

“SOLINSPIRE”

A Project Report Submitted in Partial Fulfillment of the requirements
For the award of the degree of
Bachelor Degree
In
Computer Science And Engineering

by

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Declaration

We hereby declare that the work which is being presented in the B.Tech Project “**Solinspire**” in partial fulfillment of the requirements for the award of the ***Bachelor of Technology*** in Computer Science and Engineering and submitted to the Department of Computer Engineering and Applications of GLA University, Mathura, is an authentic record of my own work carried under the supervision of **Mr. Vinay Agrawal, Asst.Professor,**

The Content of this project report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree.

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It gives us a great sense of pleasure to present the report of the B.Tech Mini Project undertaken during B.tech, 3rd Year, This Project in itself is an acknowledgement to the inspiration, drive and technical Assistance contributed to it by many individuals. This project would never have seen the light of the day without the help and Guidance that we have received.

We Owe Special Debt of gratitude to **Mr. Vinay Agrawal (Asst. Professor), Department of CEA**, for his constant support and guidance throughout the course of our work. His Sincerity, thoroughness and perseverance have been a constant source of inspiration for us. He has showered us with all his extensively experienced ideas and insightful comments at virtually all stages of the project & has also taught us about the latest industry-oriented technologies.

We also do not like to miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and cooperation during the development of our project. Last but not least, we acknowledge our friends for their contribution in the completion of the project.

Kumari Chhavi
Vishal Rawal
Khushboo Agrawal

ABSTRACT

This project is aimed to develop a Web application that provides Online Business card printing solutions. This website will empower millions of business owners worldwide to market themselves professionally. Cards available at affordable prices, along with design tools suited to every skill level and need, mean everyone can create the customised materials they need to get their message across. Customers can avail different offers and can make the payments using the website only. This project will turn as a great innovation for the custom-printing experience.

- Its user- friendly interface will allow users to have wonderful experience in using it.
- Payment Gateway allows users to make the payment easily.
- Customize and print visiting cards online.
- Comprehensive Review System

Chapter 1

Introduction

Solinspire is a web application aims to design and create the visiting cards according to the user requirements, places the order and delivers to the doorstep.. This project provides a wide range of design templates to the customers to choose from, so it reduces their efforts. This documentation is provided for the requirement and design specification so that developer can get the clear idea of the system and also the design specification of the system. It contain prototype UI which is useful for the customer to know about front-end view.

Motivation and Overview

The website will bring designing and technology together by providing easy designing of visiting cards before printing. It will be a game changer in the designing industry, reinventing the entire business card designing experience for its users. It will provide end-to-end solution because a wide range of business card designed, printed and delivered to you at your place. Most business cards are dull, boring, and don't say much about the person. It makes a great first impression when you create your own customized visiting cards with one of our visiting card designs. Our visiting card design templates make it easy to get professional-quality business cards without hiring a graphic designer.

Area of Computer Application

It is a binding fact that are computers are very productive, efficient and make our personal and professional lives more rewarding. These 'magical' machines can do just about anything imaginable, moreover they really excel in certain areas. Below is the list of some of the principal applications of the computer systems:

Web Development: This is very important for mankind and with the development of computers; web development has propelled towards the better a great deal. It mainly deals with the non-design aspect of building websites, which includes coding and writing markup. Web development ranges from creating plain text pages to complex **web**- based applications, social network applications, and electronic business applications.

By having software applications web-based, you eliminate the need to perform updates on each user's desktop. Maintaining and updating software can be done directly onto a server and these updates can be deployed efficiently to users' computers.

Organization of the report

The report is formulated in such sequence, everything that a user might need to know to understand the project is present in a very comprehensible way. Introductory part explains how the idea was generated and what problem we will be able to conquer after developing this project, additionally what methods and modules we used to overcome the problems.

Chapter 2

Software Requirement Specification

Technical Feasibility

Solinspire is generally based on designing and creating the visiting cards according to the user requirements, places the order and delivers to the doorstep; so the first and foremost need is to enter the login details of a user to the website and then browse the design templates on the website, it works as an input to the anomaly find card design module. Next step is to choose the design enlisted in the website, It involves producing images of design templates, logo, color and content details, after this step when the customer finalizes the card design according to their choice and enter their details then they will further proceed to the payment gateway module for proceeding the payments, further it can notify the concerned person about the successful card design.

Scope

This System provides good business opportunities to the designers and provide the repeat customers to the barons and it would be very helpful for the customers.

Customers can easily make their choices among card design and this website provides many different offers according to their subscription on the website.

Solinspire is going to make different markets for expanding the online visiting card designing.

Identify and prioritize cost-saving opportunities

- Fund raise from donors to cover the true costs of delivering the program
- Price the service or product (for paying beneficiaries) at a level that covers the true costs of providing it

Overview of SRS

This SRS aims at providing all the internal and external details of Solinspire website, the next section will provide all the overall description of the Module, login details, etc.

Overall Description:

- Solinspire provides user- friendly interface will allow users to have wonderful experience in using it.
- Payment Gateway allows users to make the payment easily.
- Customize and print visiting cards online
- Comprehensive Review System

User Characteristics

In this Website user is basically a customer for the card design template. The user can book and customize the particular card design along with easy payment system.

Specific Requirements

Technologies Used :

- Bootstrap
- PHP(Back-End)
- JavaScript
- HTML
- CSS
- MySQL

Bootstrap

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end **web** development. It contains CSS and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation and other interface components.

Bootstrap is an open-source JavaScript framework developed by the team at Twitter. It is a combination of HTML, CSS, and JavaScript code designed to help build user interface components. Bootstrap was also programmed to support both HTML5 and CSS3. Also it is called Front-end-framework. Bootstrap is a free collection of tools for creating a websites and web applications.

It contains HTML and CSS based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions.

Some Reasons for programmers preferred Bootstrap Framework

Easy to get started

Great grid system

Base styling for most HTML elements (Typography, Code, Tables, Forms, Buttons, Images, Icons)

Extensive list of components

Bundled JavaScript plugins

PHP

PHP is a server side scripting language. that is used to develop Static websites or Dynamic websites or Web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages. It s a widely-used open source general- purpose scripting language that is especially suited for web development and can be embedded into HTML.

PHP as a web development option is secure, fast and a reliable that offers lots more advantages to make it accessible to a lot of people.

It is to be given a thought as to what has made PHP Programming as one of the most commonly programming language for the Web industry. Using PHP as its language has many benefits, a few of which could be listed as below.

- PHP supports like MySQL, Oracle, Sybase, etc.
- It is by far the compatible with servers like Apache, IIS, etc.
- PHP runs on platforms, such as, Windows, Linux, etc.
- Using PHP to create a website is very simple because of the easy functions, methods, and syntax of this language.
- PHP also supports database management system and other open source databases

HTML

Web browsers can read HTML files and render them into visible or audible web pages. HTML describes the structure of a website semantically along with cues for presentation, making it a markup language, rather than a programming language.

Hypertext Markup Language, a standardized system for tagging text files to achieve font, colour, graphic, and hyperlink effects on World Wide Web pages.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page.

CSS

- CSS stands for Cascading style sheets.
- CSS describes how HTML elements are to be displayed on screen, paper, or in other media.
- CSS saves a lot of work...
- External style-sheets are stored in CSS files.

The major purpose of CSS is for describing the presentation of Web pages, including colors, layout, and fonts that allows to adapt the presentation to different types of devices, such as large screens, small screens, or printers. CSS is independent of HTML and can be used with any XML-based markup language.

The features, convenience & ease of usage provided by CSS3 are the main advantages. It lets you make the elements of a web page more dynamic, add life with a decorative touch.

CSS helps you to keep the informational content of a document separate from the details of how to display it. The details of how to display the document are known as its *style*. You keep the style separate from the content so that you can:

- Avoid duplication
- Make maintenance easier
- Use the same content with different styles for different purposes.

Using CSS, you store the style information in common files that all the pages share. When a user displays a web page, the user's browser loads the style information along with the content of the page. When a user prints a web page, you might provide different style information that makes the printed page easy to read.

JavaScript

JavaScript is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else. (Okay,

not everything, but it is amazing what you can achieve with a few lines of JavaScript code.)

The JavaScript is executed by the browser's JavaScript engine, after the HTML and CSS have been assembled and put together into a web page. This ensures that the structure and style of the page are already in place by the time the JavaScript starts to run. This is a good thing, as a very common use of JavaScript is to dynamically modify HTML and CSS to update a user interface, via the Document Object Model API (as mentioned above). If the JavaScript loaded and tried to run before the HTML and CSS were there to affect, then errors would occur.

There are several reasons for why you may want to use JavaScript on your web page even though the page is usable without the JavaScript. Most of the reasons relate to providing a friendlier experience for those of your visitors who do have JavaScript enabled. Here are a few examples of proper use of JavaScript to improve your visitor's experience.

