

MINI PROJECT - I

(2020-21)

GET TOP-3

MID-TERM REPORT



Institute of Engineering & Technology

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Abstract

The purpose of GET TOP-3 is to allow users to give their constraints and get best suggestions for the products which they are looking for. The suggestions are given on the basis of price, specifications and customer reviews. Results will be displayed within a few mouse clicks which ultimately save the user's precious time. GET TOP-3 basically aims to clear all the user's confusion by providing the best 3 products according to the user's need. Users can contact our member for any query or detailed information about any product. Products will be listed on our web application after a good research on the listed products.

Introduction

1.1 General Introduction to the topic

This project aims at developing a website that depicts the online selection of various electronic gadgets like smart watches , smart phones, laptops etc.

Using this website, people can minimize their tasks hence saving their time. This web application provides aid to people from around the country for all their gadget needs.

It is mainly a web interface for users who are looking for the best product according to their relevance. People can provide custom constraints and get the top 3 recommendations.

1.2 Hardware Requirements

- A computer with basic specifications.
- RAM: 2 GB and above.
- Processor: intel dual core and above.

1.2 Software Requirements

- Visual Studio Code
- PhpStorm
- Apache Netbeans

1.3 Technologies Used

- HTML
- CSS
- BOOTSTRAP
- JAVASCRIPT
- PHP
- SQL

1.4 Modules

- **Login:** This module is for the users who already have their account. The fields in login are username and password. If the username and password are correct then it is directed to the next page.
- **New user:** This module is for the users who do not have their account. Here user is allowed to create an account to login. The account creation is done by filling the registration form with user details such as name, phone, email etc.

- **Product:** This module has information regarding the mobiles such as its name, model, color, price information, its features etc. The USER can view the Mobile, add to cart etc.
- **Search:** This module helps the customer to ease his search based on his budget or interest. The search can be done on different categories like mobile model name, model number, colour, price etc
- **Cart:** Users can select any number of Mobile and add to the cart. He can also remove it from the cart if he dislikes it later.

Objectives

This website helps the customer to find different gadgets, their features, and new updates quickly. It is designed in such a way that one can view all the updates from any place through online and can save them for later reference. It will provide a quick and easy comparison of different products for the customers.

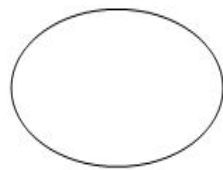
Implementation Details

Data Flow Diagram

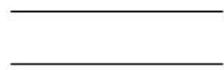
A Data Flow Diagram (DFD) is a graphical representation of the "flow" of data through an Information System. A data flow diagram can also be used for the visualization of Data Processing. It is common practice for a designer to draw a context-level DFD first which shows the interaction between the system and

outside entities. This context-level DFD is then "exploded" to show more detail of the system being modeled.

