connect: ' . mysql_error);
    }

    mysql_select_db("cs353");
    $sql = "SELECT aID, no_of_bed, no_of_wc, type FROM Accommodation WHERE uID={ $uID}";

    $result = mysql_query($sql, $con);

    if(!$result){
        echo "<h1><font color = black>There is no accommodation available</h1>";
    }else{
        $type = "";
        $aID = $bednum = $wcnum = 0;
        $row;
        $empty = true;
        while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
            $empty = false;
            $type = $row["type"];
            $aID = $row["aID"];
            $bednum = $row["no_of_bed"];
            $wcnum = $row["no_of_wc"];

            $sql = "SELECT postcode, country, state, city, street FROM Address
            WHERE aID = { $aID}";
            $return = mysql_query($sql, $con);

            $pcode = $country = $state = $city = $street = "";
            while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
                $pcode = $row_["postcode"];
                $country = $row_["country"];
                $state = $row_["state"];
                $city = $row_["city"];
                $street = $row_["street"];
            }

            $sql = "SELECT wifi, washmac, dishwasher FROM Utilities

```

```

WHERE aID = {$aID}";
$return = mysql_query($sql, $con);

$wifi = $washmac = $dishwasher = "";
while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
    $wifi = $row_["wifi"];
    $washmac = $row_["washmac"];
    $dishwasher = $row_["dishwasher"];
}
if(strcmp($wifi, "Y") == 0){
    $wifi = "Yes";
}else{
    $wifi = "No";
}

if(strcmp($washmac, "Y") == 0){
    $washmac = "Yes";
}else{
    $washmac = "No";
}

if(strcmp($dishwasher, "Y") == 0){
    $dishwasher = "Yes";
}else{
    $dishwasher = "No";
}

if(strcmp($type, "R") == 0){
    $sql = "SELECT capacity FROM Room
    WHERE aID = {$aID}";
    $return = mysql_query($sql, $con);

    $capacity = 0;
    while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
        $capacity = $row_["capacity"];
    }

    echo "<table>
    <tr>
    <td><h2>Room</h2></td>
    </tr>
    <tr>
    <td>Address:</td>
    <td>{$street} {$city} {$state} {$country}</td>
    </tr>
    <tr>
    <td>Postcode: {$pcode}</td>
    </tr>
    <tr>
    <td>Number of beds: {$bednum}</td>
    </tr>
    <tr>
    <td>Number of WC: {$wcnum}</td>
    </tr>
    <tr>
    <td>Capacity: {$capacity}</td>
    </tr>
    <tr>
    <td>Wifi: {$wifi}</td>
    </tr>
    <tr>
    <td>Washing Machine: {$washmac}</td>
    </tr>
    <tr>
    <td>Dishwasher: {$dishwasher}</td>
    </tr>

    </table>
    <br>";
} else {
    $sql = "SELECT num_of_rooms FROM House

```

```

WHERE aID = {$aID}";
$return = mysql_query($sql, $con);

$roomnum = 0;
while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
    $roomnum = $row_["num_of_rooms"];
}

echo "<table>
<tr>
<td><h2>House</h2></td>
</tr>
<tr>
<td>Address:</td>
<td>{$street} {$city} {$state} {$country}</td>
</tr>
<tr>
<td>Postcode: {$pcode}</td>
</tr>
<tr>
<td>Number of beds: {$bednum}</td>
</tr>
<tr>
<td>Number of WC: {$wcnum}</td>
</tr>
<tr>
<td>Number of rooms: {$roomnum}</td>
</tr>
<tr>
<td>Wifi: {$wifi}</td>
</tr>
<tr>
<td>Washing Machine: {$washmac}</td>
</tr>
<tr>
<td>Dishwasher: {$dishwasher}</td>
</tr>

</table>
<br>";
    }
    }
    if($empty){
        echo "<h1>There is no accommodation available for this user</h1>";
    }
}

?>

</div>

</body>
</html>

7.2.2    addAcc.php
<?php
    session_start();

?>
<html>
    <head>
        <link type="text/css" rel="stylesheet" href="stylesheetaddacc.css"/>
        <title>Welcome!</title>

        <style>
            div.card {

```

```

        box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
        text-align: left; padding-left: 50px; padding-top: 0px; padding-bottom: 30px; margin-left:
300px;

        margin-right: 300px;
    }

    div.header {
        background-color: #FFFFFF;
        color: black;
        padding: 10px;
        font-size: 40px;
    }

    div.container {
        padding: 10px;
    }
</style>

</head>

<body>
    <div id = "menuBar" >
        <div id = "buttoncontainer" >
            <button id = "links"> <a href="home.php"><font color = white> Home</a> </button>
            <button id = "links"> <a href="search.php"><font color = white>Search</a>

            <button id = "links"> <a href="redirect.php"><font color = white>Profile</a>

            <button id = "links"> <a href="info.html"><font color = white>About</a> </button>

            <button id = "links"><a href="logout.php"><font color = white>Logout</a> </button>

            <br/>
        </div>
    </div>

    <div class = "card" id= "divided">
        <h1>Please enter the required information</h1>
        <form name="selectType" method="POST" action = "<?php echo
htmlspecialchars($_SERVER['PHP_SELF']); ?>">
            <table>
                <tr>
                    <td> </td>
                    <td> </td>
                </tr>
                <tr>
                    <td><input type="radio" name="type"
value="R">Room&nbsp;</td>
                    <td><input type="radio" name="type" value="H">House</td>
                </tr>
            </table>
            <input id = "selectButton" type="submit" name="submit" value="Select Type">
        </form>
        <br>

    <?php
        $uID = $_SESSION["uID"];

        if($_SERVER["REQUEST_METHOD"] == "POST"){
            if(isset($_POST['capacity'])){
                $street = $_POST['street'];
                $city = $_POST['city'];
                $state = $_POST['state'];
                $country = $_POST['country'];
                $pcode = $_POST['pcode'];

```

```

$bnum = $_POST['bnum'];
$wcnnum = $_POST['wcnnum'];
$capacity = $_POST['capacity'];

$wifi = $washmac = $dishwasher = "";
if(isset($_POST['wifi'])){
    $wifi = "Y";
}else{
    $wifi = "N";
}
if(isset($_POST['washmac'])){
    $washmac = "Y";
}else{
    $washmac = "N";
}
if(isset($_POST['dishwasher'])){
    $dishwasher = "Y";
}else{
    $dishwasher = "N";
}

$dbhost = 'localhost';
$dbuser = 'root';
$dbpass = '12345';

$con = mysql_connect($dbhost, $dbuser, $dbpass);

if(!$con){
    die('Could not connect: ' . mysql_error());
}

mysql_select_db("cs353");
$sql = 'SELECT MAX(aID) as aID FROM Accommodation;';

$result = mysql_query($sql, $con);
$aID = 0;

while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
    $aID = $row['aID']+1;
}

$sql = 'SELECT MAX(utilID) as utilID FROM Utilities;';

$result = mysql_query($sql, $con);
$utilID = 0;

while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
    $utilID = $row['utilID']+1;
}

$sql = "INSERT INTO Accommodation
VALUES({$aID},{bnum},{wcnnum}, 'R',{uID});";
$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}

$sql = "INSERT INTO Utilities VALUES({$utilID},{wifi},{washmac},
'{$dishwasher}', {$aID});";
$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}

$sql = "INSERT INTO Address VALUES({$aID},{pcode}, '{$country}',
'{$state}', '{$city}', '{$street});";
$result = mysql_query($sql, $con);

if(! $result ) {

```

```

        die('Could not enter data: ' . mysql_error());
    }

    $sql = "INSERT INTO Room VALUES({$aID}, {$capacity});";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

if(isset($_POST['rnum'])){
    $street = $_POST['street'];
    $city = $_POST['city'];
    $state = $_POST['state'];
    $country = $_POST['country'];
    $pcode = $_POST['pcode'];
    $bnum = $_POST['bnum'];
    $wcnun = $_POST['wcnun'];
    $rnum = $_POST['rnum'];

    $wifi = $washmac = $dishwasher = "N";
    if(isset($_POST['utilities'])){
        $utilities = $_POST['utilities'];
        foreach($utilities as $utility){
            if(strcmp($utility, "wifi")){
                $wifi = "Y";
            }
            if(strcmp($utility, "washmac")){
                $washmac = "Y";
            }
            if(strcmp($utility, "dishwasher")){
                $dishwasher = "Y";
            }
        }
    }

    $dbhost = 'localhost';
    $dbuser = 'root';
    $dbpass = '12345';

    $con = mysql_connect($dbhost, $dbuser, $dbpass);

    if(!$con){
        die('Could not connect: ' . mysql_error());
    }

    mysql_select_db("cs353");
    $sql = 'SELECT MAX(aID) as aID FROM Accommodation;';

    $result = mysql_query($sql, $con);
    $aID = 0;

    while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
        $aID = $row['aID']+1;
    }

    $sql = 'SELECT MAX(utilID) as utilID FROM Utilities;';

    $result = mysql_query($sql, $con);
    $utilID = 0;

    while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
        $utilID = $row['utilID']+1;
    }

    $sql = "INSERT INTO Accommodation
VALUES({$aID},{ $bnum},{ $wcnun}, 'H',{ $utilID});";
    $result = mysql_query($sql, $con);

    if(! $result ) {

```

```

        die('Could not enter data: ' . mysql_error());
    }

    $sql = "INSERT INTO Utilities VALUES({$utilID},'{$wifi}','{$washmac}',
'{$dishwasher}', {$aID});";

    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }

    $sql = "INSERT INTO Address VALUES({$aID},'{$pcode}', '{$country}',
'{$state}', '{$city}', '{$street}');";

    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }

    $sql = "INSERT INTO House VALUES({$aID}, {$rnum});";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

if(isset($_POST['type'])){
    if(strcmp("R",$_POST['type']) == 0){
        echo"

'addAcc.php'>
                                <form name='register' method='POST' action =