Specifications

- i) In this project firstly we will analyze the different factors in the network which is responsible for the congestion.
- ii) After finding the factors we will apply different type of algorithm to predict the accuracy of the factors which actually effect the network
- iii) After this we will analyze the factors to reduce the congestion in the network so that it will minimize the effect on a network
- iv) Then we will work on the security aspects of the network so that we can reduce the packet loss, drop calls and network failures

Chapter 3

Software Design

The project will be structured into three phases: An investigation into the available frameworks; The creation of a software prototype to meet the minimum requirements specified above; A discussion of possible enhancements to the prototype, and implementation of as many features as possible.

The first phase of the project will focus on finding the most appropriate framework for implementing the model company's prototype solution. A selection of frameworks will be chosen from the web, and then disposable prototype systems will be created in the two frameworks deemed most suitable for the second phase of the project. Based on the experiences with these two disposable prototypes, a decision will be made for which framework will be utilized for creating the prototype solution for the next phase.

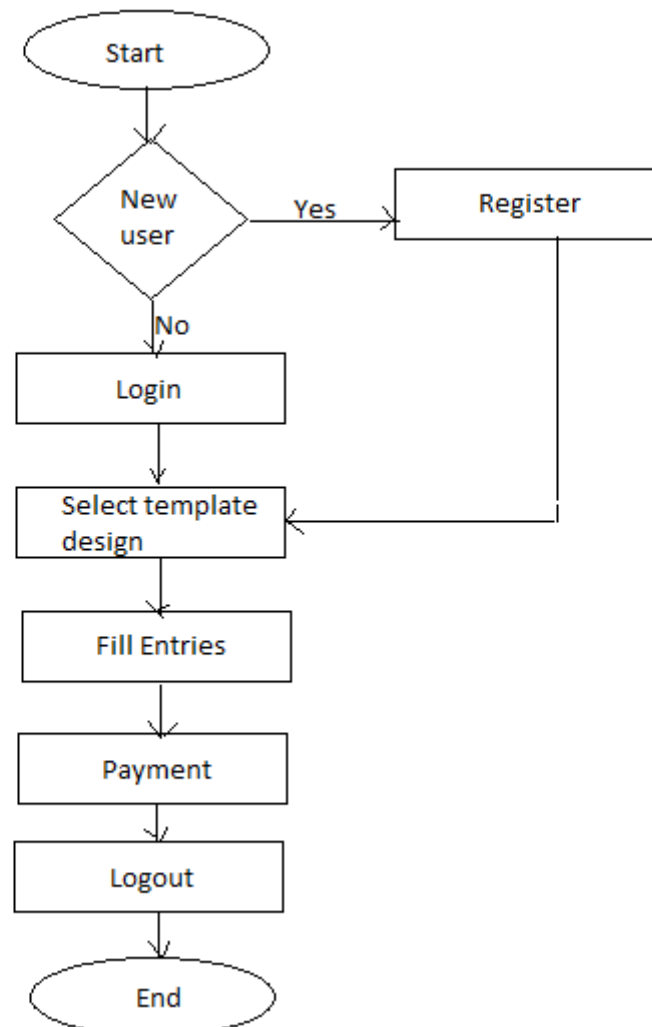
In the second phase, Log In processes will be modeled, and a requirement specification created for a web-based system. The design for the design templates will be produced, and implemented in the framework selected in phase 1.

Finally in the third phase, some system enhancements will be detailed and appropriate solutions to problems arising from user testing will also be described. Design issues in implementing the new features will be considered, and the prototype from phase 2 will be enhanced as much as time permits.

UML Diagram

A diagram is the graphical presentation of a set of elements, most often rendered as a connect graph of vertices and arcs. You draw to visualize a system from different perspective, so a diagram is a projection into a system. For all but most trivial systems, a diagram represents an elided view of the element that make up a system. The same element may appear in all diagrams, only a few diagrams or in no diagrams at all. In theory, a diagram may contain any combination of things and relationships. In practice, however, a small number of common combination arise, which are

consistent with the five most useful views that comprise the architecture of a software-intensive system.

Flowchart

Chapter 4

Implementation and User Interfaces

Requirement For The Project

The requirement of Solinspire website is to allow customers to customize and design the visiting cards online at anytime from anywhere anomalies in the data set on the bar-graph and also they can check their recommended network. When any customer selects any design template listed in the website, these baron will give feedback which will contribute in the continuous review system. The website also provides the facility of online payment through different payment gateways. This website will make it easy to get professional-quality business cards without hiring a graphic designer.

Server Side

We are using Web Server(Flask Server) to provide comprehensive user interface to reviewer the will be solely responsible for deciding if a reported anomaly/event is false positive. Server Side also contains the base module that is responsible for reporting of design process to the reviewer. We have used log in methods for maintaining user's database in order to extract meaningful statistics and other characteristics of the data. Payment Gateway is the model to make payment facility available to the customers that will benefit the users in certain ways. We have also used Client Side

User would need a computer with an updated web browser to interact with our UI and at the client side we also need a reviewer to verify the authenticity of a reported event.

System Module

In this the module that act as an interface between Client and Server is Describe in detail.

User Interfaces

We are providing the user (reviewer) with all different kind of functionalities such as notifying him/her in case he/she is not attentive enough or needs a small break. In case critical anomaly is detected in absence of the reviewer our UI is capable enough to automatically show the Graph through the concerned authorities and report the bandwidth directly to them.

Chapter 5 Contribution Summary

We are three group members in this group all are works the different languages and languages are HTML, CSS, JQUERY, JAVASCRIPT, BOOTSTRAP, SQL.

Vishal Rawal is working on the front end design using Html and CSS , using Html and CSS all modules including about, login, registration and payment. Modules description in as follow:

Home module - About module the description of the website is given on about module mainly three linker

Login module- Login module username and password are required to login into the dashboard if the user is not registered he can register himself clicking on register here button.

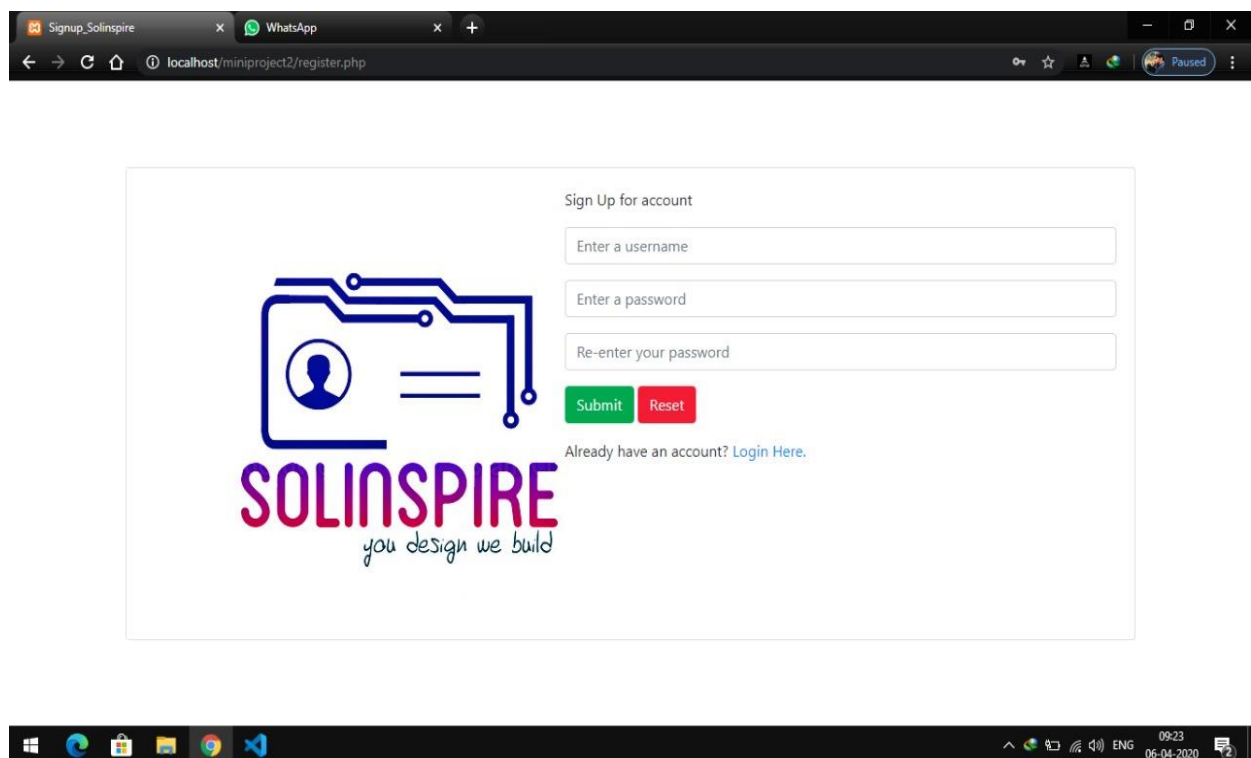
Registration module- If the user is not registered he can register himself by providing his details valid email is mandatory for the user because of the registering email it will be send to the user email address.