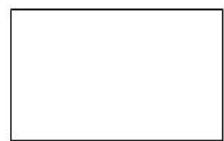
Data Flow Diagram Notation



Function



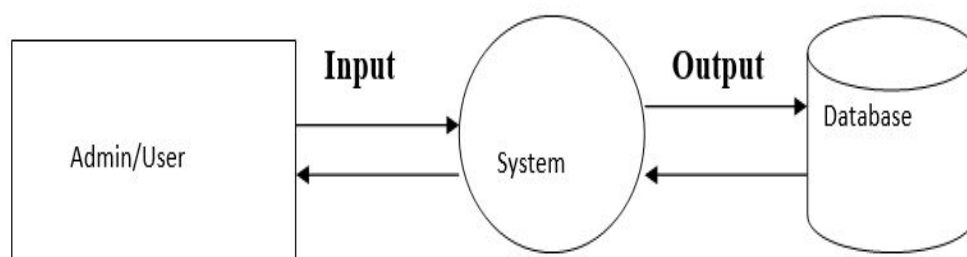
File/Database

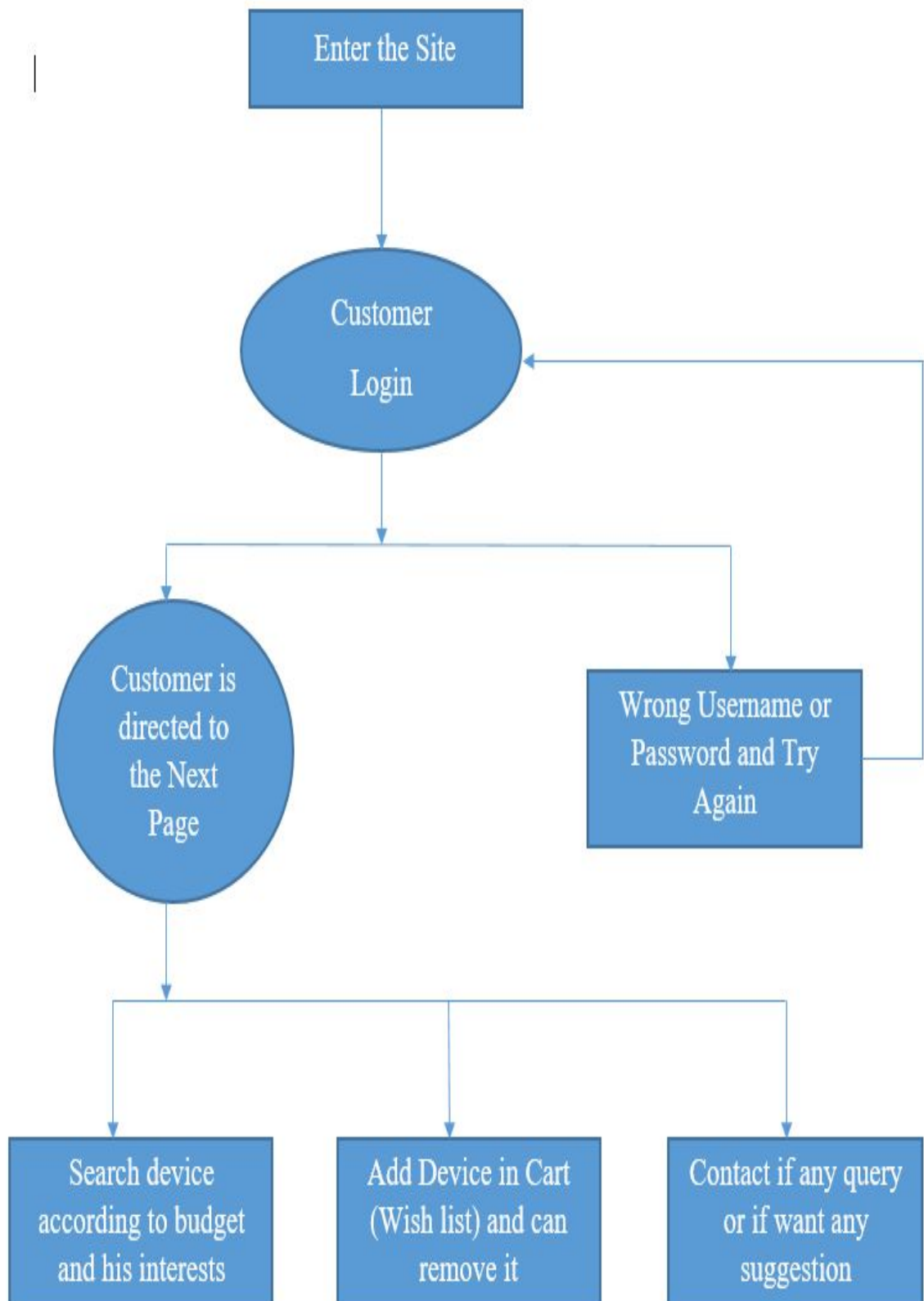


Input/output



Flow





Progress

1.) Part 1 is completed

Design interface for users to interact with our web application.

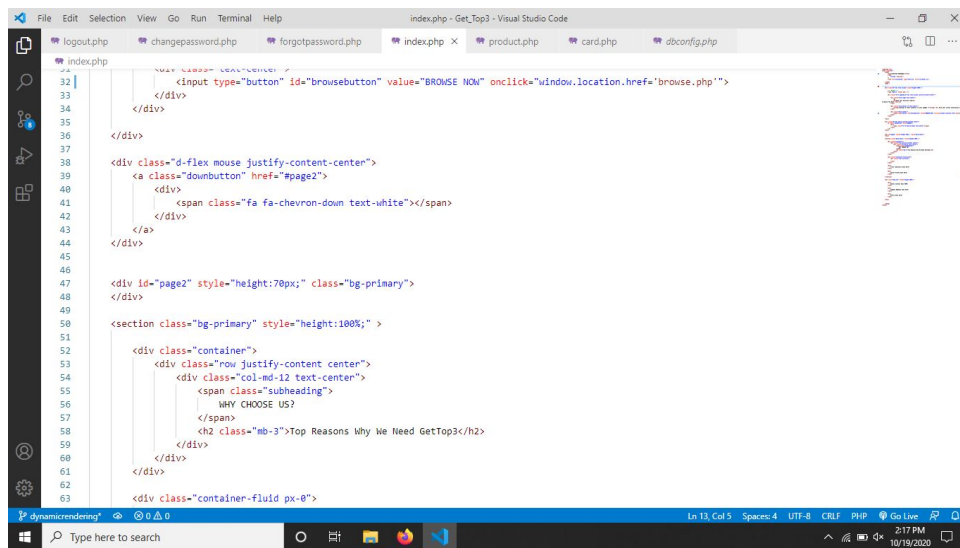
- Create the homepage
- Create and design navigation bar
- Create register page
- Create login page with forgot password page
- Create user database
- Provide backend to register page and login page
- Create profile page
- Create change password page
- Provide logout mechanism

2.) Part 2 is incomplete

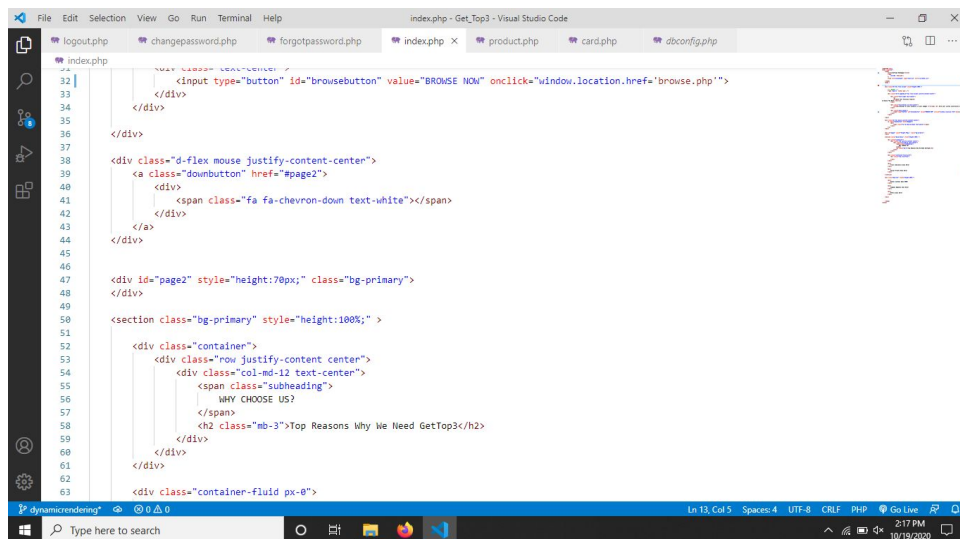
Give soul to the web application i.e., mechanism to get top results