                                <table >
                                <tr >
                                    <td><img src='street.png' id =
'streeticon'></td>
                                    <td><input id = 'textField'
type='text' placeholder='Street' name='street' required></td>
                                </tr>
                                <tr>
                                    <td><img src='city.png' id =
'streeticon'></td>
                                    <td><input id = 'textField'
type='text' placeholder='City' name='city' required></td>
                                </tr>
                                <tr>
                                    <td><img src='state.png' id =
'streeticon'></td>
                                    <td><input id = 'textField'
type='text' placeholder='State' name='state' ></td>
                                </tr>
                                <tr>
                                    <td><img src='country.png' id =
'streeticon'></td>
                                    <td><input id = 'textField'
type='text' placeholder='Country' name='country' required></td>
                                </tr>
                                <tr>
                                    <td><img src='postcode.jpg' id =
'streeticon'></td>
                                    <td><input id = 'textField'
type='text' placeholder='Postcode' name='pcode' required></td>
                                </tr>
                                <tr>
                                    <td><img src='bed.ico' id =
'streeticon'></td>
                                    <td><input id = 'textField'
type='text' placeholder='Number of beds' name='bnum' required></td>
                                </tr>
                                <tr>

```

```

'streeticon'></td>
type='text' placeholder='Number of bathrooms' name='wcnnum' required></td>
</tr>
<tr>
'streeticon'></td>
type='text' placeholder='Capacity' name='capacity' required></td>
</tr>
</table>
<label><input type='checkbox' name='utilities[]'
<label><input type='checkbox' name='utilities[]'
<label><input type='checkbox' name='utilities[]'
<input id = 'createBotton' type='submit' name='submit'
</form>
",
} else {
    echo"
'addAcc.php'>
<table>
<tr>
<td><img src='street.png' id =
<td><input id = 'textField'
</tr>
<tr>
<td><img src='city.png' id =
<td><input id = 'textField'
</tr>
<tr>
<td><img src='state.png' id =
<td><input id = 'textField'
</tr>
<tr>
<td><img src='country.png' id =
<td><input id = 'textField'
</tr>
<tr>
<td><img src='postcode.jpg' id =
<td><input id = 'textField'
</tr>
<tr>
<td><img src='bed.ico' id =
<td><input id = 'textField'
</tr>
<tr>
<td><img src='bathroom.png' id =
<td><input id = 'textField'
</tr>
<tr>

```



```

'streeticon'></td>
type='text' placeholder='Number of rooms' name='rnum' required></td>

<td><img src='room2.png' id =

<td><input id = 'textField'

</tr>

</table>
<label><input type='checkbox' name='utilities[]'

<label><input type='checkbox' name='utilities[]'

<label><input type='checkbox' name='utilities[]'

<input id = 'createBotton' type='submit' name='submit'

</form>
";
}
}
}

?>

</div>

</body>
</html>

```

7.2.3 addOff.php

```

<?php
session_start();

?>
<html>
<head>
<title>Welcome!</title>
</head>
<body>
<a href="home.php">Home</a>
<a href="search.php">Search</a>
<a href="redirect.php">Profile</a>
<a href="info.html">About</a>
<a href="logout.php">Logout</a>
<br/>

<?php
$uID = $_SESSION["uID"];

$dbhost = 'localhost';
$dbuser = 'root';
$dbpass = '12345';

$con = mysql_connect($dbhost, $dbuser, $dbpass);

if(!$con){
    die('Could not connect: ' . mysql_error);
}

mysql_select_db("cs353");

if($_SERVER["REQUEST_METHOD"] == "POST"){
    if(isset($_POST["accommodation"])){
        $_SESSION["aID"] = $_POST["accommodation"];
    }
}

```

```

        echo"<form name='register' method='POST' action = 'addOff.php'>
            <table>
                <tr>
                    <td><b>Title:</b></td>
                    <td><input type='text' placeholder='Title'
name='title' required></td>
                </tr>
                <tr>
                    <td><b>Price:</b></td>
                    <td><input type='text' placeholder='Price'
name='price' required></td>
                </tr>
            </table>
            <input type='submit' name='submit' value='Create
Offer'>
        </form>
        ";
    }

    if(isset($_POST["title"])){
        $title = $_POST["title"];
        $price = $_POST["price"];
        $price = floatval(str_replace('.', '', $price));
        $sql = 'SELECT MAX(oid) as oid FROM Offer;';

        $result = mysql_query($sql, $con);
        $oid = 0;

        while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
            $oid = $row["oid"] + 1;
        }

        $sql = "INSERT INTO Offer VALUES({$oid}, 'A', '{$title}', {$price},
$_SESSION['aID']);";

        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
        header("Location: offerings.php");
    }

    $sql = "SELECT aID FROM Accommodation WHERE uID={$uID}";

    if(!isset($_POST["accommodation"])){
        $result = mysql_query($sql, $con);
        $row;
        $aID;
        echo "<form method='POST' action='addOff.php' name='delete'>";
        while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
            $aID = $row['aID'];

            $sql = "SELECT postcode, country, state, city, street FROM Address
                WHERE aID = {$aID}";
            $return = mysql_query($sql, $con);

            $pcode = $country = $state = $city = $street = "";
            while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
                $pcode = $row_["postcode"];
                $country = $row_["country"];
                $state = $row_["state"];
                $city = $row_["city"];
                $street = $row_["street"];
            }

            echo "<input type='radio' name='accommodation' value='{$aID}'>{$street}
                {$city} {$state} {$country} {$pcode}<br><br>";
        }
    }

```

```

    }

    echo "<input type='submit' name='choose' id='choose' value='Add'>
    </form>
    </br>";
}

?>

</body>
</html>

7.2.4 cancelRes.php
<?php
    session_start();
?>
<html>
    <head>
        <title>Welcome!</title>
    </head>
    <body>
        <?php

            if($_SERVER["REQUEST_METHOD"] == "GET"){
                $resID = $_GET["resID"];

                $dbhost = 'localhost';
                $dbuser = 'root';
                $dbpass = '12345';

                $con = mysql_connect($dbhost, $dbuser, $dbpass);

                if(!$con){
                    die('Could not connect: ' . mysql_error());
                }

                mysql_select_db("cs353");

                $sql = "DELETE FROM Reservation WHERE resID={ $resID}";
                $result = mysql_query($sql, $con);

                if(! $result ) {
                    die('Could not enter data: ' . mysql_error());
                }
                header("Location: res.php");

                $sql = "UPDATE Client SET num_of_travels = num_of_travels - 1 WHERE
uid={$_SESSION['uid']}";

                $result = mysql_query($sql, $con);

                if(! $result ) {
                    die('Could not enter data: ' . mysql_error());
                }
                header("Location: res.php");
            }

        ?>
    </body>
</html>

```

```

7.2.5 deleteAcc.php
<?php
    session_start();

```

```

?>
<html>
    <head>
        <title>Welcome!</title>
    </head>

    <body>
        <a href="home.php">Home</a>
        <a href="search.php">Search</a>
        <a href="redirect.php">Profile</a>
        <a href="info.html">About</a>
        <a href="logout.php">Logout</a>
        <br/>
        <?php

            $uID = $_SESSION["uID"];

            $dbhost = 'localhost';
            $dbuser = 'root';
            $dbpass = '12345';

            $con = mysql_connect($dbhost, $dbuser, $dbpass);

            if(!$con){
                die('Could not connect: ' . mysql_error());
            }

            mysql_select_db("cs353");

            if($_SERVER["REQUEST_METHOD"] == "POST"){

                $sql = "DELETE FROM Utilities WHERE
aID={$_POST['accommodation']}";

                $result = mysql_query($sql, $con);

                if(! $result ) {
                    die('Could not enter data: ' . mysql_error());
                }

                $sql = "DELETE FROM Room WHERE
aID={$_POST['accommodation']}";

                $result = mysql_query($sql, $con);

                if(! $result ) {
                    die('Could not enter data: ' . mysql_error());
                }

                $sql = "DELETE FROM Address WHERE
aID={$_POST['accommodation']}";

                $result = mysql_query($sql, $con);

                if(! $result ) {
                    die('Could not enter data: ' . mysql_error());
                }

                $sql = "DELETE FROM House WHERE
aID={$_POST['accommodation']}";

                $result = mysql_query($sql, $con);

                if(! $result ) {
                    die('Could not enter data: ' . mysql_error());
                }

                $sql = "DELETE FROM Accommodation WHERE
aID={$_POST['accommodation']}";

```

```

$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}

$sql = "UPDATE Host SET
num_of_accommodations=num_of_accommodations-1
WHERE uID={$uID}";
$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}

header("Location: deleteAcc.php");
}

$sql = "SELECT aID FROM Accommodation WHERE uID={$uID}";

$result = mysql_query($sql, $con);
$row;
$aID;
echo "<form method='POST' action='deleteAcc.php' name='delete'>";
while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
    $aID = $row['aID'];

    $sql = "SELECT postcode, country, state, city, street FROM
Address
WHERE aID = {$aID}";
$return = mysql_query($sql, $con);

    $pcode = $country = $state = $city = $street = "";
    while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
        $pcode = $row_["postcode"];
        $country = $row_["country"];
        $state = $row_["state"];
        $city = $row_["city"];
        $street = $row_["street"];
    }

    echo "<input type='radio' name='accommodation'
value='{$aID}'>{$street}
        {$city} {$state} {$country} {$pcode}<br><br>";
}

echo "<input type='submit' name='choose' id='choose' value='Delete'>
</form>
</br>";

/*
$sql = "DELETE FROM Accommodation WHERE aID={$aID}";

$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}

$sql = "DELETE FROM Utilities WHERE aID={$aID}";

$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}

$sql = "DELETE FROM Room WHERE aID={$aID}";

```

```

$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}

$sql = "DELETE FROM Address WHERE aID={$aID}";

$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}

$sql = "DELETE FROM House WHERE aID={$aID}";

$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}

header("Location: Accommodations.php");*/

?>
</body>
</html>

```

7.2.6 deleteOff.php

```

<?php
session_start();

?>
<html>
<head>
    <title>Welcome!</title>
</head>
<body>
<a href="home.php">Home</a>
    <a href="search.php">Search</a>
    <a href="redirect.php">Profile</a>
    <a href="info.html">About</a>
    <a href="logout.php">Logout</a>
<br/>
    <?php

        $uID = $_SESSION["uID"];

        $dbhost = 'localhost';
        $dbuser = 'root';
        $dbpass = '12345';

        $con = mysql_connect($dbhost, $dbuser, $dbpass);

        if(!$con){
            die('Could not connect: ' . mysql_error());
        }

        mysql_select_db("cs353");

        if($_SERVER["REQUEST_METHOD"] == "POST"){

            $sql = "DELETE FROM Offer WHERE oID={$_POST['offer']}";