Design Module- It displays the range of card design template available, from which the customers can customize and design their desired business card.

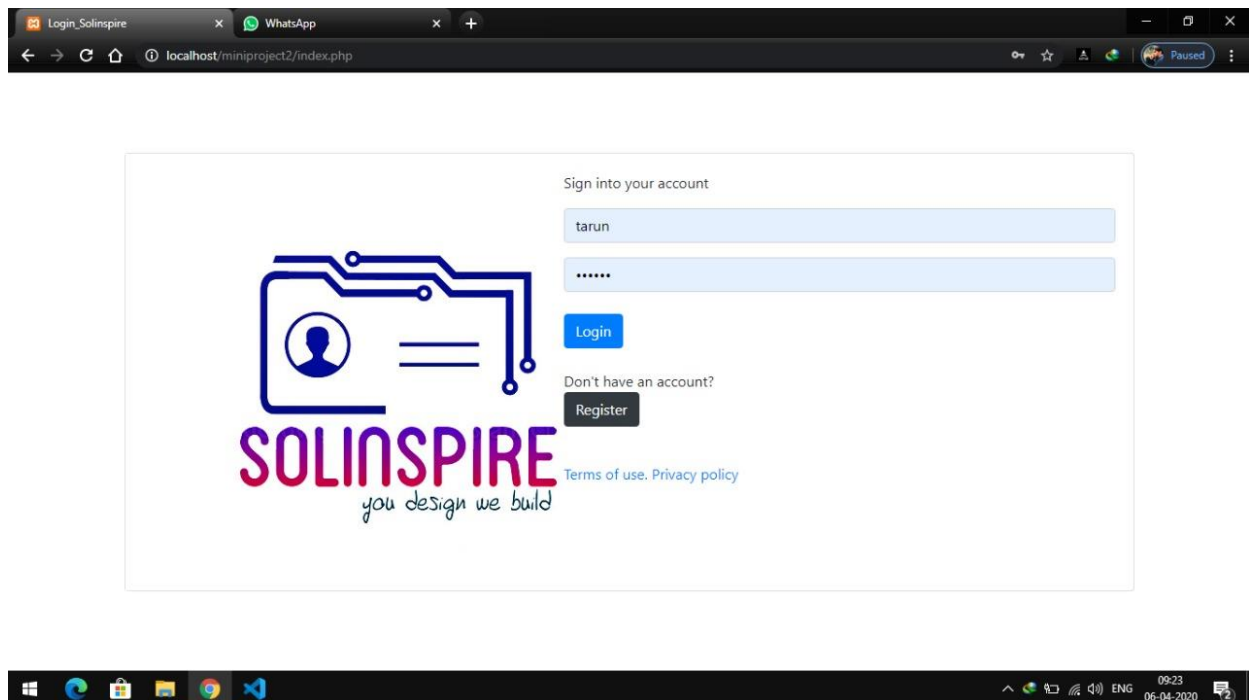
Kumari Chhavi is working on back-end using php . By using the php all the functionality of all the module are manage . All the modules are about module login module, Registration, network analysis. Description of the module are-

Home module - In the about module there are three link in the module . Links are design card, contact us, about us log out. It contains a bar to browse a data file then it will store to our database through MySQL in backhand then, we click on the result button . After the result we see the anomalies.

Login module- In the login module user enter their email-id and password to login the website. the functionality which is perform by the login button is manage by the php. It is verify their email-id and password it is correct or not into the database . The validation code is written into php. Registration module - In registration module user can register their self by entering their details that are required in the register module. After the user Registration module:- In registration module user can register their self by entering their self by entering their details that are required in the register module. After the user enter their details they are enter into database and their code is written into Php to save the data into database.



Registration page

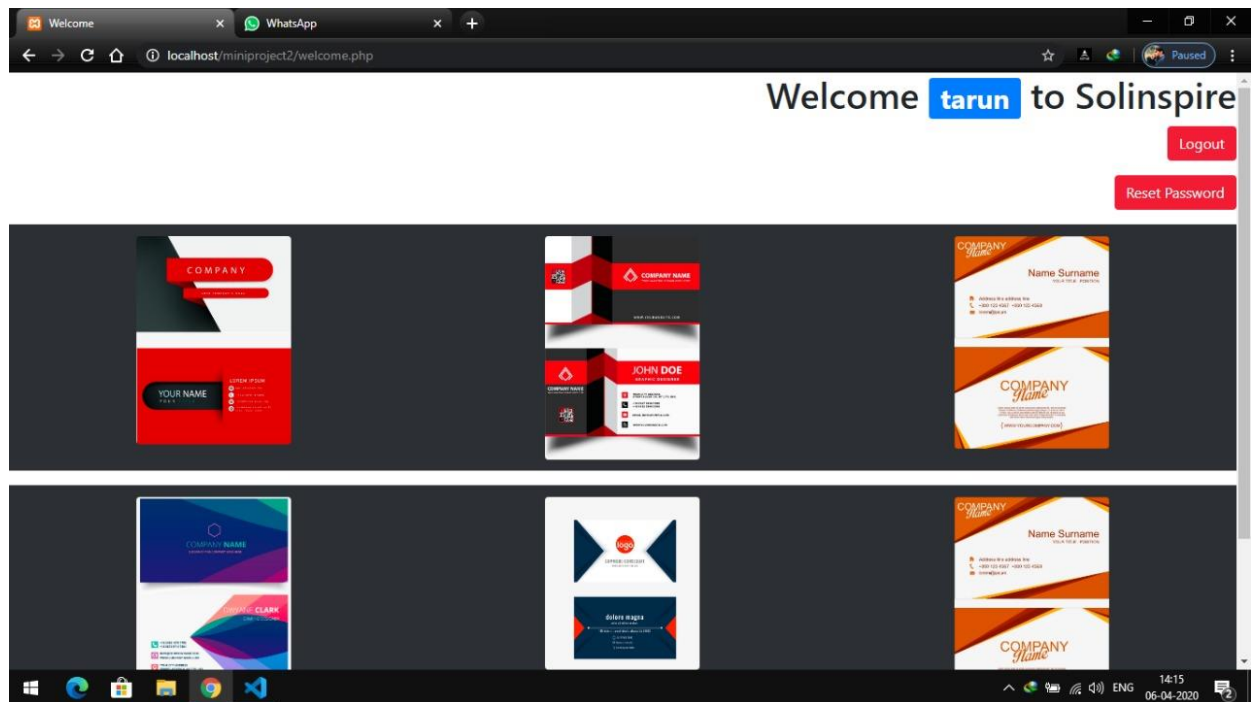


Login Page

Khushboo Agrawal is working on the language JavaScript and MySQL. JavaScript operates on the front-end most frequently and operates entirely as an engine that is part of the user's web browser. Of course, there are exceptions to this rule as noted in the brief mention of Node.js. Most typically, however, JavaScript works locally and only within the user's web browser. MySQL is the relational database management engine that provides access to the data store, which, in this case, takes the form of an SQL (Structured Query Language) database. MySQL is run by PHP using one of three system plugins for PHP: MySQL (now considered legacy), MySQL (MySQL Improved), or PDO (PHP Document Object). A query is made in PHP to the MySQL database using SQL syntax, and data is returned, typically in the form of an array or associative array. Further manipulation in PHP can format the data to be transmitted as HTML content. Finally, through communication with Apache HTTP Server, this dynamically formatted HTML data is then sent to a user's web browser.

In this project, we all are working on the part of J Query and bootstrap languages. By using Bootstrap Framework all the functionality of all the module are more effective. According to our website, Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, first projects on the web. Additionally, Bootstrap requires J query to function. J query is an extremely popular and widely used JavaScript library, that both simplifies and adds cross browser compatibility to JavaScript. Some of the ways that frameworks can help me: Prevent repetition between projects. Utilize responsive design to allow your website to adapt to various screen. Sizes - mobile, desktop, and everything in between. Add consistency to design and code between projects and between developers. Quickly and easily prototype new designs, Ensure