- Create request suggestion page
- Create product database
- Create comparison page
- Finalize homepage
- Create contact us page
- Create about our team page
- Provide searching, sorting and retrieving mechanism

Screenshots

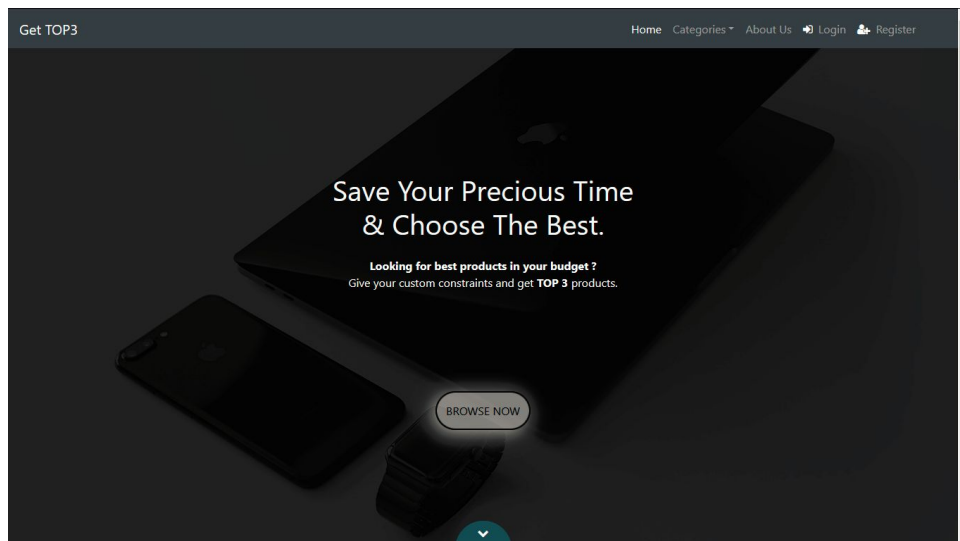


```
32 | <input type="button" id="browsebutton" value="BROWSE NOW" onclick="window.location.href='browse.php'"
33 | </div>
34 | </div>
35 |
36 | </div>
37 |
38 | <div class="d-flex mouse justify-content-center">
39 |   <a class="dowbutton" href="#page2">
40 |     <div>
41 |       <span class="fa fa-chevron-down text-white"></span>
42 |     </div>
43 |   </a>
44 | </div>
45 |
46 | <div id="page2" style="height:70px;" class="bg-primary">
47 | </div>
48 |
49 | <section class="bg-primary" style="height:100%;" >
50 |
51 |   <div class="container">
52 |     <div class="row justify-content center">
53 |       <div class="col-md-12 text-center">
54 |         <span class="subheading">
55 |           WHY CHOOSE US?
56 |         </span>
57 |       </div>
58 |       <h2 class="mb-3">Top Reasons Why We Need GetTop3</h2>
59 |     </div>
60 |   </div>
61 |
62 | <div class="container-fluid px-0">
63 |
```



```
32 | <input type="button" id="browsebutton" value="BROWSE NOW" onclick="window.location.href='browse.php'"
33 | </div>
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47 | </div>
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56 |         </span>
57 |       </div>
58 |       <h2 class="mb-3">Top Reasons Why We Need GetTop3</h2>
59 |     </div>
60 |   </div>
61 |
62 | <div class="container-fluid px-0">
63 |
```

Index.php



OUTPUT (Index/Home Page)

```

1 <nav class="navbar navbar-dark navbar-expand-sm bg-dark fixed-top">
2 <a class="navbar-brand" href="index.php">Get TOP3</a>
3 <div class="container" id="navbarContainer">
4
5 <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarToggle" aria-controls="navbarToggle" aria-expanded="false"
6 <span class="navbar-toggler-icon"></span>
7 </button>
8
9 <div class="collapse navbar-collapse px-1 mx-2" id="navbarToggle">
10 <ul class="navbar-nav ml-auto">
11 <li class="nav-item">
12 <a class="nav-link active" href="loginpage.php">Home <span class="sr-only">(current)</span></a>
13 </li>
14 <li class="nav-item dropdown">
15 <a class="nav-link dropdown-toggle" href="#" id="navbardrop" data-toggle="dropdown">Categories</a>
16 <div class="dropdown-menu">
17 <a class="dropdown-item" href="#">Smart Phones</a>
18 <a class="dropdown-item" href="#">Laptops</a>
19 <a class="dropdown-item" href="#">Headphones</a>
20 </div>
21 </li>
22 <li class="nav-item">
23 <a class="nav-link" href="#">About Us</a>
24 </li>
25
26
27
28
29 <?php
30 if(isset($_SESSION["email"]))
31 {
32
33
34
35
36
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```