            $result = mysql_query($sql, $con);

            if(! $result ) {

```

```

        die('Could not enter data: ' . mysql_error());
    }

    header("Location: offerings.php");
}

$sql = "SELECT O.oID as oID, A.aID as aID,
        O.price as price, O.title as title
        FROM Offer O, Accommodation A
        WHERE A.uID={$uID} AND O.aID = A.aID;";

$result = mysql_query($sql, $con);
$row;

echo "<form method='POST' action='deleteOff.php' name='delete'>";
while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
    $oID = $row['oID'];
    $aID = $row['aID'];
    $price = $row['price'];
    $title = $row['title'];

    $sql = "SELECT postcode, country, state, city, street FROM
        WHERE aID = {$aID};";
    $return = mysql_query($sql, $con);

    $pcode = $country = $state = $city = $street = "";
    while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
        $pcode = $row_["postcode"];
        $country = $row_["country"];
        $state = $row_["state"];
        $city = $row_["city"];
        $street = $row_["street"];
    }

    echo "<input type='radio' name='offer' value='{$oID}'>{$street}
        {$city} {$state} {$country} {$pcode} {$title}
        {$price}<br><br>";
}

echo "<input type='submit' name='choose' id='choose' value='Delete'>
</form>
</br>";

?>

</body>
</html>

```

7.2.7 home.php

```

<?php
    session_start();
?>
<?php $_SESSION["uID1"] = $_SESSION["uID"];
    header("Location: profile.php");?>

```

7.2.8 info.html

```

<!DOCTYPE html>
<html>
    <head>
        <title>Information</title>
    </head>

    <body>
        <font size="7">

```



```

        die('Could not connect: ' . mysql_error);
    }

    mysql_select_db("cs353");

    mysql_select_db("berkay_gulcan");
    $sql = 'SELECT username, uID, password FROM Login;';

    $result = mysql_query($sql, $con);

    while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
        if($user == $row['username']){
            if(strcmp($pass, $row['password']) == 0){
                $url = "/home.php";
                $_SESSION['uID'] = $row['uID'];
                $_SESSION['uID1'] = $row['uID'];
                header("Location: profile.php");
            }
        }
    }
    echo '<script type="text/javascript">';
    echo 'alert("Wrong username or password!")';
    echo '</script>';
}

?>

<div id = "loginBar">
    <h1><font color = "#0A6C8E">Welcome, please login</h1>
    <form name="login" method="POST" action = "<?php echo
htmlspecialchars($_SERVER['PHP_SELF']); ?>">
        <table id = "table">
            </tr>
            <td><b><font color = "#0A6C8E">Username:</b></td>
            <td><input id="textfield" placeholder = "Username" type="text"
placeholder="Username" name="user" required></td>
            <td> &emsp; <b> <font color = "#0A6C8E">Password:</b></td>
            <td><input id="textfield" placeholder = "Password"
type="password" placeholder="Enter password" name="pass" required></td>
            <td> &emsp; </td>
            <td><input id = "loginbutton" type="submit" name="submit"
value="Login" ></td>
        </tr>
        </table>
    </div>

    <div class="card" id = "middleBody">
        <h1 id= "first"><font color = "#FFFFFF" >Visit the best places in the world with us.</h1>
        <h3 id= "second"><font color = "#FFFFFF">Don't have an account? Click <a
href="http://localhost/cs353/register.php"><font color = "#FFFFFF">here</a>!!</h3>
    </div>
</body>
</html>

```

7.2.10 logout.php

```

<?php
    session_start();
    session_destroy();
    header('location:login.php');
?>

```

7.2.11 modifyAcc.php

```

<?php
    session_start();

```

```

?>
<html>

<head>
    <title>Welcome!</title>
</head>

<body>
<a href="home.php">Home</a>
    <a href="search.php">Search</a>
    <a href="redirect.php">Profile</a>
    <a href="info.html">About</a>
    <a href="logout.php">Logout</a>
    <br/>

<?php

    $uid = $_SESSION["uid"];

    $dbhost = 'localhost';
    $dbuser = 'root';
    $dbpass = '12345';

    $con = mysql_connect($dbhost, $dbuser, $dbpass);

    if(!$con){
        die('Could not connect: ' . mysql_error);
    }

    mysql_select_db("cs353");

    if($_SERVER["REQUEST_METHOD"] == "POST"){
        if(isset($_POST['capacity'])){
            $aid = $_SESSION["aid"];
            $street = $_POST['street'];
            $city = $_POST['city'];
            $state = $_POST['state'];
            $country = $_POST['country'];
            $pcode = $_POST['pcode'];
            $bnum = $_POST['bnum'];
            $wcnum = $_POST['wcnum'];
            $capacity = $_POST['capacity'];

            $wifi = $washmac = $dishwasher = "";
            if(isset($_POST['wifi'])){
                $wifi = "Y";
            }else{
                $wifi = "N";
            }
            if(isset($_POST['washmac'])){
                $washmac = "Y";
            }else{
                $washmac = "N";
            }
            if(isset($_POST['dishwasher'])){
                $dishwasher = "Y";
            }else{
                $dishwasher = "N";
            }

            $dbhost = 'localhost';
            $dbuser = 'root';
            $dbpass = '12345';

            $con = mysql_connect($dbhost, $dbuser, $dbpass);

            if(!$con){
                die('Could not connect: ' . mysql_error);
            }

```

```

mysql_select_db("cs353");

$sql = "SELECT utilID FROM Utilities
        WHERE aID = {aID}";
$return = mysql_query($sql, $con);

$utilID = 0;

while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
    $utilID = $row_["utilID"];
}

if(strcmp($street, $_SESSION["street"]) != 0){
    $sql = "UPDATE Address SET street='{ $street}'
            WHERE aID={aID}";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

if(strcmp($city, $_SESSION["city"]) != 0){
    $sql = "UPDATE Address SET city='{ $city}'
            WHERE aID={aID}";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

if(strcmp($state, $_SESSION["state"]) != 0){
    $sql = "UPDATE Address SET state='{ $state}'
            WHERE aID={aID}";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

if(strcmp($country, $_SESSION["country"]) != 0){
    $sql = "UPDATE Address SET country='{ $country}'
            WHERE aID={aID}";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

if(strcmp($pcode, $_SESSION["pcode"]) != 0){
    $sql = "UPDATE Address SET postcode='{ $pcode}'
            WHERE aID={aID}";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

if(strcmp($wifi, $_SESSION["wifi"]) != 0){
    $sql = "UPDATE Utilities SET wifi='{ $wifi}'
            WHERE aID={aID}";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

```

```

}

if(strcmp($washmac, $_SESSION["washmac"]) != 0){
    $sql = "UPDATE Utilities SET washmac='{$washmac}'
            WHERE aID={$aID}";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

if(strcmp($dishwasher, $_SESSION["dishwasher"]) != 0){
    $sql = "UPDATE Utilities SET dishwasher='{$dishwasher}'
            WHERE aID={$aID}";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

if($bnum != $_SESSION["bnum"]){
    $sql = "UPDATE Accommodation SET no_of_bed='{$bnum}'
            WHERE aID={$aID}";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

if($wcnum != $_SESSION["wcnum"]){
    $sql = "UPDATE Accommodation SET no_of_wc='{$wcnum}'
            WHERE aID={$aID}";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

if($capacity != $_SESSION["capacity"]){
    $sql = "UPDATE Room SET capacity='{$capacity}'
            WHERE aID={$aID}";
    $result = mysql_query($sql, $con);

    if(! $result ) {
        die('Could not enter data: ' . mysql_error());
    }
}

}

if(isset($_POST['rnum'])){
    $aID = $_SESSION["aID"];
    $street = $_POST['street'];
    $city = $_POST['city'];
    $state = $_POST['state'];
    $country = $_POST['country'];
    $pcode = $_POST['pcode'];
    $bnum = $_POST['bnum'];
    $wcnum = $_POST['wcnum'];
    $rnum = $_POST['rnum'];

    $wifi = $washmac = $dishwasher = "N";
    if(isset($_POST['utilities'])){
        $utilities = $_POST['utilities'];
    }
}

```

```

        foreach($Utilities as $Utility){
            if(strcmp($Utility, "wifi")){
                $wifi = "Y";
            }
            if(strcmp($Utility, "washmac")){
                $washmac = "Y";
            }
            if(strcmp($Utility, "dishwasher")){
                $dishwasher = "Y";
            }
        }
    }

    $dbhost = 'localhost';
    $dbuser = 'root';
    $dbpass = '12345';

    $con = mysql_connect($dbhost, $dbuser, $dbpass);

    if(!$con){
        die('Could not connect: ' . mysql_error());
    }

    mysql_select_db("cs353");

    if(strcmp($street, $_SESSION["street"]) != 0){
        $sql = "UPDATE Address SET street='{ $street}'
                WHERE aID={ $aID}";
        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
    }

    if(strcmp($city, $_SESSION["city"]) != 0){
        $sql = "UPDATE Address SET city='{ $city}'
                WHERE aID={ $aID}";
        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
    }

    if(strcmp($state, $_SESSION["state"]) != 0){
        $sql = "UPDATE Address SET state='{ $state}'
                WHERE aID={ $aID}";
        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
    }

    if(strcmp($country, $_SESSION["country"]) != 0){
        $sql = "UPDATE Address SET country='{ $country}'
                WHERE aID={ $aID}";
        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
    }

    if(strcmp($pcode, $_SESSION["pcode"]) != 0){
        $sql = "UPDATE Address SET postcode='{ $pcode}'
                WHERE aID={ $aID}";
        $result = mysql_query($sql, $con);
    }

```

```

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
    }

    if(strcmp($wifi, $_SESSION["wifi"]) != 0){
        $sql = "UPDATE Utilities SET wifi='{$wifi}'
                WHERE aID={$aID}";
        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
    }

    if(strcmp($washmac, $_SESSION["washmac"]) != 0){
        $sql = "UPDATE Utilities SET washmac='{$washmac}'
                WHERE aID={$aID}";
        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
    }

    if(strcmp($dishwasher, $_SESSION["dishwasher"]) != 0){
        $sql = "UPDATE Utilities SET dishwasher='{$dishwasher}'
                WHERE aID={$aID}";
        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
    }

    if($bnum != $_SESSION["bnum"]){
        $sql = "UPDATE Accommodation SET no_of_bed='{$bnum}'
                WHERE aID={$aID}";
        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
    }

    if($wcnum != $_SESSION["wcnum"]){
        $sql = "UPDATE Accommodation SET no_of_wc='{$wcnum}'
                WHERE aID={$aID}";
        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
    }

    if($rnum != $_SESSION["roomnum"]){
        $sql = "UPDATE House SET num_of_rooms='{$rnum}'
                WHERE aID={$aID}";
        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }
    }
}

if(isset($_POST['accommodation'])){
    $_SESSION["aID"] = $_POST['accommodation'];
}

```

