**Project Design**

By Zeeshan Abbasi

Revision 1.1

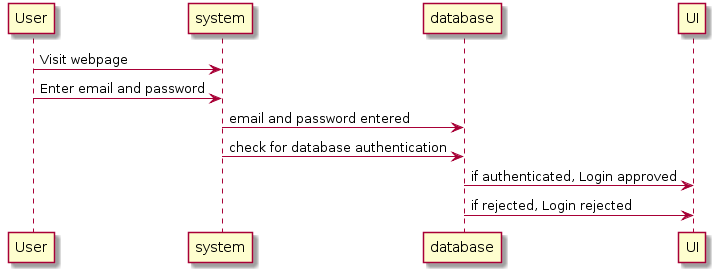
CMSC 495-7981

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| --- | --- | --- | --- |
| **Revision Number** | **Date** | **Description** | **Name(s)** |
| 1.0 | 4/8/20 | Initial document created. | Zeeshan Abbasi |
| 1.1 | 4/12/20 | Event-Trace Diagrams added, Class Design Added, Error Handling diagram added, Startup and shutdown Diagrams added | Zeeshan Abbasi |
| 1.2 | 5/2/20 | Pre-condition and post condition are added in Event-Trace Diagrams | Zeeshan Abbasi |
| 1.3 | 5/4/20 | Project Design document is revised | Zeeshan Abbasi |

**ERD Diagram: Event-trace diagram**

1. **Scenario** :

* **Description:** The user login into the system.
* **Precondition:** User must add username, password and the system must check if it is available in database or not. And to gather information.

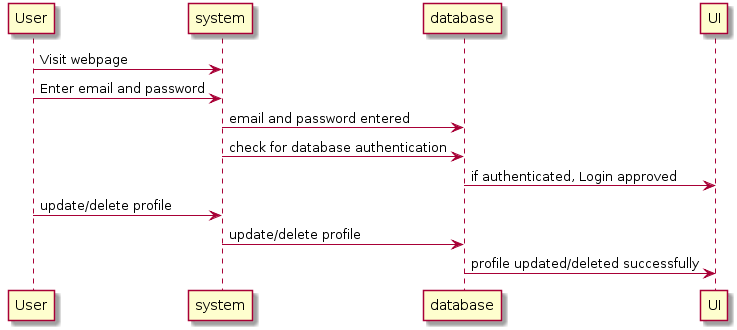


UI stands for user-interface

* **Post condition:** After adding username and password, it will be authenticated from database and result will be shown on user interface (UI)

1. **Scenario** :

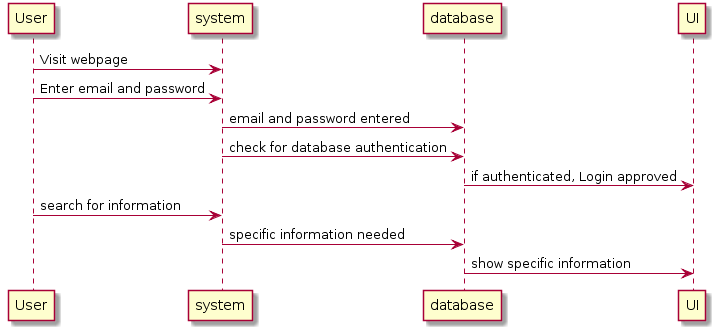
* **Description:** View, update/delete profile
* **Precondition:** The user is logged in. If not, the user must login. The user must select anything to do to update profile, to delete profile etc.



* **Post-condition:** After user get logged in into profile, user can select anything from profile. User can update and delete profile. Which will be accepted by database and message will be shown “Profile updated successfully” or “Profile deleted successfully”

1. **Start-up scenario:**

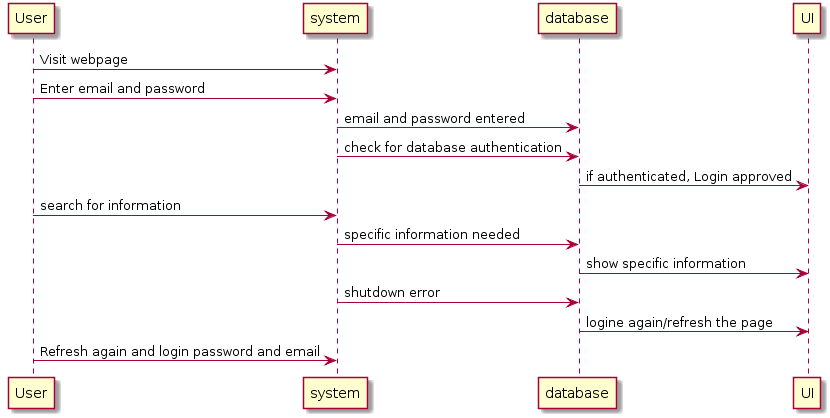
* **Pre-condition:** In start-up scenario, user will visit website and user will enter username and password.



* **Post condition:** After username and password is send to database, authorization will be done to check if user is authenticated or not.