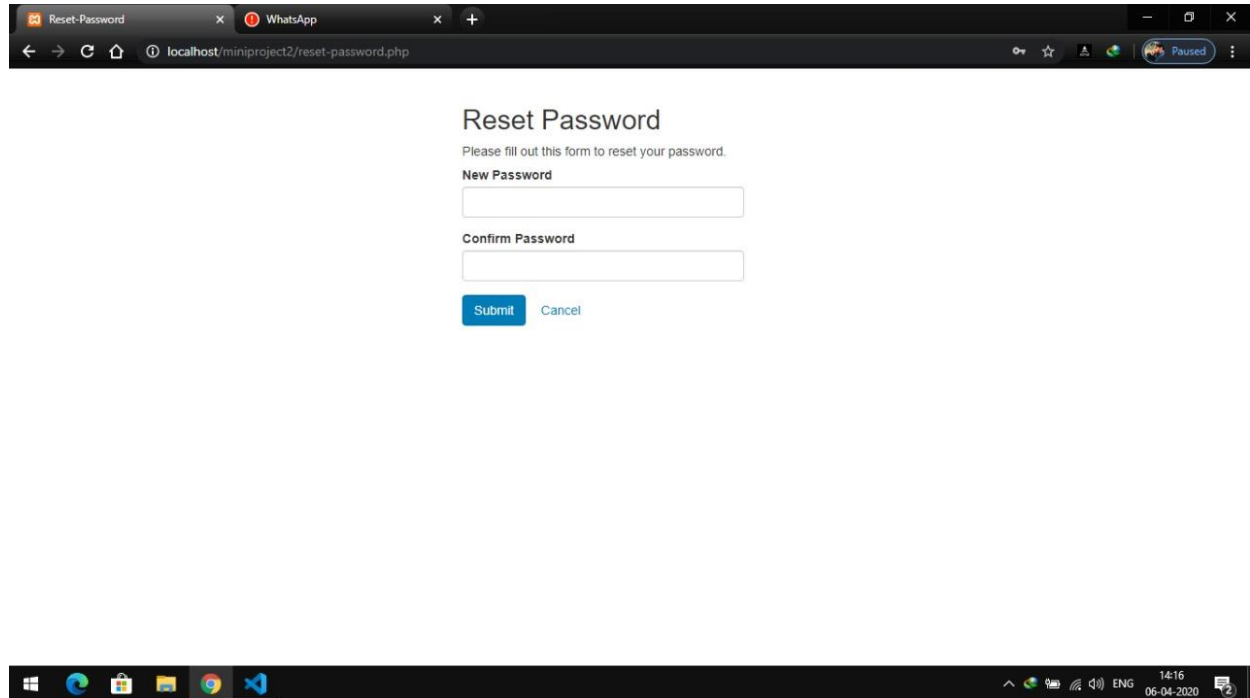
cross-browser compatibility.



Main Page

A screenshot of a web browser displaying the 'User-Detail' page. The browser's address bar shows 'localhost/miniproject2/user_detail.php?imageid=cards/card1.jpg&name=chhavi'. The page has a white background with the title 'User-Detail' and a subtitle 'Please fill out this form to know your details.' Below this, there is a form with several input fields: 'Name' (containing 'chhavi'), 'Contact', 'Email', 'Company Name', 'Company Slogan', and 'Address'. At the bottom of the form are two buttons: a green 'Submit' button and a blue 'Cancel' button. The Windows taskbar is visible at the bottom of the browser window.

Entry Filling Page



Reset password Page

Chapter 6

Further Evaluation

In this project, PHP and MYSQL both are used for the back-end. PHP is used for the web development and MYSQL is used for the database.

Hypertext Pre-processor is a general-purpose programming language which is originally designed for web development .It is a server side scripting language that is used to develop web application. PHP scripts can only be interpreted on a server that has PHP installed.

SQL is used for the database .It is used to generate queries from client program to the database. This can allow the users to execute a wide range of fast data manipulation. So, to basically put it, SQL is the main language that allows your database servers to store & edit the data on it.

In this project, PHP is used in Login and Registration page. SQL is used to store the data for further use and further validation. User authentication is very common in web application. It is a security mechanism that is used to restrict the unauthorized to member-only areas and tools on a site.

We've used the Bootstrap framework to make the form layouts quickly and beautifully. It includes HTML and CSS based design templates for image , button ,typography etc. It also gives you support for JavaScript plugins. Bootstrap's responsive CSS adjusts to phones, tablets, and desktop.

We've also used the j Query, to improve the performance of the application. It helps to implement UI related critical functionality without writing hundreds of lines of codes. It is fast . It is extensible in nature. J Query is a JavaScript library that helps to simplify and standardize interactions between JavaScript code and HTML elements. J Query is a tool that helps streamline that process. J Query simplifies HTML document traversing, event handling, animating, and Ajax interactions for rapid web development You need to write fewer line of code while using J query, in comparison with JavaScript.

CHAPTER 7

TESTING

The implementation phase of software development is concerned with translating design specification into source code. The preliminary goal of implementation is to write source code and internal documentation so that conformance of the code to its specifications can be easily verified, and so that debugging, testing and modifications are eased. This goal can be achieved by making the source code as clear and straightforward as possible. Simplicity, clarity and elegance are the hallmark of good programs, obscurity, cleverness, and complexity are indications of inadequate design and misdirected thinking. Source code clarity is enhanced by structured coding techniques, by good coding style, by, appropriate supporting documents, by good internal comments, and by feature provided in modern programming languages.

Structure Test

Structure tests are concerned with exercising the internal logic of a program and traversing particular execution paths. Some authors refer collectively to functional performance and stress testing as “black box” testing. While structure testing is referred to as “white box” or “glass box” testing. The major activities in structural testing are deciding which path to exercise.

Validation Testing

Validation testing is the process of ensuring if the tested and developed software satisfies the client /user needs. All the critical functionalities of an application must be tested here.

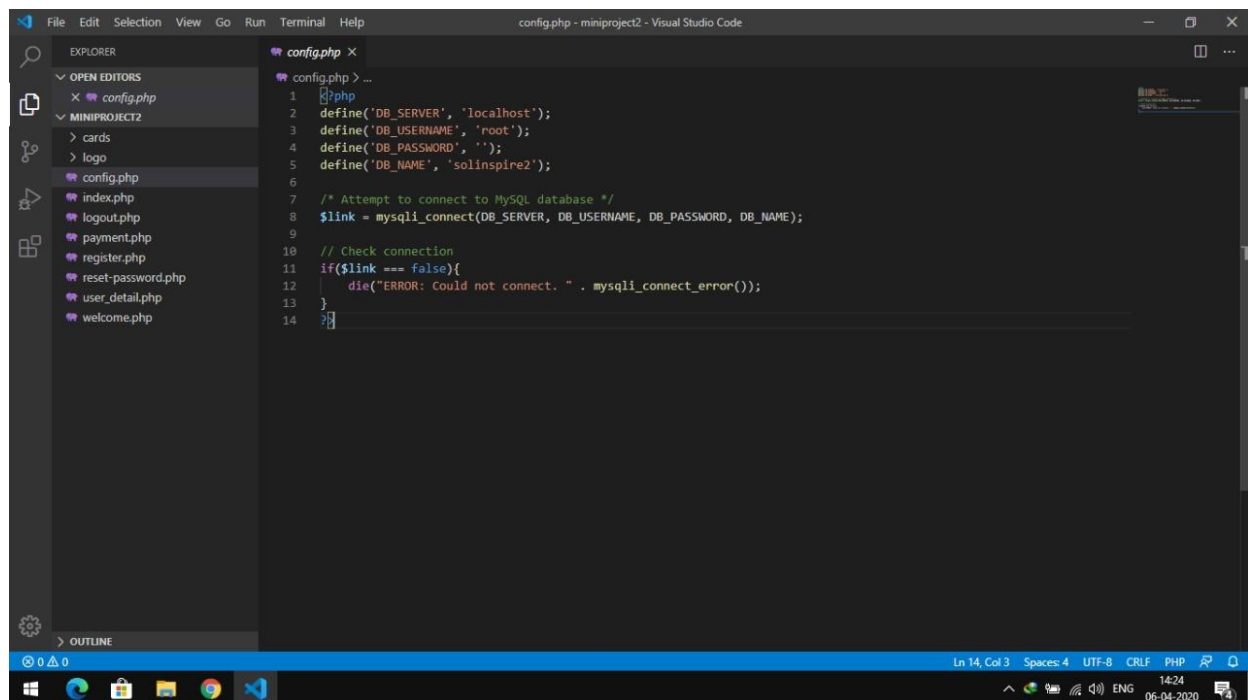
In validation testing we are validate the login form and registration from in contact page and there is payment gateway also. In Registration page , we are validate the password , email ,space(like we enter only spaces it does not take the white space it show please enter the required details). In password validation we test the length of the password and confirm password and password is same. In payment no validation we enter the payment details and make the payment proceedings .