```

$sql = "SELECT aID, no_of_bed, no_of_wc, type FROM Accommodation
        WHERE aID={$$_POST['accommodation']}";

$result = mysql_query($sql, $con);

$type = "";
$aID = $bednum = $wcnum = 0;
$row;
while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
    $type = $row["type"];
    $aID = $row["aID"];
    $bednum = $row["no_of_bed"];
    $wcnum = $row["no_of_wc"];
}

$sql = "SELECT postcode, country, state, city, street FROM Address
        WHERE aID = {$aID}";
$return = mysql_query($sql, $con);

$pcode = $country = $state = $city = $street = "";
while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
    $pcode = $row_["postcode"];
    $country = $row_["country"];
    $state = $row_["state"];
    $city = $row_["city"];
    $street = $row_["street"];
}

$sql = "SELECT utilID, wifi, washmac, dishwasher FROM Utilities
        WHERE aID = {$aID}";
$return = mysql_query($sql, $con);

$utilID = 0;
$wifi = $washmac = $dishwasher = "";
while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
    $utilID = $row_["utilID"];
    $wifi = $row_["wifi"];
    $washmac = $row_["washmac"];
    $dishwasher = $row_["dishwasher"];
}

$_SESSION["wifi"] = $wifi;
$_SESSION["washmac"] = $washmac;
$_SESSION["dishwasher"] = $dishwasher;

if(strcmp($wifi, "Y") == 0){
    $wifi = "checked";
}else{
    $wifi = "";
}
if(strcmp($washmac, "Y") == 0){
    $washmac = "checked";
}else{
    $washmac = "";
}
if(strcmp($dishwasher, "Y") == 0){
    $dishwasher = "checked";
}else{
    $dishwasher = "";
}

$_SESSION["street"] = $street;
$_SESSION["city"] = $city;
$_SESSION["state"] = $state;
$_SESSION["country"] = $country;
$_SESSION["pcode"] = $pcode;
$_SESSION["bnum"] = $bednum;
$_SESSION["wcnum"] = $wcnum;

if(strcmp($type, "R") == 0){

```

```

        $sql = "SELECT capacity FROM Room
                WHERE aID = {$aID}";
        $return = mysql_query($sql, $con);

        $capacity = 0;
        while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
            $capacity = $row_["capacity"];
        }

        $_SESSION["capacity"] = $capacity;

        echo"
        <form name='register' method='POST' action =
'modifyAcc.php'>

                <table>
                <tr>
                        <td><b>Street:</b></td>
                        <td><input type='text'
placeholder='Street' name='street' value='{$street}' required></td>
                </tr>
                <tr>
                        <td><b>City:</b></td>
                        <td><input type='text'
placeholder='City' name='city' value='{$city}' required></td>
                </tr>
                <tr>
                        <td><b>State:</b></td>
                        <td><input type='text'
placeholder='State' name='state' value='{$state}' ></td>
                </tr>
                <tr>
                        <td><b>Country:</b></td>
                        <td><input type='text'
placeholder='Country' name='country' value='{$country}' required></td>
                </tr>
                <tr>
                        <td><b>Postcode:</b></td>
                        <td><input type='text'
placeholder='Postcode' name='pcode' value='{$pcode}' required></td>
                </tr>
                <tr>
                        <td><b>Number of beds:</b></td>
                        <td><input type='text'
placeholder='Number of beds' name='bnum' value='{$bednum}' required></td>
                </tr>
                <tr>
                        <td><b>Number of
bathrooms:</b></td>
                        <td><input type='text'
placeholder='Number of bathrooms' name='wcnun' value='{$wcnun}' required></td>
                </tr>
                <tr>
                        <td><b>Capacity:</b></td>
                        <td><input type='text'
placeholder='Capacity' name='capacity' value='{$capacity}' required></td>
                </tr>
                </table>
                <label><input type='checkbox' name='utilities[]'
value='wifi' {$wifi}/> Wifi</label><br>
                <label><input type='checkbox' name='utilities[]'
value='washmac' {$washmac}/> Washing Machine</label><br>
                <label><input type='checkbox' name='utilities[]'
value='dishwasher' {$dishwasher}/> Dishwasher</label><br><br>
                <input type='submit' name='submit' value='Edit
Accommodation'>

        </form>
        ",
    }else{
        $sql = "SELECT num_of_rooms FROM House
                WHERE aID = {$aID}";

```



```

$return = mysql_query($sql, $con);

$roomnum = 0;
while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
    $roomnum = $row_["num_of_rooms"];
}

$_SESSION["roomnum"] = $roomnum;

echo"

'modifyAcc.php'>
    <form name='register' method='POST' action =

        <table>
        <tr>
            <td><b>Street:</b></td>
            <td><input type='text'

placeholder='Street' name='street' value='{ $street}' required></td>

        </tr>
        <tr>
            <td><b>City:</b></td>
            <td><input type='text'

placeholder='City' name='city' value='{ $city}' required></td>

        </tr>
        <tr>
            <td><b>State:</b></td>
            <td><input type='text'

placeholder='State' name='state' value='{ $state}' ></td>

        </tr>
        <tr>
            <td><b>Country:</b></td>
            <td><input type='text'

placeholder='Country' name='country' value='{ $country}' required></td>

        </tr>
        <tr>
            <td><b>Postcode:</b></td>
            <td><input type='text'

placeholder='Postcode' name='pcode' value='{ $pcode}' required></td>

        </tr>
        <tr>
            <td><b>Number of beds:</b></td>
            <td><input type='text'

placeholder='Number of beds' name='bnum' value='{ $bednum}' required></td>

        </tr>
        <tr>
            <td><b>Number of

bathrooms:</b></td>
            <td><input type='text'

placeholder='Number of bathrooms' name='wcnun' value='{ $wcnun}' required></td>

        </tr>
        <tr>
            <td><b>Number of

rooms:</b></td>
            <td><input type='text'

placeholder='Number of rooms' name='rnum' value='{ $roomnum}' required></td>

        </tr>

    </table>
    <label><input type='checkbox' name='utilities[]'

value='wifi' { $wifi}/> Wifi</label><br/>
    <label><input type='checkbox' name='utilities[]'

value='washmac' { $washmac}/> Washing Machine</label><br/>
    <label><input type='checkbox' name='utilities[]'

value='dishwasher' { $dishwasher}/> Dishwasher</label><br/><br/>
    <input type='submit' name='submit' value='Edit

Accommodation'>

    </form>
    ",
}

}

```

```

    }

    if( !isset($_POST['accommodation'])){
        $sql = "SELECT aID FROM Accommodation WHERE uID={$_uID}";

        $result = mysql_query($sql, $con);
        $row;
        $aID;
        echo "<form method='POST' action='modifyAcc.php' name='delete'>";
        while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
            $aID = $row['aID'];

            $sql = "SELECT postcode, country, state, city, street FROM Address
                    WHERE aID = {$aID}";
            $return = mysql_query($sql, $con);

            $pcode = $country = $state = $city = $street = "";
            while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
                $pcode = $row_["postcode"];
                $country = $row_["country"];
                $state = $row_["state"];
                $city = $row_["city"];
                $street = $row_["street"];
            }

            echo "<input type='radio' name='accommodation' value='{$aID}'>{$street}
                {$city} {$state} {$country} {$pcode}<br><br>";
        }

        echo "<input type='submit' name='choose' id='choose' value='Edit'>
        </form>
        </br>";
    }

    ?>

</body>
</html>

```

7.2.12 modifyOff.php

```

<?php
    session_start();

?>
<html>
    <head>
        <title>Welcome!</title>
    </head>

    <body>
        <a href="home.php">Home</a>
        <a href="search.php">Search</a>
        <a href="redirect.php">Profile</a>
        <a href="info.html">About</a>
        <a href="logout.php">Logout</a>
        <br/>

    </body>
</html>

<?php
    $_uID = $_SESSION["uID"];

    $dbhost = 'localhost';
    $dbuser = 'root';
    $dbpass = '12345';

    $con = mysql_connect($dbhost, $dbuser, $dbpass);

    if(!$con){
        die('Could not connect: ' . mysql_error());
    }

```

```

}

mysql_select_db("cs353");

if($_SERVER["REQUEST_METHOD"] == "POST"){
    if(isset($_POST['title'])){
        $oID = $_SESSION["oID"];
        $title = $_POST["title"];
        $price = $_POST["price"];

        $dbhost = 'localhost';
        $dbuser = 'root';
        $dbpass = '12345';

        $con = mysql_connect($dbhost, $dbuser, $dbpass);

        if(!$con){
            die('Could not connect: ' . mysql_error());
        }

        mysql_select_db("cs353");

        if(strcmp($title, $_SESSION["title"]) != 0){
            $sql = "UPDATE Offer SET title='{ $title}'
                    WHERE oID={ $oID};";
            $result = mysql_query($sql, $con);

            if(!$result ) {
                die('Could not enter data: ' . mysql_error());
            }
        }

        if($price != $_SESSION["price"]){
            $sql = "UPDATE Offer SET price='{ $price}'
                    WHERE oID={ $oID};";
            $result = mysql_query($sql, $con);

            if(!$result ) {
                die('Could not enter data: ' . mysql_error());
            }
        }
    }
}

if(isset($_POST['offer'])){
    $_SESSION["oID"] = $_POST['offer'];

    $sql = "SELECT title, price FROM Offer
            WHERE oID={$_POST['offer']}";

    $result = mysql_query($sql, $con);

    $title = "";
    $price = 0;

    while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
        $title = $row["title"];
        $price = $row["price"];
    }
}

```

```

$_SESSION["title"] = $title;
$_SESSION["price"] = $price;

echo"

'modifyOff.php'>

placeholder='Title' name='title' value='{ $title}' required></td>

placeholder='Price' name='price' value='{ $price}' required></td>

<form name='register' method='POST' action =

<table>
<tr>
<td><b>Street:</b></td><input type='text'

</tr>
<tr>
<td><b>City:</b></td><input type='text'

</tr>
</table>
<input type='submit' name='submit' value='Edit Offer'>

</form>
";