1. **Shut down scenario:**

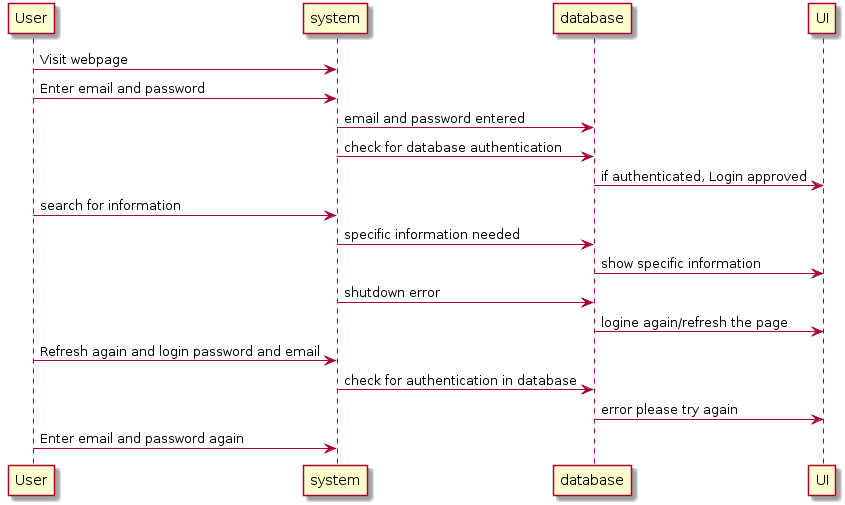
* **Pre-condition:** user login into system, search for information regarding any policy and if the system is not in use and left alone.



* **Post-condition:** If the system is left alone for long time then it will shut down and message will be sent to user to refresh or login again.

1. **Error-handling**

* **Pre-condition:** user will login into system, search for policy, and if some error happens.

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* **Post- condition:** System will logged the user out and show the error sign, which result some error happened and for rejoin again user have to enter username and password again.

**Class Design**

**LOGIN**

index.HTML

{

<form>

<input type= “text”>”ENTER Username”</input>

<input type=”password”>ENTER Password</input>

</form>

//Check connection with database

Select db. = MySQL select db. (“Local host”)

If (db selected)

{

echo "Database is connected;

}

else if(!$dbselect)

{ echo "DB is not connected ";

}

Session start ();

//Check if the visitor is registered or not

//check password and email

//If confirmed show home pg

if($checked!=0)

{

header("location:home.php");

}

else

{

header("location:loginForm.php");

}

}

**DELETE PROFILE:**

index.HTML

//php

Session start ();

//after login into profile, chose delete profile

connection=mysql\_connect("localhost","root","");

dbselect=mysql\_select\_db("userregisteration",$connection);

If (db selected)

{

echo "Database is connected;

}

else if(!$dbselect)

{ echo "DB is not connected ";

echo "</br>";

}

Query sent to mysql\_query("delete from register where Email='$Email'");

// query will be sent to delete profile to email address

echo "<br/>";

if(check query to delete profile)

else{

//back to main page of website

}

**UPDATE PROFILE:**

Index HTML

Body PHP

session\_start();

$Email=$\_SESSION['update profile'];

Upload the path to update profiel

//User enters the requirement to update profile

//Update name, image in jpeg formate etc

if(move\_uploaded\_file($\_FILES['uploadedfile']['tmp\_name'], $aa)) {

echo "The file has been uploaded";

} else{

echo "There was an error uploading the file, please try again!";

}

First name=$\_POST['Fname'];

Last name=$\_POST['Lname'];

NIC=$\_POST['NIC'];

mobileNumber=$\_POST['mobileNumber'];

Address=$\_POST['Address'];

city=$\_POST['city'];

occupation=$\_POST['occupation'];

DOB=$\_POST['DOB'];

Email=$\_POST['Email'];

password=$\_POST['password'];

gender=$\_POST['gender'];

status=$\_POST['status'];

$userID=$\_POST['userID'];

//checking connect to database

connection=mysql\_connect("localhost","root","");

dbselect=mysql\_select\_db("userregisteration",$connection);

if(!$dbselect)

{ echo "DB is not connected ";

}

//updating the profile by adding query

mysql\_query("update register set Fname='$Fname', Lname='$Lname', NIC='$NIC', mobileNumber='$mobileNumber', Address='$Address', city='$city', occupation='$occupation',

if(!$add)

{ echo "sorry, there was some error";

}

else{

$username = 'zeeshan';

$password = 'zeeshan123';

$to = $mobileNumber;

$from ='SMS Alert';

$message = 'dear '.$Fname.' u have changed your profile details successfully..!!!!';

//Write out the response

echo $response ;

// back to home page

}

}

**LOGOUT**

Index HTML

Body PHP

{

session\_start();

user enter =$\_SESSION['REGISTER'];

// error happened in session

//back to home page

}

**Unresolved risks and risk mitigation:**

* **Security risks:** As it is online platform for insurance a lot of personal data will be held by this site and a lot of attackers must be waiting for loopholes so they can attack. A lot of security measures must be taken to keep it secure.