Source code of the validation testing:

Login Module:

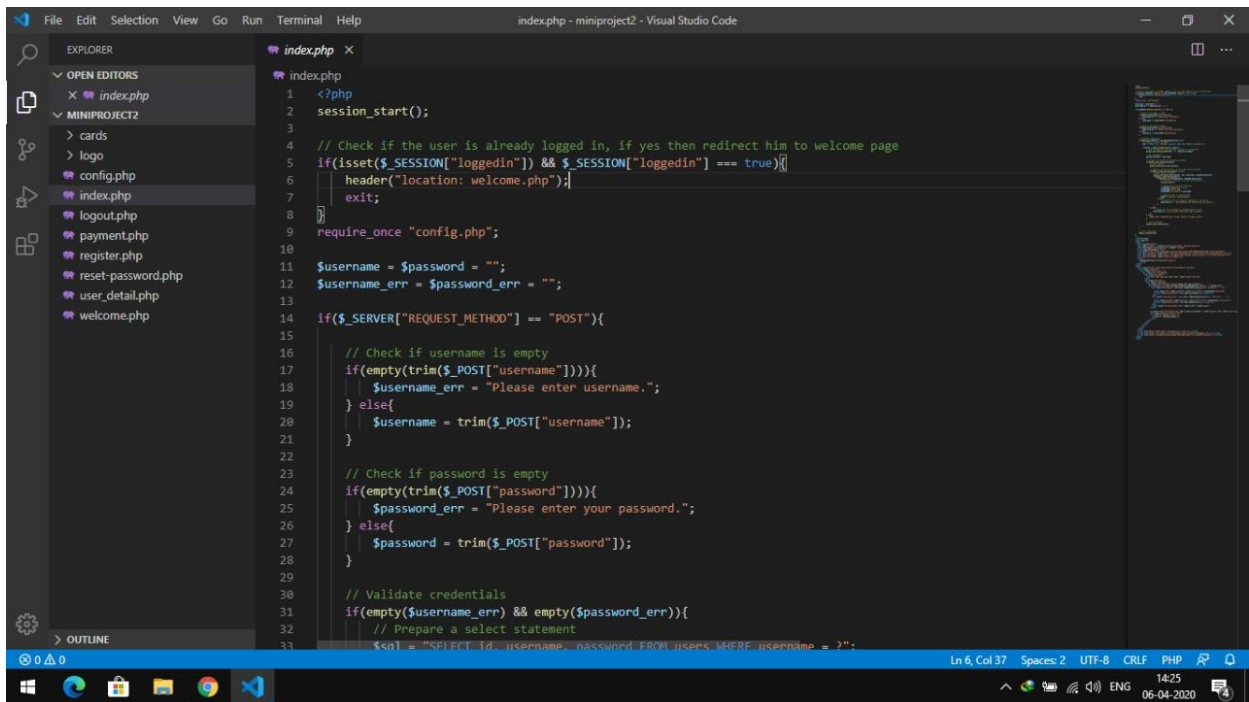
Login Module is used by the client to access the website . login Module contain Email-id and Password through which client can access their account if client have their account. if it does not have their account client can made an account through the registration page.

Source code of login
page :validation.



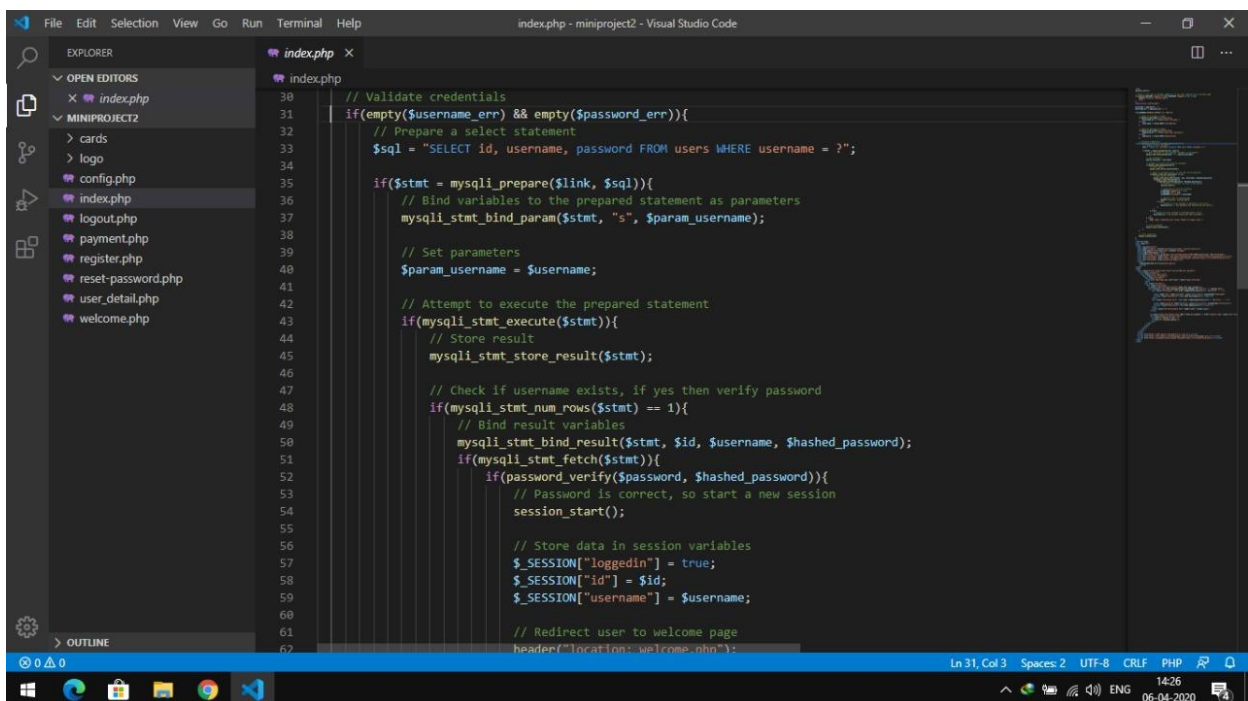
```
1 <?php
2 define('DB_SERVER', 'localhost');
3 define('DB_USERNAME', 'root');
4 define('DB_PASSWORD', '');
5 define('DB_NAME', 'solinspire2');
6
7 /* Attempt to connect to MySQL database */
8 $link = mysqli_connect(DB_SERVER, DB_USERNAME, DB_PASSWORD, DB_NAME);
9
10 // Check connection
11 if($link === false){
12     die("ERROR: Could not connect. " . mysqli_connect_error());
13 }
14
```

Config.php



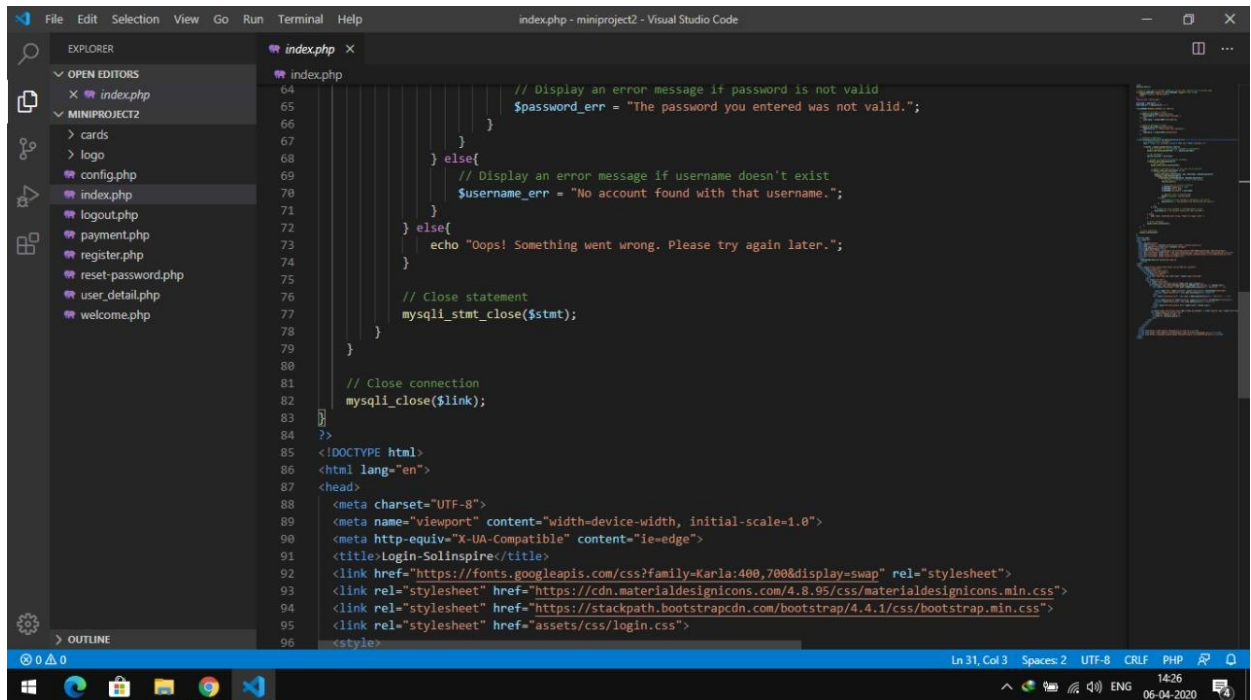
```
1 <?php
2 session_start();
3
4 // Check if the user is already logged in, if yes then redirect him to welcome page
5 if(isset($_SESSION["loggedin"]) && $_SESSION["loggedin"] === true){
6     header("location: welcome.php");
7     exit;
8 }
9
10 require_once "config.php";
11
12 $username = $password = "";
13 $username_err = $password_err = "";
14
15 if($_SERVER["REQUEST_METHOD"] == "POST"){
16
17     // Check if username is empty
18     if(empty(trim($_POST["username"]))){
19         $username_err = "Please enter username.";
20     } else{
21         $username = trim($_POST["username"]);
22     }
23
24     // Check if password is empty
25     if(empty(trim($_POST["password"]))){
26         $password_err = "Please enter your password.";
27     } else{
28         $password = trim($_POST["password"]);
29     }
30
31     // Validate credentials
32     if(empty($username_err) && empty($password_err)){
33         // Prepare a select statement
34         $sql = "SELECT id, username, password FROM users WHERE username = ?";
```