}

}

if( !isset($_POST['offer'])){
$sql = "SELECT O.oID as oID, A.aID as aID,
O.price as price, O.title as title
FROM Offer O, Accommodation A
WHERE A.aID={ $aID} AND O.aID = A.aID;";

$result = mysql_query($sql, $con);
$row;

echo "<form method='POST' action='modifyOff.php' name='modify'>";
while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
$oID = $row['oID'];
$aID = $row['aID'];
$price = $row['price'];
$title = $row['title'];

$sql = "SELECT postcode, country, state, city, street FROM Address
WHERE aID = { $aID};";
$return = mysql_query($sql, $con);

$pcode = $country = $state = $city = $street = "";
while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
$pcode = $row_["postcode"];
$country = $row_["country"];
$state = $row_["state"];
$city = $row_["city"];
$street = $row_["street"];
}

echo "<input type='radio' name='offer' value='{ $oID}'>{ $street}
{ $city} { $state} { $country} { $pcode} { $title} { $price}$<br><br>";
}

echo "<input type='submit' name='choose' id='choose' value='Edit'>
</form>
</br>";
}

?>

</body>

</html>

```

7.2.13 offerings.php

```
<?php
    session_start();
?>
<!DOCTYPE html>
<html>
    <head>
        <title>Review</title>
    </head>
    <body>
        <a href="home.php">Home</a>
        <a href="search.php">Search</a>
        <a href="redirect.php">Profile</a>
        <a href="info.html">About</a>
        <a href="logout.php">Logout</a>
        <br>
        <br>
        <br>
        <?php
            $uID_this = $_SESSION["uID"];
            $uID_search = $_SESSION["uID1"];
            if($_SESSION["uID"] == $_SESSION["uID1"]){
                echo "<table>";
                <tr>
                    <td><form action='addOff.php'>
                        <input type='submit' value='Add Offering'/>
                    </form></td>
                    <td><form action='deleteOff.php'>
                        <input type='submit' value='Delete Offering'/>
                    </form></td>
                    <td><form action='modifyOff.php'>
                        <input type='submit' value='Modify Offering'/>
                    </form></td>
                </tr>
            </table>";
            }

            $dbhost = 'localhost';
            $dbuser = 'root';
            $dbpass = '12345';

            $con = mysql_connect($dbhost, $dbuser, $dbpass);

            if(!$con){
                die('Could not connect: ' . mysql_error());
            }

            mysql_select_db("cs353");
            $sql = "Select O.title as title, O.price as price, A.type as type,
                    Ad.country as country, Ad.city as city
                    From      Offer O, Accommodation A, Address Ad
                    Where      O.aID=A.aID and A.uID={$_SESSION["uID1"]} and Ad.aID=A.aID;";

            $result = mysql_query($sql, $con);

            if(!$result){
                echo "<h1>There is no offering from this host.</h1>";
            }else{
                $count = 1;
                $title = "";
                $type="";
                $country="";
                $city="";
            }
        </?php>
    </body>
</html>
```

```

$price = 0;
$row;
$empty=true;
while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
    $empty = false;
    $title = $row["title"];
    $type = $row["type"];
    $country = $row["country"];
    $city = $row["city"];
    $price = $row["price"];
    if(strcmp($type, "R")){
        $type="Room";
    }else{
        $type="House";
    }
    echo "<table><tr>
                                <td><h2>Offering Number
                                </tr>
                                <tr>
                                <td>Title:</td>
                                <td>{$title}</td>
                                </tr>
                                <tr>
                                <td>Type:{$type}</td>
                                </tr>
                                <tr>
                                <td>Address: {$country} -
                                </tr>
                                <tr>
                                <td>Price: {$price} </td>
                                </tr></table>";
    $count = $count+1;
}
if($empty){
    echo "<h1>There is no offering from this host.</h1>";
}

}

?>
</body>
</html>

```

7.2.14 offerPage.php

```

<?php
    session_start();
?>
<html>
    <head>
        <title>Welcome!</title>
    </head>

    <body>
        <a href="home.php">Home</a>
        <a href="search.php">Search</a>
        <a href="redirect.php">Profile</a>
        <a href="info.html">About</a>
        <a href="logout.php">Logout</a>
        <br/>

    <?php
        $dbhost = 'localhost';
        $dbuser = 'root';
        $dbpass = '12345';

```

```

$con = mysql_connect($dbhost, $dbuser, $dbpass);

if(!$con){
    die('Could not connect: ' . mysql_error());
}

mysql_select_db("cs353");

if($_SERVER["REQUEST_METHOD"] == "POST"){
    if(isset($_POST["submit"])){
        $sql = 'SELECT MAX(resID) as resID FROM Reservation;';

        $result = mysql_query($sql, $con);
        $resID = 0;

        while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
            $resID = $row['resID']+1;
        }

        $sql = "INSERT INTO Reservation VALUES({$resID},
STR_TO_DATE('".$_SESSION['entry']."', '%Y-%m-%d'),
STR_TO_DATE('".$_SESSION['checkout']."', '%Y-%m-%d'), ".$_SESSION['uID'],
".$_SESSION['oID'].");";

        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }

        $sql = "UPDATE Client SET num_of_travels = num_of_travels+1 WHERE
uID=".$_SESSION['uID'].";

        $result = mysql_query($sql, $con);

        if(! $result ) {
            die('Could not enter data: ' . mysql_error());
        }

        header("Location: search.php");
    }else{
        $_SESSION["uID1"] = $_SESSION["hID"];
        header("Location: profile.php");
    }
}

$_SESSION["oID"] = $_GET["oID"];

if(strcmp("Room", $_GET["type"]) == 0){
    $sql = "SELECT O.title as title, O.price as price, A.no_of_bed as bnum,
        A.no_of_wc as wnum, U.wifi as wifi, U.washmac as washmac,
        Us.uID as hID, Us.first_name as hName, Us.last_name as IName,
        U.dishwasher as dishwasher, R.capacity as capacity, Ad.city as city,
        Ad.country as country, Ad.state as state, Ad.street as street,
        Ad.postcode as pcode FROM Offer O, Accommodation A, Address Ad,
        Room R, Utilities U, User Us WHERE O.oID = ".$_GET['oID']. " AND O.aID = A.aID
        AND U.aID = A.aID AND R.aID = A.aID AND Ad.aID = A.aID AND A.uID = Us.uID;
        ";
}

else{
    $sql = "SELECT O.title as title, O.price as price, A.no_of_bed as bnum,
        A.no_of_wc as wnum, U.wifi as wifi, U.washmac as washmac,
        Us.uID as hID, Us.first_name as hName, Us.last_name as IName,
        U.dishwasher as dishwasher, H.num_of_rooms as rnum, Ad.city as city,
        Ad.country as country, Ad.state as state, Ad.street as street,
        Ad.postcode as pcode FROM Offer O, Accommodation A, Address Ad,
        House H, Utilities U, User Us WHERE O.oID = ".$_GET['oID']. " AND O.aID = A.aID
        AND U.aID = A.aID AND H.aID = A.aID AND Ad.aID = A.aID AND A.uID = Us.uID;
        ";
}

```

```

$result = mysql_query($sql, $con);

while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {

    $title=$wifi=$washmac=$dishwasher=$hName=$iName=$country=$state="";
    $street=$city=$pcode="";
    $price=$bnum=$wcnnum=$hID=$capacity=$rnum=0;
    if(strcmp("Room", $_GET["type"]) == 0){
        $title=$row["title"];
        $wifi=$row["wifi"];
        $washmac=$row["washmac"];
        $dishwasher=$row["dishwasher"];
        $hName=$row["hName"];
        $iName=$row["iName"];
        $country=$row["country"];
        $state=$row["state"];
        $street=$row["street"];
        $city=$row["city"];
        $pcode=$row["pcode"];
        $price=$row["price"];
        $bnum=$row["bnum"];
        $wcnnum=$row["wcnnum"];
        $hID=$row["hID"];
        $capacity=$row["capacity"];
        $_SESSION["hID"] = $hID;

        if(strcmp($wifi, "Y")==0){
            $wifi = "Yes";
        }else{
            $wifi = "No";
        }
        if(strcmp($washmac, "Y")==0){
            $washmac = "Yes";
        }else{
            $washmac = "No";
        }
        if(strcmp($dishwasher, "Y")==0){
            $dishwasher = "Yes";
        }else{
            $dishwasher = "No";
        }

        echo "<table>
            <tr>
                <td>{$title}</td>

            </tr>
            <tr>
                <td>Price:</td>
                <td>{$price}</td>

            </tr>
            <tr>
                <td>Host:</td>
                <td>
                    <form method='POST' name='hostprofile'
action='offerPage.php'>
                        <a href='#'
onclick='document.forms[\"hostprofile\"].submit();'>{$hName} {$iName}</a>
                    </form>

                </td>
            </tr>
            <tr>
                <td>Address:</td>
                <td>{$street} {$city} {$state} {$country} {$pcode}</td>

            </tr>
            <tr>
                <td>Number of beds:</td>
                <td>{$bnum}</td>

            </tr>
            <tr>
                <td>Number of bathrooms:</td>
                <td>{$wcnnum}</td>
        </table>
    
```



```

        </tr>
        <tr>
            <td>Capacity:</td>
            <td>{$capacity}</td>
        </tr>
        <tr>
            <td>Wifi:</td>
            <td>{$wifi}</td>
        </tr>
        <tr>
            <td>Washing Machine:</td>
            <td>{$washmac}</td>
        </tr>
        <tr>
            <td>Dishwasher:</td>
            <td>{$dishwasher}</td>
        </tr>
    </table>
    <form name='reserve' method='POST' action='offerPage.php'>
        <input type='submit' name='submit' value='Reserve'>
    </form>";
}
else{
    $title=$row["title"];
    $wifi=$row["wifi"];
    $washmac=$row["washmac"];
    $dishwasher=$row["dishwasher"];
    $hName=$row["hName"];
    $lName=$row["lName"];
    $country=$row["country"];
    $state=$row["state"];
    $street=$row["street"];
    $city=$row["city"];
    $pcode=$row["pcode"];
    $price=$row["price"];
    $bnum=$row["bnum"];
    $wcnum=$row["wcnum"];
    $hID=$row["hID"];
    $rnum=$row["rnum"];
    $_SESSION["hID"] = $hID;

    if(strcmp($wifi, "Y")==0){
        $wifi = "Yes";
    }
    else{
        $wifi = "No";
    }
    if(strcmp($washmac, "Y")==0){
        $washmac = "Yes";
    }
    else{
        $washmac = "No";
    }
    if(strcmp($dishwasher, "Y")==0){
        $dishwasher = "Yes";
    }
    else{
        $dishwasher = "No";
    }

    echo "<table>
        <tr>
            <td>{$title}</td>
        </tr>
        <tr>
            <td>Price:</td>
            <td>{$price}</td>
        </tr>
        <tr>
            <td>Host:</td>
            <td>
                <form method='POST' name='hostprofile'

```

action='offerPage.php' >