```

35 <a class="nav-link" href="loginpage.php">
36 <span><i class="fa fa-sign-in fa-10x mr-2" aria-hidden="true" style="color:white"></i>Login</span>
37 </a>
38 </li>
39
40 <li class="nav-item" style="margin-right: -30px">
41 <a class="nav-link" href="registerpage.php">
42 <span><i class="fa fa-user-plus fa-10x mr-2" aria-hidden="true" style="color:white"></i>Register</span>
43 </a>
44 </li>
45 <?php
46 {
47 }
48 <?php
49 if(isset($_SESSION["email"]))
50 {
51
52
53 <li class="nav-item">
54 <a class="nav-link" href="logout.php">
55 <span><i class="fa fa-sign-in fa-10x mr-2" aria-hidden="true" style="color:white"></i>Log Out</span>
56 </a>
57 </li>
58 <?php
59 {
60 }
61 </div>
62 </div>
63 </div>
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```

Navbar.php



OUTPUT (Navbar)

```
1 <meta charset="utf-8">
2
3 <meta name="viewport" content="width=device-width, initial-scale=1">
4
5 <link rel="stylesheet" type="text/css" href="css/navban.css">
6 <link rel="stylesheet" type="text/css" href="css/form.css">
7
8 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
9
10
11 <script src="https://use.fontawesome.com/add0ed0dc.js"></script>
12
13 <!-- Latest compiled and minified CSS -->
14 <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">
15
16 <!-- jQuery library -->
17 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
18
19 <!-- Popper JS -->
20 <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
21
22 <!-- Latest compiled JavaScript -->
23 <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"></script>
24
25 <script src="js/toggelpassword.js"></script>
26
27 <script src="js/effects.js"></script>
```

head.php

```
32 <!-- Login Form -->
33 <div class="h-100 d-flex bg-white justify-content-center align-items-center col-md-12 col-lg-4">
34 <div style="width: 360px;">
35
36 <div class="card mt-5 forms">
37 <div class="h2 card-header modal-title text-center">
38
39 <div>Welcome back,</div>
40 <h5>
41 <span class="text-muted">Sign in to you account below.</span>
42 </h5>
43 </div>
44 <div class="card-body">
45 <div>
46 <?php require 'loginform.php'; ?>
47 </div>
48 </div>
49 <div class="mt-3 text-center text-muted">
50 © 2020 Copyright GetTop3
51 </div>
52 </div>
53 </div>
54 </div>
55 </div>
56 </div>
57 </div>
58 </div>
59 </div>
60 </div>
61 </body>
62 </html>
```

loginpage.php

```
1 <form action="login.php" method="POST">
2 <div class="mb-4 text-center text-danger" id="invalidCredential">
3 <?php
4 if(isset($_GET['email_error']))
5 {
6 echo '<h5>Invalid Password !</h5>';
7 }
8 }
9 </div>
10 <div class="input-group mb-3">
11 <div class="input-group-prepend">
12 <span class="input-group-text bg-secondary"><i class="fa fa-user fa-lg mr-2" aria-hidden="true" style="color:white"></i></span>
13 </div>
14 <input type="text" name="email" class="form-control" placeholder="User Email Here. . ." required/>
15 </div>
16 <div class="input-group mb-3">
17 <div class="input-group-prepend">
18 <span class="input-group-text bg-secondary"><i class="fa fa-lock fa-lg mr-2" aria-hidden="true" style="color:white"></i></span>
19 </div>
20 <input type="password" name="password" class="form-control" placeholder="User Password Here. . ." required/>
21 </div>
22 <div class="d-flex justify-content-end">
23 <a href="forgotpassword.php">Forgot Password ?</a>
24 </div>
25 </div>
26 <div>
27 <input name="submit" type="submit" value="LOGIN" style="border-radius: 16px;" class="btn btn-outline-info btn-block my-4">
28 </div>
29 <div class="d-flex justify-content-center">
30 <span>Not a member ? <a class="btn-link ml-2" href="registerpage.php">Register</a></span>
31 </div>
32 </form>
```

Loginform.php



OUTPUT (Login Page)

```

login.php
1 <?php
2 session_start();
3
4 if(isset($_POST['submit']))
5 {
6     $_SESSION['loggedin'] = false;
7     $email = trim($_POST['email']);
8     $password = $_POST['password'];
9
10    require "dbconfig.php";
11
12    $stmt = $connect->prepare("SELECT * FROM registration WHERE email = ?");
13    $stmt->bind_param('s', $email);
14    $stmt->execute();
15    $result = $stmt->get_result();
16    $user = $result->fetch_object();
17
18    if($user)
19    {
20        if( $password==($user->password))
21        {
22            $_SESSION['loggedin'] = true;
23            $_SESSION['email'] = $email;
24            header('Location: profile.php');
25        }
26        else
27        {
28            $stmt->close();
29            header('Location: loginpage.php?email_error=Incorrect Password');
30        }
31    }
32
33