Index.php(1)



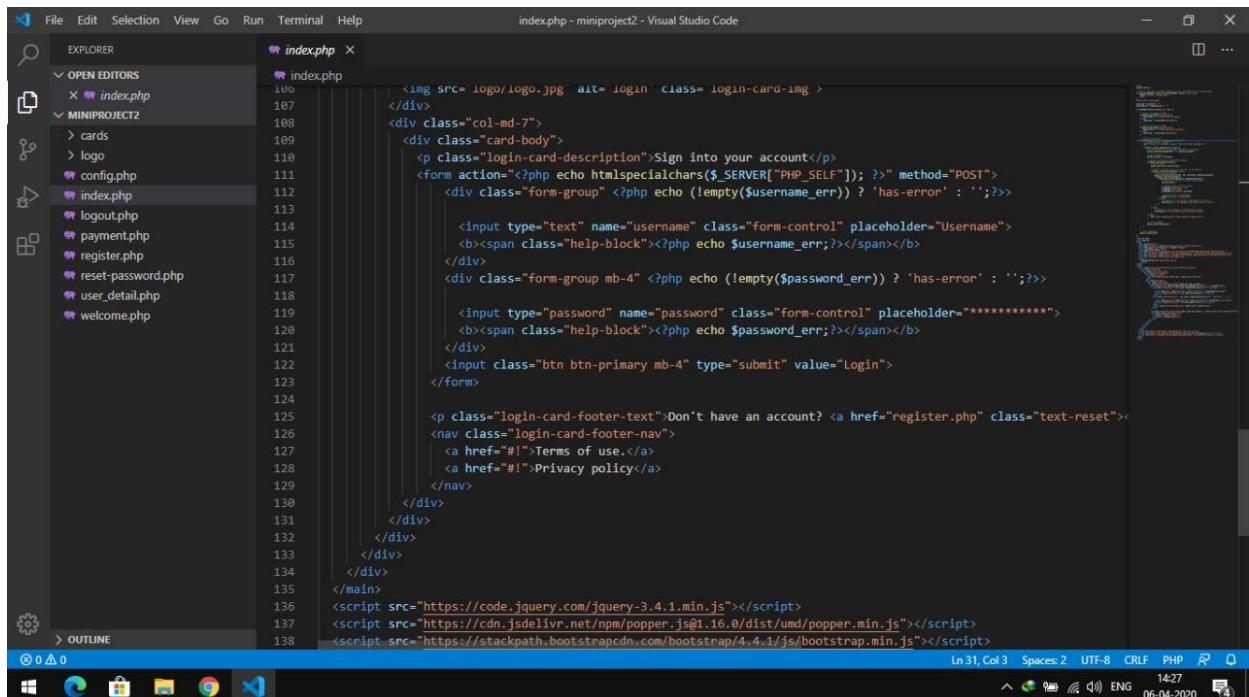
```
30 // Validate credentials
31 if(empty($username_err) && empty($password_err)){
32     // Prepare a select statement
33     $sql = "SELECT id, username, password FROM users WHERE username = ?";
34
35     if($stmt = mysqli_prepare($link, $sql)){
36         // Bind variables to the prepared statement as parameters
37         mysqli_stmt_bind_param($stmt, "s", $param_username);
38
39         // Set parameters
40         $param_username = $username;
41
42         // Attempt to execute the prepared statement
43         if(mysqli_stmt_execute($stmt)){
44             // Store result
45             mysqli_stmt_store_result($stmt);
46
47             // Check if username exists, if yes then verify password
48             if(mysqli_stmt_num_rows($stmt) == 1){
49                 // Bind result variables
50                 mysqli_stmt_bind_result($stmt, $id, $username, $hashed_password);
51                 if(mysqli_stmt_fetch($stmt)){
52                     if(password_verify($password, $hashed_password)){
53                         // Password is correct, so start a new session
54                         session_start();
55
56                         // Store data in session variables
57                         $_SESSION["loggedin"] = true;
58                         $_SESSION["id"] = $id;
59                         $_SESSION["username"] = $username;
60
61                         // Redirect user to welcome page
62                         header("location: welcome.php");
```

Index.php(2)



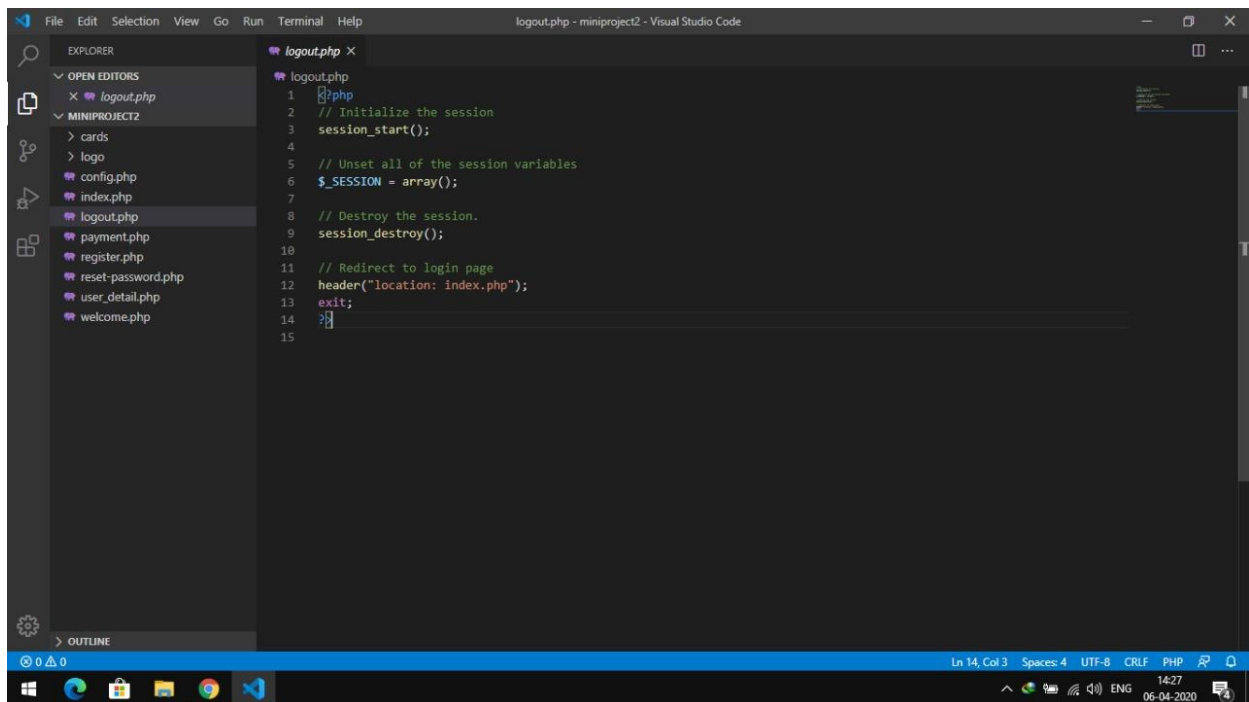
```
64 // Display an error message if password is not valid
65 $password_err = "The password you entered was not valid.";
66 }
67 }
68 } else{
69 // Display an error message if username doesn't exist
70 $username_err = "No account found with that username.";
71 }
72 } else{
73 echo "Oops! Something went wrong. Please try again later.";
74 }
75 }
76 // Close statement
77 mysqli_stmt_close($stmt);
78 }
79 }
80 // Close connection
81 mysqli_close($link);
82 }
83 }
84 }
85 <!DOCTYPE html>
86 <html lang="en">
87 <head>
88 <meta charset="UTF-8">
89 <meta name="viewport" content="width=device-width, initial-scale=1.0">
90 <meta http-equiv="X-UA-Compatible" content="ie=edge">
91 <title>Login-Solinspire</title>
92 <link href="https://fonts.googleapis.com/css?family=Karla:400,700&display=swap" rel="stylesheet">
93 <link rel="stylesheet" href="https://cdn.materialdesignicons.com/4.8.95/css/materialdesignicons.min.css">
94 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css">
95 <link rel="stylesheet" href="assets/css/login.css">
96 <style>
```

Index.php(3)