```

                                <a href='#'
onclick='document.forms["hostprofile"].submit();>{$hName} {$IName}</a>
                                </form>
                                </td>
                                </tr>
                                <tr>
                                <td>Address:</td>
                                <td>{$street} {$city} {$state} {$country} {$pcode}</td>
                                </tr>
                                <tr>
                                <td>Number of beds:</td>
                                <td>{$bnum}</td>
                                </tr>
                                <tr>
                                <td>Number of bathrooms:</td>
                                <td>{$wcnum}</td>
                                </tr>
                                <tr>
                                <td>Number of rooms:</td>
                                <td>{$rnum}</td>
                                </tr>
                                <tr>
                                <td>Wifi:</td>
                                <td>{$wifi}</td>
                                </tr>
                                <tr>
                                <td>Washing Machine:</td>
                                <td>{$washmac}</td>
                                </tr>
                                <tr>
                                <td>Dishwasher:</td>
                                <td>{$dishwasher}</td>
                                </tr>
                                </table>
                                <form name='reserve' method='POST' action='offerPage.php'>
                                <input type='submit' name='submit' value='Reserve'>
                                </form>";
    }
}
?>
</body>
</html>

```

7.2.15 profile.php

```

<?php
    session_start();
?>
<!DOCTYPE html>
<html>

    <?php
        $uid = $_SESSION["uid1"];

        $dbhost = 'localhost';
        $dbuser = 'root';
        $dbpass = '12345';

        $con = mysql_connect($dbhost, $dbuser, $dbpass);

        if(!$con){
            die('Could not connect: ' . mysql_error());
        }

        mysql_select_db("cs353");
    }

```

```

$sql = "SELECT U.first_name as name, U.last_name as lname, U.tel as pnum,
          U.email as email, C.num_of_travels as tnum,
          H.num_of_accommodations as anum FROM User U, Client C, Host H
        WHERE U.uid = {$uid} AND C.uid = U.uid AND H.uid = U.uid;";

$result = mysql_query($sql, $con);

$name = $lname=$email="";
$pnum=$tnum=$anum=0;
while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
    $name = $row["name"];
    $lname = $row["lname"];
    $email = $row["email"];
    $pnum = $row["pnum"];
    $tnum = $row["tnum"];
    $anum = $row["anum"];
}
echo "<head><title>{$name} {$lname}</title></head>";
echo '<body>
<a href="home.php">Home</a>
<a href="search.php">Search</a>
<a href="redirect.php">Profile</a>
<a href="info.html">About</a>
<a href="logout.php">Logout</a>';
echo "<div>

        <h1>Welcome to {$name} {$lname}'s profile!</h1>
        <table>

            <tr>

                <td>Name, Lastname: </td>
                <td>{$name} {$lname}</td>

            </tr>

            <tr>

                <td>E-mail: </td>
                <td>{$email}</td>

            </tr>

            <tr>

                <td>Phone Number: </td>
                <td>{$pnum}</td>

            </tr>

            <tr>

                <td>Number of travels: </td>
                <td>{$tnum}</td>

            </tr>

            <tr>

                <td>Number of accommodations: </td>
                <td>{$anum}</td>

            </tr>

        </table>

    </div>

    <div>
    <br>

        <table>

            <tr>

                <td>
                    <form action='res.php'>
                        <input type='submit' value='Reservations'/>
                    </form>
                </td>

            </tr>

            <tr>

                <td>
                    <form action='offerings.php'>
                        <input type='submit' value='Offerings'/>
                    </form>
                </td>

            </tr>

            <tr>

                <td>
                    <form action='accommodations.php'>

```

```

value='Accommodations'/>
</td>
</tr>
<tr>
<td>
<form action='review.php'>
<input type='submit' value='Reviews'/>
</form>
</td>
</tr>
</table>
</div>
</body>";
?>
</html>

```

7.2.16 redirect.php

```

<?php
    session_start();
?>
<?php $_SESSION["uid1"] = $_SESSION["uid"];
    header("Location: profile.php");?>

```

7.2.17 register.php

```

<?php
    session_start();
?>
<html>
    <head>
        <link type="text/css" rel="stylesheet" href="stylesheetregister.css"/>
        <title>Welcome!</title>

        <style>
            div.card {
                box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
                text-align: left; padding-left: 15px; padding-top: 30px; padding-bottom: 30px; background-color: rgba(0, 0, 0, .2);
            }

            div.header {
                background-color: #FFFFFF;
                color: black;
                padding: 10px;
                font-size: 40px;
            }

            div.container {
                padding: 10px;
            }
        </style>
    </head>

    <body background = "registerbackground.jpg">
        <?php
            $name=$lname=$user=$pass=$pnum=$email="";

            if($_SERVER["REQUEST_METHOD"] == "POST"){
                $user = htmlspecialchars($_POST["user"]);
                $pass = htmlspecialchars($_POST["pass"]);
                $name = htmlspecialchars($_POST["name"]);
                $lname = htmlspecialchars($_POST["lname"]);
                $pnum = htmlspecialchars($_POST["pnum"]);
            }

```

```

$email = htmlspecialchars($_POST["email"]);

$dbhost = 'localhost';
$dbuser = 'root';
$dbpass = '12345';

$con = mysql_connect($dbhost, $dbuser, $dbpass);

if(!$con){
    die('Could not connect: ' . mysql_error());
}

mysql_select_db("cs353");
$sql = 'SELECT MAX(uID) as uID FROM User;';

$result = mysql_query($sql, $con);
$uID = 0;

while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
    $uID = $row['uID']+1;
}

$sql = "INSERT INTO User VALUES({$uID}, '{$name}', '{$iname}',
'{$pnum}', '{$email}')";

$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}

$sql = "INSERT INTO Login VALUES({$uID}, '{$user}', '{$pass}')";
$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
    /*$sql = "DELETE FROM User WHERE uID = {$uID}";
    $result = mysql_query($sql, $con);
    while(!$result){
        $sql = "DELETE FROM User WHERE uID = {$uID}";
        $result = mysql_query($sql, $con);
    }*/
}

$sql = "INSERT INTO Client VALUES({$uID}, 0)";
$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}

$sql = "INSERT INTO Host VALUES({$uID}, 0)";
$result = mysql_query($sql, $con);

if(! $result ) {
    die('Could not enter data: ' . mysql_error());
}
header("Location: login.php");
}

?>

<div id = "headerBar" >
</div>

```

```

        <div class = "card" id = "registerBox">
            <h1 ><font color = "white">Please enter the required information</h1>

                <form name="register" method="POST" action = "<?php echo
htmlspecialchars($_SERVER['PHP_SELF']); ?>">
                    <table >

                        <tr>

                            <td><input id ="textField" type="text" placeholder="Username"
name="user" required></td>

                                </tr>
                            <tr>

                                <td><input id ="textField" type="text" placeholder="Name"
name="name" required></td>

                                    </tr>
                                <tr>

                                    <td><input id ="textField" type="text" placeholder="Lastname"
name="lname" required></td>

                                        </tr>
                                    <tr>

                                        <td><input id ="textField" type="text" placeholder="Phone
Number" name="pnum" required></td>

                                            </tr>
                                        <tr>

                                            <td><input id ="textField" type="text" placeholder="Password"
name="pass" required></td>

                                                </tr>
                                                <tr>

                                                    <td><input id ="textField" type="text" placeholder="E-mail"
name="email" required></td>

                                                        <td><input id = "button" type="submit" name="submit"
value="Create Account"></td>

                                                            </tr>
                                                        </table>

                                                    </form>

                                                </div>

                                        </body>

                                    </html>

```

7.2.18 res.php

```

<?php
    session_start();
?>
<!DOCTYPE html>
<html>
    <head>
        <title>Review</title>
    </head>
    <body>
        <a href="home.php">Home</a>
        <a href="search.php">Search</a>
        <a href="redirect.php">Profile</a>
        <a href="info.html">About</a>
        <a href="logout.php">Logout</a>
        <br>
        <br>
        <br>
        <?php
            $uID_this = $_SESSION["uID"];
            $uID_search = $_SESSION["uID1"];
            $dbhost = 'localhost';
            $dbuser = 'root';
            $dbpass = '12345';

            $con = mysql_connect($dbhost, $dbuser, $dbpass);

```

```

if(!$con){
    die('Could not connect: ' . mysql_error);
}

mysql_select_db("cs353");
$sql = "Select R.res_date_begin as res_date_begin, R.res_date_end as res_date_end,
        R.resID as resID, A.type as type, Ad.country as
country, A.aID as aID,
        Ad.city as city, Ad.street as street, A.uID as hID,
        R.res_date_begin as entry
        From      Reservation R, Offer O,Accommodation A,Address Ad
        Where      R.uID={$uID_search} and R.oID= O.oID and O.aID=A.aID and
        Ad.aID= A.aID;";

$result = mysql_query($sql, $con);

if(!$result){
    echo "<h1>There is no reservation from this client.</h1>";
}else{
    $count = 1;
    $res_date_begin = "";
    $res_date_end = "";
    $type = "";
    $city = "";
    $country = "";
    $street = "";
    $resID = 0;
    $row;
    $empty = true;
    while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
        $empty = false;
        $res_date_begin = $row["res_date_begin"];
        $res_date_end = $row["res_date_end"];
        $type = $row["type"];
        $city = $row["city"];
        $country = $row["country"];
        $street = $row["street"];
        $resID = $row["resID"];
        $aID = $row["aID"];
        $hID = $row["hID"];
        $entry = $row["entry"];
        if(strcmp($type, "R")){
            $type = "Room";
        }else{
            $type = "House";
        }
        echo "<table><tr>
                                <td><h2>Reservation Number
                                </td></tr>
                                <tr>
                                <td>Reservation ID:</td>
                                <td>{$resID}</td>
                                </tr>
                                <tr>
                                <td>Reservation date begin/end:
                                </td></tr>
                                <tr>
                                <td>Type: {$type}</td>
                                </tr>
                                <tr>
                                <td>Address: {$country} - {$city} -
                                </td></tr>
                                </tr></table>
                                ";
        $count = $count+1;
    }
}

```