```

login.php

```

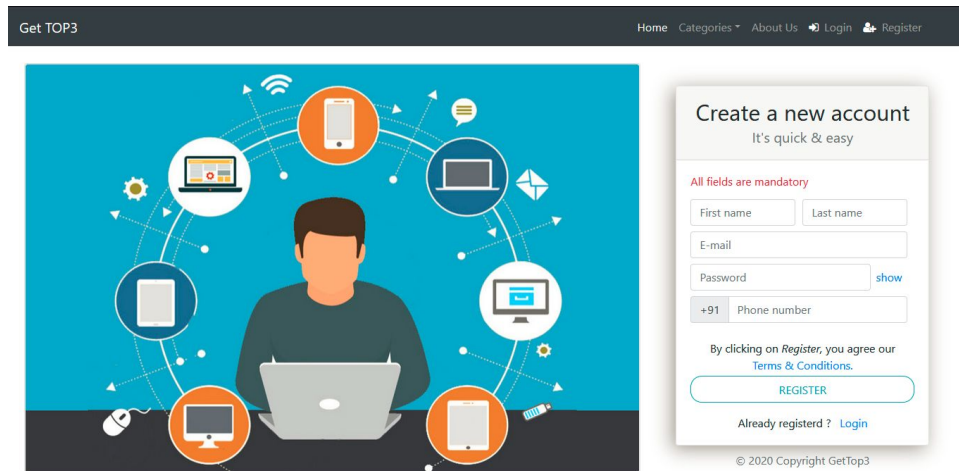
registerpage.php
1 <?php
2 include('login.php');
3 if(isset($_SESSION['email']))
4 {
5     header("location: profile.php");
6 }
7
8
9
10 <!DOCTYPE html>
11 <html lang="en">
12 <head>
13 <?php
14     include 'head.php';
15 </?php>
16 </head>
17 <body>
18
19 <!-- Navabar -->
20 <?php require 'navbar.php'; ?>
21
22 <div class="container-fluid mt-5">
23
24     <div class="d-flex">
25         <div class="d-none d-lg-block col-lg-8 p-2 flex-grow-1 text-center my-auto">
26             <div class="card mt-4">
27                 
28             </div>
29
30             <!-- Login Form -->
31             <div class="d-flex justify-content-center align-items-center col-md-12 col-lg-4">
32                 <div class="card">
33                     <div class="card-body">
34                         <h3>Login</h3>
35                         <form>
36                             <div class="form-group">
37                                 <input type="text" class="form-control" value="Email Address"/>
38                             </div>
39                             <div class="form-group">
40                                 <input type="password" class="form-control" value="Password"/>
41                             </div>
42                             <div class="form-group">
43                                 <input type="submit" value="Login"/>
44                             </div>
45                         </form>
46                     </div>
47                 </div>
48             </div>
49         </div>
50     </div>
51
52 </body>
53 </html>

```

registerpage.php

```
File Edit Selection View Go Run Terminal Help
registerform.php - Get_Top3 - Visual Studio Code

registerform.php
1 <form action="register.php" method="POST">
2
3 <div class="mb-3 text-danger" id="invalidCredential">
4 <div class="col">
5 <div class="form-row input-group mb-2">
6 <input type="text" name="name" class="form-control" pattern="[a-zA-Z]+" oninvalid="setCustomValidity('Please use alphabets only')>
7 </div>
8 </div>
9 <div class="form-row input-group mb-2">
10 <input type="email" name="email" class="form-control" placeholder="E-mail " required />
11 </div>
12 <div class="form-row input-group mb-2">
13 <input type="password" name="password" class="form-control" pattern="^(?=.*[a-zA-Z])(?=.*[0-9])(?=.*[!@#$%^&*~`{|}~']).{8,}$" placeholder="Password " required />
14 </div>
15 <div class="form-row input-group">
16 <div class="input-group-prepend">
17 <span class="input-group-text">+91</span>
18 <input type="text" name="phoneno" class="form-control" pattern="[0-9]{10}" required />
19 </div>
20 </div>
21 <div class="form-row">
22 <input type="submit" value="Register" class="btn btn-primary" />
23 </div>
24 </form>
25
26
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31
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OUTPUT (Register Page)

```

1 <div>
2   <div style="width: 360px;">
3     <div class="card mt-5 forms">
4       <div class="h2 card-header modal-title text-center">
5         <div></div>
6         <h5>
7           <span class="text-muted"><?php echo "ID : ".$user->id; ?></span>
8         </h5>
9       </div>
10      <div class="card-body">
11        <?php
12          echo "NAME : ".$user->firstname." ".$user->lastname."<br>";
13          echo "E-mail : ".$user->email."<br>";
14          echo "Phone NO. : ".$user->phoneno;
15        </?php>
16      </div>
17    </div>
18  </div>
19 </div>

```

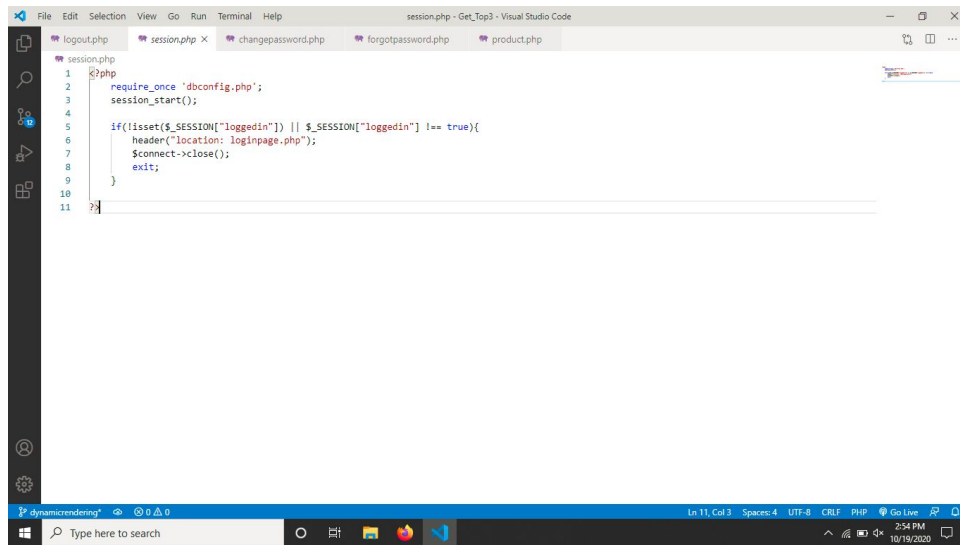
card.php