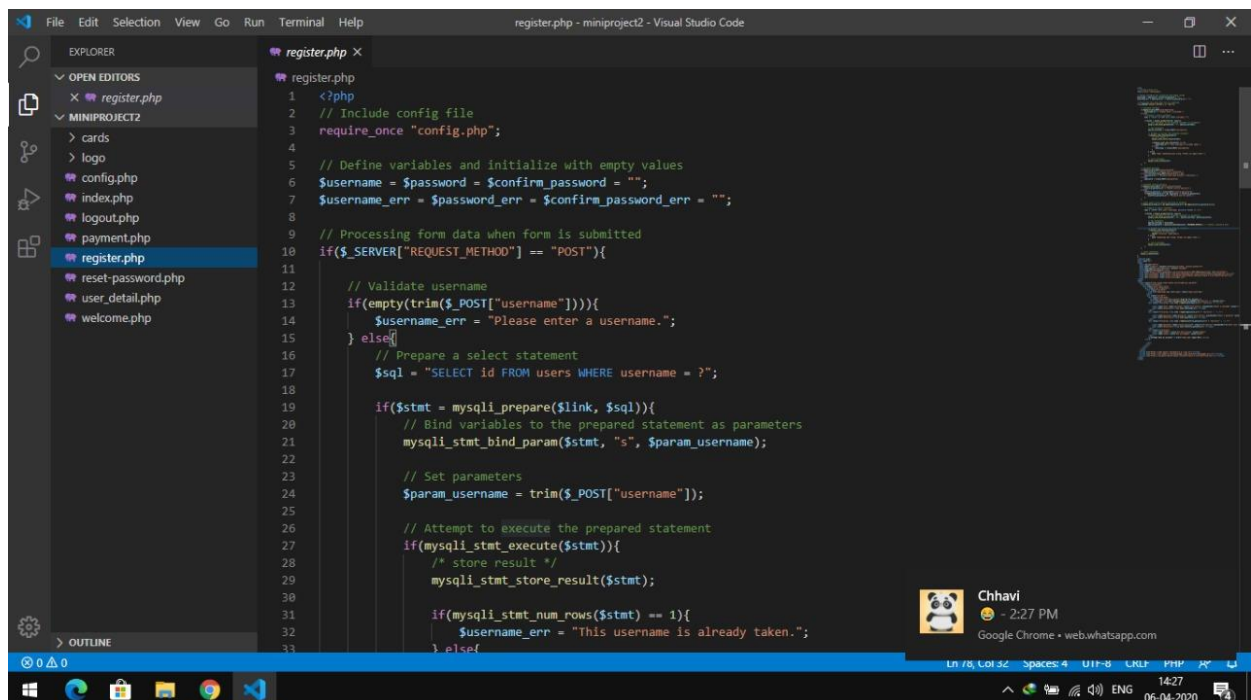
```
106 
107 </div>
108 <div class="col-md-7">
109 <div class="card-body">
110 <p class="login-card-description">Sign into your account</p>
111 <form action="<?php echo htmlspecialchars($SERVER["PHP_SELF"]); ?>" method="POST">
112 <div class="form-group"><?php echo (!empty($username_err)) ? 'has-error' : '';?>
113 <input type="text" name="username" class="form-control" placeholder="Username">
114 <div class="help-block"><?php echo $username_err;?></div>
115 <div class="form-group mb-4"><?php echo (!empty($password_err)) ? 'has-error' : '';?>
116 <input type="password" name="password" class="form-control" placeholder="*****">
117 <div class="help-block"><?php echo $password_err;?></div>
118 <input class="btn btn-primary mb-4" type="submit" value="Login">
119 </form>
120 <p class="login-card-footer-text">Don't have an account? <a href="register.php" class="text-reset">
121 <nav class="login-card-footer-nav">
122 <a href="#">Terms of use,</a>
123 <a href="#">Privacy policy,</a>
124 </nav>
125 </div>
126 </div>
127 </div>
128 </div>
129 </div>
130 </div>
131 </div>
132 </div>
133 </div>
134 </div>
135 </main>
136 <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
137 <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
138 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"></script>
```

Index.php(4)



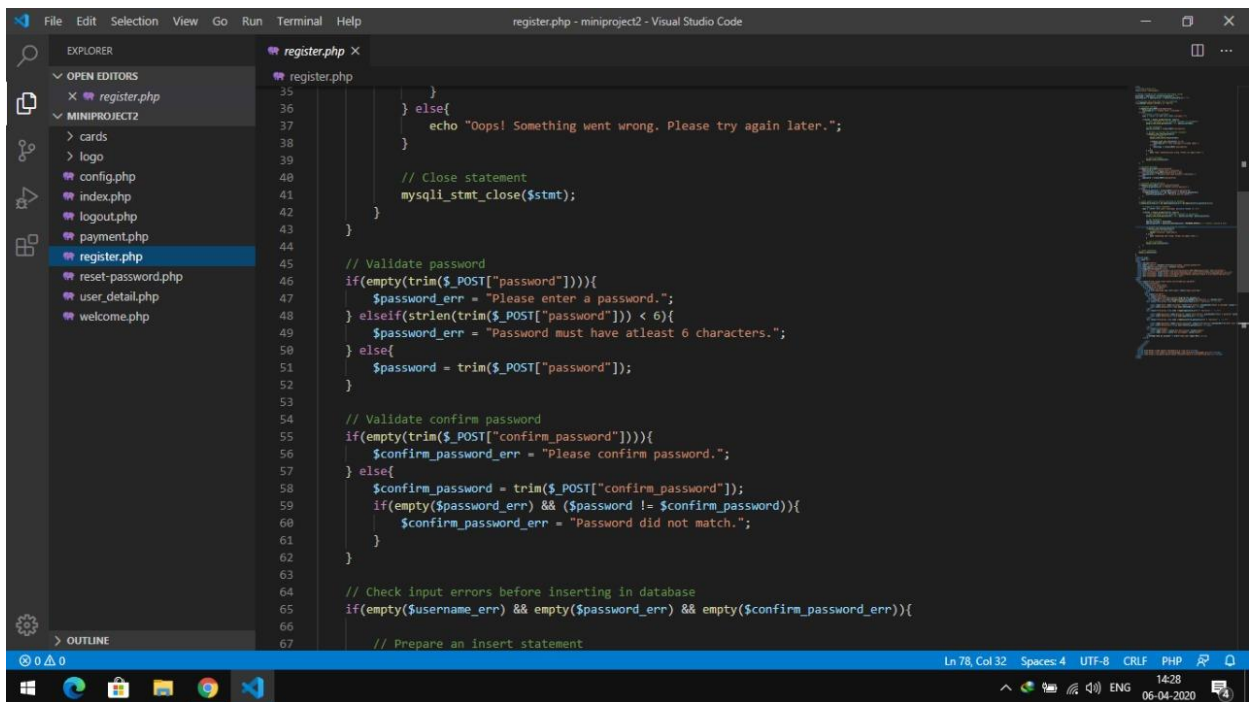
```
1 <?php
2 // Initialize the session
3 session_start();
4
5 // Unset all of the session variables
6 $_SESSION = array();
7
8 // Destroy the session.
9 session_destroy();
10
11 // Redirect to login page
12 header("location: index.php");
13 exit;
14
15
```

Logout.php



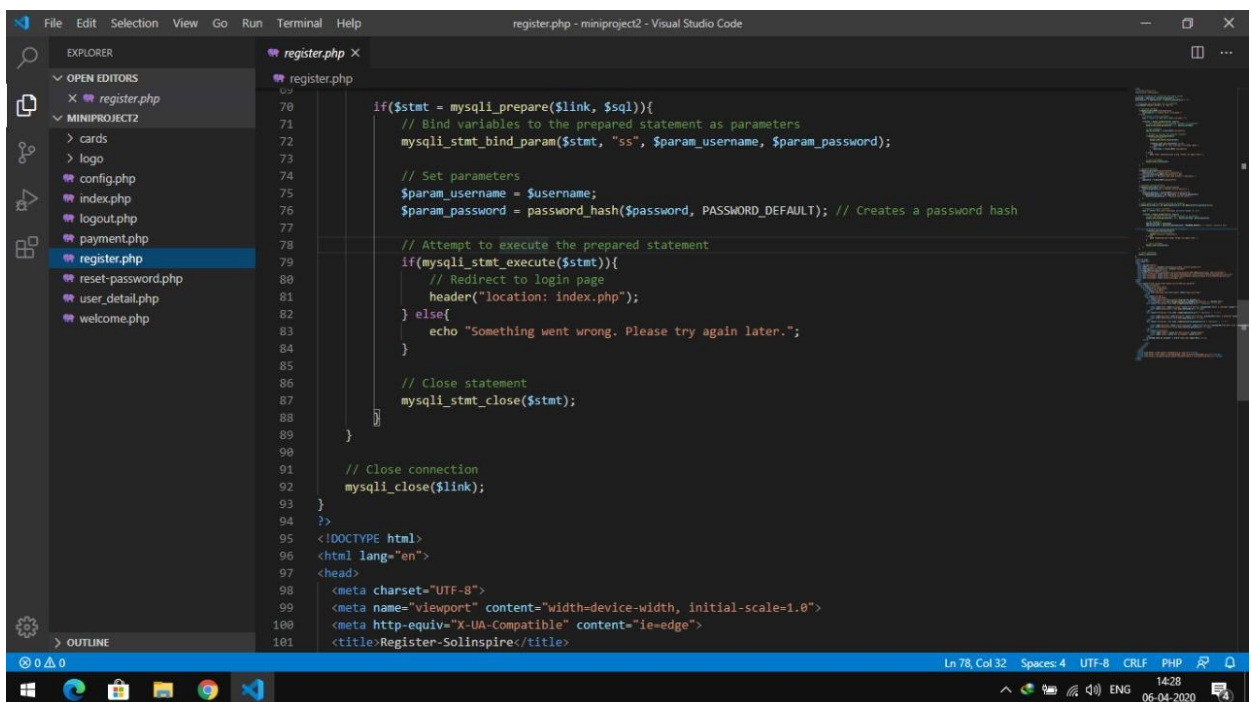
```
1 <?php
2 // Include config file
3 require_once "config.php";
4
5 // Define variables and initialize with empty values
6 $username = $password = $confirm_password = "";
7 $username_err = $password_err = $confirm_password_err = "";
8
9 // Processing form data when form is submitted
10 if($_SERVER["REQUEST_METHOD"] == "POST"){
11
12     // Validate username
13     if(empty(trim($_POST["username"]))){
14         $username_err = "Please enter a username.";
15     } else{
16         // Prepare a select statement
17         $sql = "SELECT id FROM users WHERE username = ?";
18
19         if($stmt = mysqli_prepare($link, $sql)){
20             // Bind variables to the prepared statement as parameters
21             mysqli_stmt_bind_param($stmt, "s", $param_username);
22
23             // Set parameters
24             $param_username = trim($_POST["username"]);
25
26             // Attempt to execute the prepared statement
27             if(mysqli_stmt_execute($stmt)){
28                 /* store result */
29                 mysqli_stmt_store_result($stmt);
30
31                 if(mysqli_stmt_num_rows($stmt) == 1){
32                     $username_err = "This username is already taken.";
33                 } else{
34
35
```