```

$curDate = date('Y-m-d');
echo "<table><tr>";
if($entry > $curDate && $_SESSION['uID'] ==
$_SESSION['uID1']){
    echo "
        <td><form>
            <input type='button' value='Cancel'
onclick='window.location.href=\"cancelRes.php?resID={\$resID}\"' />
        </form></td>";
    }

    mysql_select_db("cs353");
    $sql = "SELECT rID FROM Reviews
        WHERE uID_1={$_SESSION['uID']} AND
        AND aID={\$aID};";

    $r = mysql_query($sql, $con);
    $empty_ = true;
    while($row_ = mysql_fetch_array($r, MYSQL_ASSOC)) {
        $empty_ = false;
    }
    if($entry < $curDate && $empty_ && $_SESSION['uID'] ==
$_SESSION['uID1']){
        echo "<td><form>
            <input type='button' value='Write
Review' onclick='window.location.href=\"writeRev.php?aID={\$aID}&resID={\$resID}&hID={\$hID}\"' />
        </form></td>";
    }

    echo "</tr></table>";
}
if($empty){
    echo "<h1>There is no reservation from this client.</h1>";
}
}

?>
</body>
</html>

```

7.2.19 review.php

```

<?php
    session_start();
?>
<!DOCTYPE html>
<html>
    <head>
        <title>Review</title>
    </head>
    <body>
        <a href="home.php">Home</a>
        <a href="search.php">Search</a>
        <a href="redirect.php">Profile</a>
        <a href="info.html">About</a>
        <a href="logout.php">Logout</a>
        <br>
        <br>
        <br>
        <?php
            $uID_this = $_SESSION["uID"];
            $uID_search = $_SESSION["uID1"];
            $dbhost = 'localhost';
            $dbuser = 'root';
            $dbpass = '12345';

```



```

$con = mysql_connect($dbhost, $dbuser, $dbpass);

if(!$con){
    die('Could not connect: ' . mysql_error);
}

mysql_select_db("cs353");
$sql = "Select U.first_name as first_name, U.last_name as last_name,
        R.uID_2 as uID_2, R.rating as rating, r.review as review
        From User U,Host H, Reviews R
        Where U.uID= H.uID and H.uID =R.uID_2
        and H.uID ={$uID_search}";

$result = mysql_query($sql, $con);

$first_name = "";$last_name = "";
$review = "";
$uID_2 = $rating = 0;
$row;
$empty = true;
while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
    $empty = false;
    $first_name = $row["first_name"];
    $last_name = $row["last_name"];
    $review = $row["review"];
    $uID_2 = $row["uID_2"];
    $rating = $row["rating"];
    echo "<table><tr>
                                <td><h2>Host Review</h2></td>
                                </tr>
                                <tr>
                                <td>Name:</td>
                                <td>{$first_name}
                                </td></tr>
                                <tr>
                                <td>Rating:</td>
                                <td>{$rating}</td>
                                </tr>
                                <tr>
                                <td>Review: {$review}</td>
                                </tr>
                                </tr></table>";
}
if($empty){
    echo "<h1>There is no information about this user's host
services.</h1>";
}

```

```

$sql = "Select U.first_name as first_name, U.last_name as last_name,
        R.uID_2 as uID_2, R.rating as rating, R.review as review, R.aID as aID
        From User U,Client C, Reviews R
        Where U.uID= C.uID and U.uID = R.uID_1
        and U.uID ={$uID_search}";

```

```

$result = mysql_query($sql, $con);

```

```

$first_name = "";$last_name = "";
$review = "";
$uID_2 = $rating = 0;
$row;
$empty = true;
while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
    $empty = false;

```

```

        $first_name = $row["first_name"];
        $last_name = $row["last_name"];
        $review = $row["review"];
        $uID_2 = $row["uID_2"];
        $rating = $row["rating"];
        $aID = $row["aID"];
        echo "<table><tr>
                                <td><h2>Client Review</h2></td>
                                </tr>
                                <tr>
                                    <td>Name:</td>
                                    <td>{$first_name}
                                </tr>
                                <tr>
                                    <td>Rating:</td>
                                    <td>{$rating}</td>
                                </tr>
                                <tr>
                                    <td>Review: {$review}</td>
                                </tr>
                                </tr></table>";
    }
    if($empty){
        echo "<h1>There is no information about this user's client
services.</h1>";
    }

    ?>
</body>
</html>

```

7.2.20 search.php

```

<?php
session_start();
?>
<html>
<head>
    <link type="text/css" rel="stylesheet" href="stylesheetsearch.css"/>
    <title>Welcome!</title>

    <style>
        div.card {
            box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
            text-align: left; padding-left: 50px; padding-top: 20px; padding-bottom: 30px; margin-left:
300px;
            margin-right: 300px;
        }

        div.header {
            background-color: #FFFFFF;
            color: black;
            padding: 10px;
            font-size: 40px;
        }

        div.container {
            padding: 10px;
        }
    </style>
</head>

<body >
    <div id = "menuBar" >
        <div id = "buttoncontainer" >
            <button id = "links"><a href="home.php"><font color = white>Home</font></a> </button>
            <button id = "links"><a href="search.php"><font color = white>Search</font></a> </button>
            <button id = "links"><a href="redirect.php"><font color = white>Profile</font></a> </button>

```

```

        <button id = "links"><a href="info.html"><font color = white>About</font></a> </button>
        <button id = "links"><a href="logout.php"><font color = white>Logout</font></a> </button>
    <br/>

</div>

</div>

<div class = "card" id= "divided">

    <form name="pick" method="POST" action="search.php">
        <table>
            <tr>
                <td></td>
                <td><input id = "textField" type="text" placeholder="Country"
name="country" required>&nbsp;</td>
            </tr>
            <tr>
                <td></td>
                <td><input id = "textField" type="text" placeholder="City" name="city"
required>&nbsp;</td>
            </tr>
            <tr>
                <td></td>
                <td><input id = "textField" type="date" placeholder="YYYY-MM-DD"
name="entry" required>&nbsp;</td>
            </tr>
            <tr>
                <td></td>
                <td><input id = "textField" type="date" placeholder="YYYY-MM-DD"
name="checkout" required>&nbsp;</td>
            </tr>
            <tr>
                <td></td>
                <td><input id = "textField" type="text" placeholder="Number of guests"
name="gnum" required></td>
            </tr>
            <tr>
                <td><input id = "button" type="submit" name="submit"
value="Search"/></td>
            </tr>
        </table>
    </form>
    <br>
    <br>

<?php
if($_SERVER["REQUEST_METHOD"] == "POST"){
    $country = $_POST["country"];
    $city = $_POST["city"];
    $entry = $_POST["entry"];
    $checkout = $_POST["checkout"];
    $gnum = $_POST["gnum"];

    $dbhost = 'localhost';
    $dbuser = 'root';
    $dbpass = '12345';

    $con = mysql_connect($dbhost, $dbuser, $dbpass);

    if(!$con){
        die('Could not connect: ' . mysql_error());
    }

    mysql_select_db("cs353");

    $sql = "SELECT O.title as title, O.price as price, Ad.country as country,
            Ad.city as city, A.type as type, A.no_of_bed, O.oID as oID
            FROM Accommodation A, Address Ad, Offer O
            WHERE A.aID = Ad.aID AND O.aID = A.aID
            AND Ad.country='{$country}' AND Ad.city = '{$city}'
            AND A.no_of_bed >= {$gnum} AND A.uID <> {$_SESSION['uID']}
            AND NOT EXISTS(
                SELECT R.resID FROM Reservation R

```

```

WHERE R.oid = O.oid AND
((STR_TO_DATE('{ $entry}', '%Y-%m-%d') BETWEEN
R.res_date_begin AND R.res_date_end) OR
STR_TO_DATE('{ $checkout}', '%Y-%m-%d') BETWEEN
(R.res_date_begin BETWEEN
AND STR_TO_DATE('{ $checkout}', '%Y-%m-%d')) OR
(R.res_date_end BETWEEN
STR_TO_DATE('{ $entry}', '%Y-%m-%d') AND STR_TO_DATE('{ $checkout}', '%Y-%m-%d')))
);";

$result = mysql_query($sql, $con);

$row;
$empty = true;
while($row = mysql_fetch_array($result, MYSQL_ASSOC)) {
    $empty = false;
    $oid = $row["oid"];
    $title = $row["title"];
    $price = $row["price"];
    $country = $row["country"];
    $city = $row["city"];
    $type = $row["type"];
    $no_of_bed = $row["no_of_bed"];
    if(strcmp($type, "R") == 0){
        $type = "Room";
    }else{
        $type = "House";
    }
    echo "<table>
    <tr>
    <td><a href='offerPage.php?oid={$oid}'>{$title}</a></td>
    </tr>
    <tr>
    <td>Price:</td>
    <td>{$price} $</td>
    </tr>
    <tr>
    <td>Place:</td>
    <td>{$city} {$country}</td>
    </tr>
    <tr>
    <td>Type:</td>
    <td>{$type}</td>
    </tr>
    <tr>
    <td>Number of beds:</td>
    <td>{$no_of_bed}</td>
    </tr>
    </table>
    <br>
    <br>";
}
if($empty){
    echo "<font color = 'black'> <h1>There are no matching results</font></h1>";
}
}

?>

</div>

</body>
</html>

```

7.2.21 stylesheetaddacc.css

```
#menuBar{
    position: relative;
    margin-top: -10px;
    height: 60px;
    width: %100;
    margin-right: -10px;
    margin-left: -10px;
    background-color: #0A6C8E;
    border-top-left-radius: 0px;
    border-top-right-radius: 0px;
    padding-top: 20px;
}

#links{
    position: relative;
    background-color: #0A6C8E;
    height: 30px;
    width: 65px;
    border: 0px;
    color: #FFFFFF;
    border-color: #0A6C8E;
    margin-left: -1px;
}

#buttoncontainer{
    position: relative;
    margin-left: 500px;
    margin-top: 20px;
    padding-left: 4px;
    height: 30px;
    width: 339px;
    background-color: #075069;
}

#divided{
    position: relative;
    margin-top: -20px;
    margin-left: 300px;
    margin-right: 300px;
}