```

1 <?php
2 define('DB_SERVER', 'localhost');
3 define('DB_USERNAME', 'root');
4 define('DB_PASSWORD', '');
5 define('DB_NAME', 'gettop3');
6 define('DB_PORT', '3308');
7
8 /* Attempt to connect to MySQL database */
9 $connect = mysqli_connect(DB_SERVER, DB_USERNAME, DB_PASSWORD, DB_NAME ,DB_PORT);
10
11 // Check connection
12 if($connect === false){
13   die("ERROR: Could not connect to database. " . mysqli_connect_error());
14 }
15

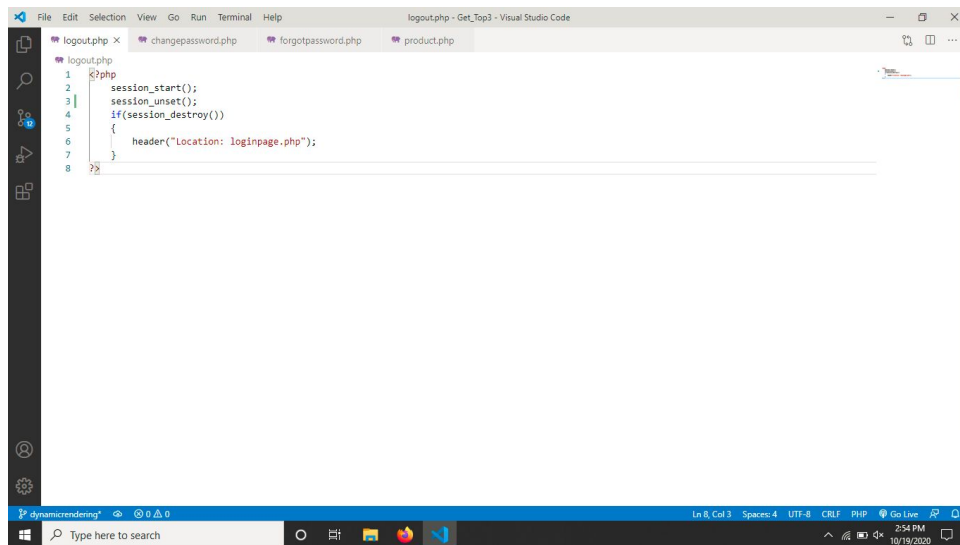
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dbconfig.php



```
1 <?php
2 require_once 'dbconfig.php';
3 session_start();
4
5 if(!isset($_SESSION["loggedin"]) || $_SESSION["loggedin"] !== true){
6     header("location: loginpage.php");
7     $connect->close();
8     exit;
9 }
10
11
```

session.php



```
1 <?php
2 session_start();
3
4 if(session_destroy()){
5     {
6         header("Location: loginpage.php");
7     }
8 }
```

Logout.php

```
File Edit Selection View Go Run Terminal Help forgotpassword.php - Get_Top3 - Visual Studio Code
forgotpassword.php
1 <?php
2
3 require_once('dbconfig.php');
4
5 if(isset($_POST['submit']))
6 {
7     $email = $_POST['email'];
8     $stmt = $connect->prepare("SELECT * FROM registration WHERE email = ?");
9     $stmt->bind_param('s', $email);
10    $stmt->execute();
11    $result = $stmt->get_result();
12    $user = $result->fetch_object();
13
14    if($user)
15    {
16        $password = $user->password;
17        $to = $user->email;
18        $subject = "GetTop3 : Your Recovered Password";
19
20        $message = "Please use this password to login ". $password;
21        $headers = "From : help.gettop3@gmail.com";
22        if(mail($to, $subject, $message, $headers)){
23            echo "Your Password has been sent to your email id";
24            sleep(3);
25            header('Location: loginpage.php');
26        }
27        else
28            echo "Failed to Recover your password, try again";
29    }
30    else
31    {
32        echo "User name does not exist in database";
33    }
34 }
```

```
File Edit Selection View Go Run Terminal Help forgotpassword.php - Get_Top3 - Visual Studio Code
forgotpassword.php
27
28     echo "Failed to Recover your password, try again";
29 }
30
31 else
32 {
33     echo "User name does not exist in database";
34 }
35
36
37
38 }>
39
40
41 <!DOCTYPE html>
42 <html>
43 <head>
44 <meta charset="utf-8">
45
46 <meta name="viewport" content="width=device-width, initial-scale=1">
47
48
49 <title>GetTop3 Homepage</title>
50
51 <link rel="stylesheet" type="text/css" href="css/navbar.css">
52
53 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
54
55
56 <script src="https://use.fontawesome.com/add0ed00dc.js"></script>
57
58 <link rel="stylesheet" type="text/css" href="css/loginSignup.css">
```

```
File Edit Selection View Go Run Terminal Help forgotpassword.php - Get_Top3 - Visual Studio Code
forgotpassword.php
57
58 <link rel="stylesheet" type="text/css" href="css/loginSignup.css">
59
60 <!-- Latest compiled and minified CSS -->
61 <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">
62
63 <!-- jQuery library -->
64 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
65
66 <!-- Popper JS -->
67 <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
68
69 <!-- Latest compiled JavaScript -->
70 <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"></script>
71 <script src="togglepassword.js"></script>
72
73
74 </head>
75 <body>
76 <div style="width:100vh; height:100vh;" class="d-flex justify-content-center align-items-center">
77 <div class="card p-4">
78
79 <form action="" method="POST">
80
81 <div class="mb-4 text-center text-danger">
82
83 </div>
84
85 <div class="form-row input-group mb-2">
86 <div class="col">
87 <input type="email" name="email" class="form-control" placeholder="E-mail here . . ." required />
88 </div>
```



```
File Edit Selection View Go Run Terminal Help forgotpassword.php - Get_Top3 - Visual Studio Code
forgotpassword.php X card.php X product.php X
forgotpassword.php
70 <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"></script>
71
72 <script src="togglepassword.js"></script>
73
74 </head>
75 <body>
76 <div style="width:100vh; height:100vh; text-align:center align-items-center">
77 <div class="card p-4">
78
79 <form action="" method="POST">
80
81 <div class="mb-4 text-center text-danger">
82
83 </div>
84
85 <div class="form-row input-group mb-2">
86 <div class="col">
87 <input type="email" name="email" class="form-control" placeholder="E-mail here . . ." required />
88 </div>
89 </div>
90
91
92 <div>
93 <input name="submit" type="submit" value="Send Password" style="border-radius: 10px;" class="btn btn-outline-info btn-block my-4">
94 </div>
95 </form>
96 </div>
97 </div>
98 </div>
99 </body>
100 </html>
```