Register.php(1)



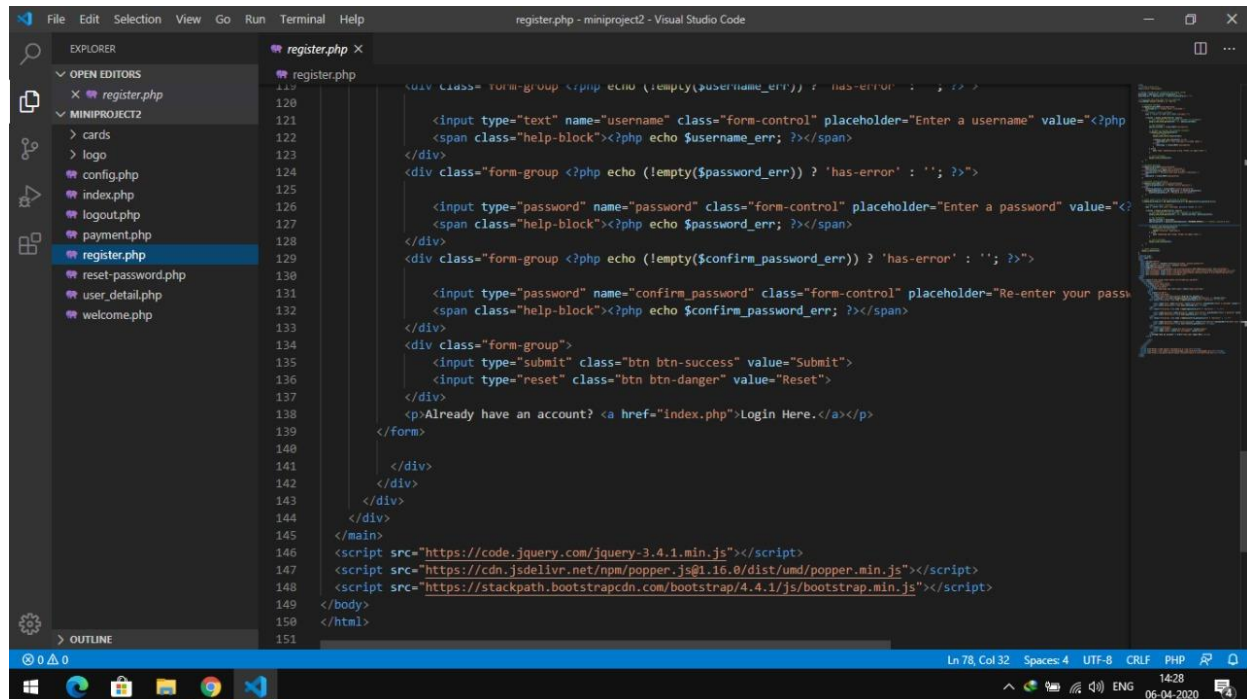
```
35 }
36 } else{
37     echo "Oops! Something went wrong. Please try again later.";
38 }
39
40 // Close statement
41 mysqli_stmt_close($stmt);
42 }
43
44 // Validate password
45 if(empty(trim($_POST["password"]))){
46     $password_err = "Please enter a password.";
47 } elseif(strlen(trim($_POST["password"])) < 6){
48     $password_err = "Password must have atleast 6 characters.";
49 } else{
50     $password = trim($_POST["password"]);
51 }
52
53 // Validate confirm password
54 if(empty(trim($_POST["confirm_password"]))){
55     $confirm_password_err = "Please confirm password.";
56 } else{
57     $confirm_password = trim($_POST["confirm_password"]);
58     if(empty($password_err) && ($password != $confirm_password)){
59         $confirm_password_err = "Password did not match.";
60     }
61 }
62
63 // Check input errors before inserting in database
64 if(empty($username_err) && empty($password_err) && empty($confirm_password_err)){
65     // Prepare an insert statement
```

Register.php(2)



```
69 if($stmt = mysqli_prepare($link, $sql)){
70     // Bind variables to the prepared statement as parameters
71     mysqli_stmt_bind_param($stmt, "ss", $param_username, $param_password);
72
73     // Set parameters
74     $param_username = $username;
75     $param_password = password_hash($password, PASSWORD_DEFAULT); // Creates a password hash
76
77     // Attempt to execute the prepared statement
78     if(mysqli_stmt_execute($stmt)){
79         // Redirect to login page
80         header("location: index.php");
81     } else{
82         echo "Something went wrong. Please try again later.";
83     }
84
85     // Close statement
86     mysqli_stmt_close($stmt);
87 }
88
89 // Close connection
90 mysqli_close($link);
91
92 }
93
94 >>
95 <!DOCTYPE html>
96 <html lang="en">
97 <head>
98     <meta charset="UTF-8">
99     <meta name="viewport" content="width=device-width, initial-scale=1.0">
100     <meta http-equiv="X-UA-Compatible" content="ie=edge">
101     <title>Register-Solinspire</title>
```

Register.php(3)



```
119 <div class="form-group" <?php echo (!empty($username_err)) ? 'has-error' : '' ;>
120
121 <input type="text" name="username" class="form-control" placeholder="Enter a username" value="<?php
122 <span class="help-block"><?php echo $username_err; ?></span>
123 </div>
124 <div class="form-group" <?php echo (!empty($password_err)) ? 'has-error' : '' ;>
125
126 <input type="password" name="password" class="form-control" placeholder="Enter a password" value="<?
127 <span class="help-block"><?php echo $password_err; ?></span>
128 </div>
129 <div class="form-group" <?php echo (!empty($confirm_password_err)) ? 'has-error' : '' ;>
130
131 <input type="password" name="confirm_password" class="form-control" placeholder="Re-enter your pass
132 <span class="help-block"><?php echo $confirm_password_err; ?></span>
133 </div>
134 <div class="form-group">
135 <input type="submit" class="btn btn-success" value="Submit">
136 <input type="reset" class="btn btn-danger" value="Reset">
137 </div>
138 <p>Already have an account? <a href="index.php">Login Here.</a></p>
139 </form>
140
141 </div>
142 </div>
143 </div>
144 </div>
145 </main>
146 <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
147 <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
148 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"></script>
149 </body>
150 </html>
151
```

Register.php(4)

Payment Module:

Payment module is used by the client ,when client will have not their account to access the website. Payment page contain

Card Holder Name , card number , expiry date, cvv through which client would made their payment ,and access the facility to have meal in their favourite restaurant. Payment module have validation (card holder's name validation, CVV validation, expiry date validation, card number validation). Source code of validation in Payment page:

Chapter 8

Conclusion

Future Evaluation

In this project we cover almost all the process which was wrote in our synopsis but The bandwidth graph is still static, it will be dynamic and whatever validation was put in it, that validation is not happening in popup form, then we will do it further. We did not have enough time to be able to show Popup messages in our website by using the technology of JavaScript. In the future, we will use JavaScript technology to make it pop up, so that we will be able to show, such Popup messages on our website.

Chapter 9

References

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- ❖ "Using PHP from the command line". *PHP Manual*. The PHP Group. Retrieved 2009-09-11.