#selectButton{
    outline: none;
    position: relative;
    width: 150px;
    height: 30px;
    border: 1px;
    border-style: solid;
    border-radius: 15px;
    border-color: #DEDEDE;
    background: linear-gradient(180deg, #FFFFFF, #D1D1D1);
}

#selectButton:hover{
    outline: none;
    position: relative;
    width: 150px;
    height: 30px;
    border: 1px;
    border-style: solid;
    border-radius: 15px;
    border-color: #DEDEDE;
    background: linear-gradient(180deg, #FFFFFF, #DEDEDE);
}

#room{
    height: 60px;
    width: 60px;
}
```

```

}

#home{
    height: 64px;
    width: 64px;
}

#textField{
    margin-top: 5px;
    margin-left: 10px;
    outline: none;
    height: 30px;
    width: 200px;
    border-radius: 15px;
    padding-left: 7px;
    border: 1px;
    border-style: solid;
    border-color: #DEDEDE;
    background-color: #FFFFFF;
    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 3px 3px 0 rgba(0, 0, 0, 0.19);
}

#streeticon{
    margin-top: 5px;
    width: 30px;
    height: 30px;
}

#createBotton{

    outline: none;
    position: relative;
    width: 200px;
    height: 30px;
    border: 1px;
    border-style: solid;
    border-radius: 15px;
    border-color: #DEDEDE;
    background: linear-gradient(180deg, #FFFFFF, #D1D1D1);
}

#createBotton:hover{

    outline: none;
    position: relative;
    width: 200px;
    height: 30px;
    border: 1px;
    border-style: solid;
    border-radius: 15px;
    border-color: #DEDEDE;
    background: linear-gradient(180deg, #FFFFFF, #DEDEDE);
}

```

7.2.22 stylesheetlogin.css

```

#loginBar{
    position: relative;
    top: -25px;
    height: 150px;
    width: 100%;
    margin-right: -10px;
    margin-left: -10px;
    background-color: #0A6C8E;
    border-top-left-radius: 0px;
    border-top-right-radius: 0px;
}

```

```

}

#table{
    position: relative;
    left: 225px;
}

#textfield{

    height: 30px;
    width: 150px;
    border-radius: 5px;
    padding-left: 7px;
    border:0px;
    border-color: #FFFFFF;
    background-color: #FFFFFF;

}
#foto{
    position: relative;
    width: %100;
    height: %100;
    margin-left: 0px;
    margin-right: 0px;
    margin-bottom: 0px;
}

#loginbutton{

    height: 30px;
    width: 60px;
    border-radius: 5px;
    border:0px;
    color:#FFFFFF;
    border-color: #1F9BC4;
    background-color: #1F9BC4;

}

#middleBody{
    position: relative;
    margin-left: 10px;
    height: 170px;
    width: 450px;
    text-shadow: -1px 0 black, 0 1px black, 1px 0 black, 0 -1px black;
}

#first{
    font-size: 45px;

}
#second{
    font-size: 25px;

}

body {
    background-repeat:no-repeat;

    background-size:cover;
}

```

7.2.23 stylesheetregister.css

```

#headerBar{
    position: relative;

```

```

        margin-top: -30px;
        height: 70px;
        width: %100;
        margin-right: -10px;
        margin-left: -10px;
        background-color: #0A6C8E;
        border-top-left-radius: 0px;
        border-top-right-radius: 0px;
    }

#registerBox{

        margin-left: 50px;
        position: relative;
        width: 400px;
        height: %100;

    }

#textField{
        height: 30px;
        width: 150px;
        border-radius: 5px;
        padding-left: 7px;
        border: 0px;
        border-color: #FFFFFF;
        background-color: #FFFFFF;
    }
#button{
        margin-left: 15px;
        height: 30px;
        width: %100px;
        border-radius: 5px;
        border: 0px;
        color: #FFFFFF;
        border-color: #1F9BC4;
        background-color: #1F9BC4;
    }

table{
        position: relative;
        margin-left: 30px;
    }

```

7.2.24 stylesheetsearch.css

```

#menuBar{
        position: relative;
        margin-top: -10px;
        height: 60px;
        width: %100;
        margin-right: -10px;
        margin-left: -10px;
        background-color: #0A6C8E;
        border-top-left-radius: 0px;
        border-top-right-radius: 0px;
        padding-top: 20px;
    }

#links{
        position: relative;
        background-color: #0A6C8E;
        height: 30px;
        width: 65px;
        border: 0px;
        color: #FFFFFF;
        border-color: #0A6C8E;
        margin-left: -1px;
    }

```



```

#buttoncontainer{
    position: relative;
    margin-left: 500px;
    margin-top: 20px;
    padding-left: 4px;
    height: 30px;
    width: 339px;
    background-color: #075069;
}

#divided{
    position: relative;
    margin-left: 300px;
    margin-right: 300px;
}

#streeticon{
    position: relative;
    margin-top: 5px;
    width: 30px;
    height: 30px;
}

#textField{
    margin-top: 5px;
    margin-left: 10px;
    outline: none;
    height: 30px;
    width: 200px;
    border-radius: 15px;
    padding-left: 7px;
    border: 1px;
    border-style: solid;
    border-color: #DEDEDE;
    background-color: #FFFFFF;
    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 3px 3px 0 rgba(0, 0, 0, 0.19);
}

#button{
    outline: none;
    margin-left: 10px;
    margin-top: 5px;
    width: 200px;
    height: 30px;
    border: 1px;
    border-style: solid;
    border-radius: 15px;
    border-color: #DEDEDE;
    background: linear-gradient(180deg, #FFFFFF, #D1D1D1);
    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 3px 3px 0 rgba(0, 0, 0, 0.19);
}

#button:hover{
    outline: none;
    margin-left: 10px;
    margin-top: 5px;
    width: 200px;
    height: 30px;
    border: 1px;
    border-style: solid;
    border-radius: 15px;
    border-color: #DEDEDE;
    background: linear-gradient(180deg, #FFFFFF, #DEDEDE);
    box-shadow: 0 4px 8px 0 rgba(5, 114, 150, 0.4), 0 3px 3px 0 rgba(5, 114, 150, 0.4);
}

```

7.2.25 writeRev.php

```
<?php
    session_start();
?>
<html>
    <head>
        <title>Welcome!</title>
    </head>

    <body>
        <a href="home.php">Home</a>
        <a href="search.php">Search</a>
        <a href="redirect.php">Profile</a>
        <a href="info.html">About</a>
        <a href="logout.php">Logout</a>
        <br/>

    </body>
</html>

<?php

if($_SERVER["REQUEST_METHOD"] == "POST"){
    $post = $_POST["review"];
    $rating = $_POST["rating"];
    $aID = $_SESSION["aID"];
    $hID = $_SESSION["hID"];

    $dbhost = 'localhost';
    $dbuser = 'root';
    $dbpass = '12345';

    $con = mysql_connect($dbhost, $dbuser, $dbpass);

    if(!$con){
        die('Could not connect: ' . mysql_error());
    }

    mysql_select_db("cs353");

    $sql = "SELECT MAX(rID) as rID FROM Reviews;";

    $return = mysql_query($sql, $con);

    $rID = 0;
    while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
        $rID = $row_["rID"]+1;
    }

    $sql = "INSERT INTO Reviews VALUES({$rID}, {$rating}, '{$post}',
{$_SESSION['uID']}, {$hID}, {$aID}, 0);";

    $result = mysql_query($sql, $con);

    if(!$result ) {
        die('Could not enter data: ' . mysql_error());
    }

    header("Location: review.php");
}

if($_SERVER["REQUEST_METHOD"] == "GET"){
    $aID = $_GET["aID"];
    $resID = $_GET["resID"];
    $hID = $_GET["hID"];

    $dbhost = 'localhost';
    $dbuser = 'root';
    $dbpass = '12345';
```

```

$con = mysql_connect($dbhost, $dbuser, $dbpass);

if(!$con){
    die('Could not connect: ' . mysql_error());
}

mysql_select_db("cs353");

$sql = "SELECT res_date_end FROM Reservation
        WHERE resID = {$resID}";

$return = mysql_query($sql, $con);

$checkout = "";
while($row_ = mysql_fetch_array($return, MYSQL_ASSOC)){
    $checkout = $row_["res_date_end"];
}

$curDate = date("Y-m-d");
if($curDate > $checkout){
    $_SESSION["aID"] = $aID;
    $_SESSION["hID"] = $hID;

    echo"<form name='review' method='POST' action='writeRev.php'>
        <br>Rating: <input type='number' name='rating' min =
'0' max='5' placeholder='0-5'><br><br>
        Write your review:
        <br>
        <textarea name='review' rows='10'
        cols='80'></textarea>
        <input type='submit' name='choose' id='choose'
        value='Submit'>
        </form>
    ";
}
else{
    header("Location: res.php");
}
}

?>

</body>
</html>

```

7.2.26 stylesheetaccommodations.css

```

#menuBar{
    position: relative;
    margin-top: -10px;
    height: 60px;
    width: 100%;
    margin-right: -10px;
    margin-left: -10px;
    background-color: #0A6C8E;
    border-top-left-radius: 0px;
    border-top-right-radius: 0px;
    padding-top: 20px;
}

#links{
    position: relative;
    background-color: #0A6C8E;
    height: 30px;
    width: 65px;
    border: 0px;
}

```

```

        color:#FFFFFF;
        border-color: #0A6C8E;
        margin-left: -1px;
    }

    #buttoncontainer{

        position: relative;
        margin-left: 500px;
        margin-top: 20px;
        padding-left: 4px;
        height:30px;
        width: 339px;
        background-color: #075069;
    }

    #divided{
        position: relative;
        margin-left: 300px;
        margin-right: 300px;
    }

    #buttons{
        outline: none;
        margin-left: 50px;
        margin-top: 5px;
        width: 150px;
        height: 30px;
        border:1px;
        border-style: solid;
        border-radius: 15px;
        border-color: #DEDEDE;
        background: linear-gradient(180deg, #FFFFFF, #D1D1D1);
    }

    #buttons:hover{
        outline: none;
        margin-left: 50px;
        margin-top: 5px;
        width: 150px;
        height: 30px;
        border:1px;
        border-style: solid;
        border-radius: 15px;
        border-color: #DEDEDE;
        background: linear-gradient(180deg, #FFFFFF,#DEDEDE);
        box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 3px 3px 0 rgba(0, 0, 0, 0.19);
    }

```