Forgotpassword.php

E-mail here . . .

Send Password

OUTPUT (Forgot Password)

```
File Edit Selection View Go Run Terminal Help profile.php - Get_Top3 - Visual Studio Code
EXPLORER
> OPEN EDITORS
  > GET_Top3
  > js
  > browse.php
  > card.php
  > changepassword.php
  > dbconfig.php
  > forgotpassword.php
  > gettop3.sql
  > head.php
  > index.php
  > login.php
  > loginform.php
  > loginpage.php
  > logout.php
  > navbar.php
  > product.php
  > profile.php
  > README.md
  > readme.txt
  > redirectingpage.php
  > register.php
  > registerform.php
  > registerpage.php
  > session.php
  > OUTLINE
  > TIMELINE
  > NPM SCRIPTS
profile.php X
profile.php
1 <?php
2 include('session.php');
3 >
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <?php
8 include 'head.php';
9 >
10 </head>
11 <body>
12 <!-- Navbar -->
13 <?php require 'navbar.php'; ?>
14 <div class="text-center" id="profile">
15 <b id="welcome">Welcome : <i><?php echo $_SESSION["email"]; ?></i></b>
16 <br><br>
17 <a href="changepassword.php" >Change password</a>
18 </div>
19 </body>
20 </html>
```

Profile.php

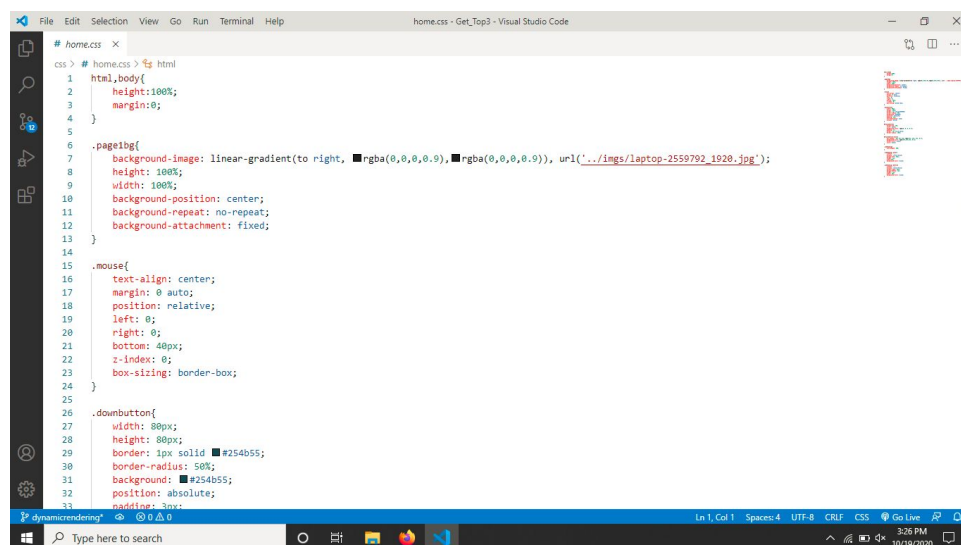
CSS Files

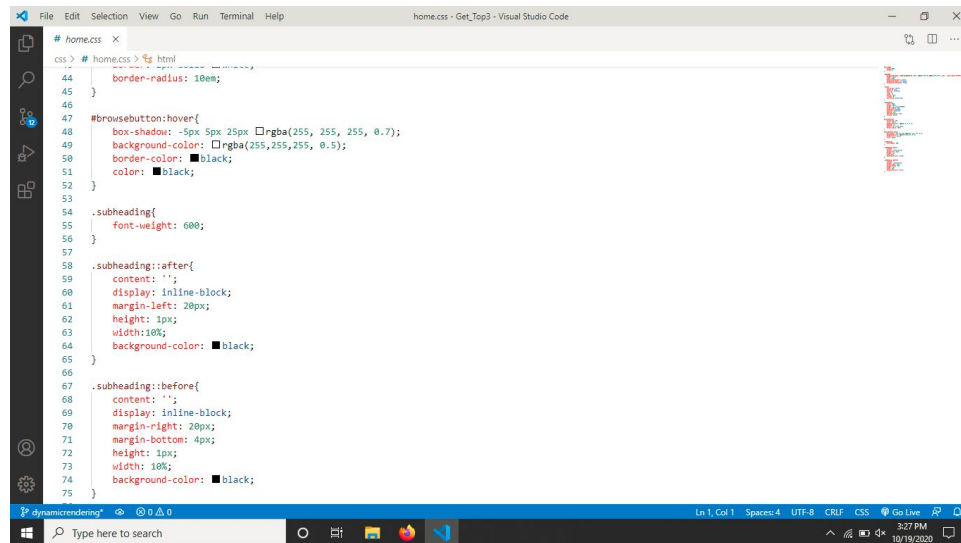
```
# form.css ×
css > # form.css > ...
1  .forms{
2  |     box-shadow: -5px 5px 25px ■ rgba(0, 0, 0, 0.4);
3  | }
|
```

Form.css

```
# navbar.css ×
css > # navbar.css > ...
1  @media only screen and (max-width: 600px) {
2  |     #navbarContainer {
3  |         display: contents;
4  |     }
5  |
6  | }
```

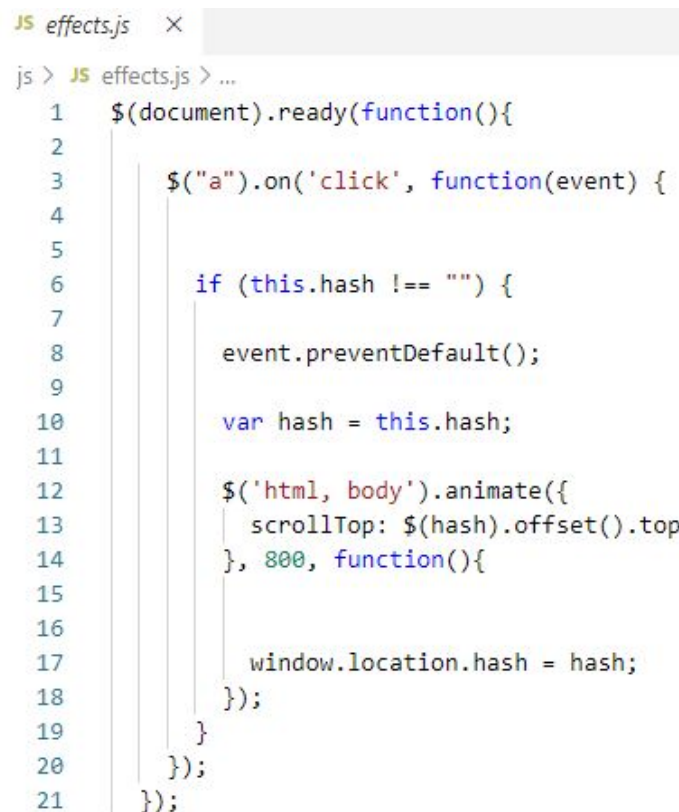
navbar.css



A screenshot of the Visual Studio Code editor interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows 'home.css - Get_Top3 - Visual Studio Code'. The editor window displays CSS code for 'home.css' with line numbers 44 to 75. The code includes a 'border-radius: 10em;' rule, a 'browsebutton:hover' rule with box-shadow, background-color, border-color, and color, and three rules for '.subheading' (after, before, and a base rule) with font-weight, display, margin, height, width, and background-color. The status bar at the bottom shows 'dynamicsrendering', 'Ln 1, Col 1', 'Spaces: 4', 'UTF-8', 'CR LF', 'CSS', 'Go Live', and the date '10/19/2020'.

home.css

JavaScript Files

A screenshot of the Visual Studio Code editor interface showing a JavaScript file named 'effects.js'. The editor window displays the code with line numbers 1 to 21. The code uses jQuery to handle a click event on an element with ID 'a'. It checks if the hash is empty, prevents the default action, scrolls to the top of the element, and updates the window location hash. The status bar at the bottom shows 'Ln 1, Col 1', 'Spaces: 4', 'UTF-8', 'CR LF', 'JavaScript', 'Go Live', and the date '10/19/2020'.

effects.js

```
JS togglepassword.js ×
js > JS togglepassword.js > ...
1  var state= false;
2  function togglePassword(){
3      if(state){
4          document.getElementById("registerpassword").setAttribute("type","password");
5          document.getElementById("togglevisibility").innerHTML='show';
6          state = false;
7      }
8      else{
9          document.getElementById("registerpassword").setAttribute("type","text");
10         document.getElementById("togglevisibility").innerHTML='hide';
11         state = true;
12     }
13 }
```

togglepassword.js

User Table Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 firstName	varchar(50)	utf8mb4_0900_ai_ci		No	None			Change Drop More
<input type="checkbox"/>	3 lastName	varchar(50)	utf8mb4_0900_ai_ci		No	None			Change Drop More
<input type="checkbox"/>	4 email	varchar(50)	utf8mb4_0900_ai_ci		No	None			Change Drop More
<input type="checkbox"/>	5 password	varchar(20)	utf8mb4_0900_ai_ci		No	None			Change Drop More
<input type="checkbox"/>	6 phoneNo	bigint(10)			No	None			Change Drop More

Table Structure

References

- <https://www.w3schools.com>
- <https://www.getbootstrap.com>