

```
<div class="container">
  <div class="row">
    <div class="col-md-6 col-lg-8"> <!-- _____ BEGIN NAVIGATION
      <nav id="nav" role="navigation">
        <ul>
          <li><a href="index.html">Home</a></li>
          <li><a href="home-events.html">Home Events</a></li>
          <li><a href="multi-col-menu.html">Multiple Column Men
          <li class="has-children"> <a href="#" class="current">
            <ul>
              <li><a href="tall-button-header.html">Tall But
              <li><a href="image-logo.html">Image Logo</a></li>
              <li class="active"><a href="tall-logo.html">Ta
            </ul>
          </li>
          <li class="has-children"> <a href="#">Carousels</a>
            <ul>
              <li><a href="variable-width-slider.html">Variab
              <li><a href="variable-width-slider.html">Testimoni
```

# Assignment 4 Report

ADVANCE TOPICS IN WEB DEVELOPMENT  
(CSCI5709)

## Abstract

Assignment 1 has been modified, updated and beautified with additional functionalities, for Assignment 4. Bootstrap framework has been applied and properly cited for this assignment.

## SITEMAP

For this assignment, 5 pages have been designed with 3 functionalities. The pages are:

1. Home Page (index.php)
2. Login Page (login.php)
3. Registration Page (register.php)
4. Profile Page (profile.php)
5. Welcome Page (welcome.php)

The Home Page contains the navigation bar with links to the different pages. The various links are the logo itself, which redirects the user from any page, to the Home page. Responsiveness has been shown with the help of Bootstrap to show Responsive Website Design (RWD). This can be seen with the help of Lorem Ipsum text. Session has been used for logging in and saving user information and details. This information has later been used for profile updating. From the Home Page (as shown in Figure 1), on clicking on the Login button, it redirects the user to the Login Page.

If the user already has an account associated with the website, he/she can use his login credentials (email address and password) to Log in. It is matched with the database to fetch the validity of the user.

A new user can create a new account by clicking on the Sign Up page. The required fields for registering as new users are first name, last name, email address, street address and password. Validations have been implemented for all fields. After registering as a new user, the user is redirected to the Login page. After Logging in, the user will be taken to the Welcome page.

The Welcome Page appears only after a user logs in successfully with valid credentials.

The profile page displays the first name, last name, email address, street address and zip code of the user. There are separate tabs for changing (updating) user details and updating the password. There is also a delete profile button for completely removing the user details and information.

1. Provide an explanation of the issues/bugs present in the original assignment.

My submission for Assignment 1 had various issues:

- I. No responsive 1,2,3 column layouts.
- II. Validation Errors
- III. My submission was incomplete.

2. What impact did these issues/bugs have on the overall functionality and/or UI of the original assignment?

The whole assignment did not have a proper flow and lacked any database connectivity. There was no responsiveness in the website and no CSS validation.

3. What were the original approaches and/or techniques used in the original assignment which caused the issues/bugs you set to correct for Assignment 4?

My approach for assignment 1 was poor. I was suffering from a major eye issue which was a setback for me to not submit the assignment properly. I had to start working from the scratch. I used Bootstrap for creating the webpages and php for database connectivity.

4. Why did you implement the approaches and/or techniques used in the original assignment which caused these issues/bugs?

NA

5. Which approaches and/or techniques were implemented to resolve the issues/bugs that had been present in the original assignment? How is this solution implemented? How is this solution better than the solution you had originally implemented?

This solution is a lot better in terms of setting the goals of the original requirements as well as the additional requirements for assignment 4.

## References

- [1] Bootstrap. <http://getbootstrap.com/docs/3.3/>
- [2] Font Awesome. <https://fontawesome.com/>
- [3] W3layouts. <https://w3layouts.com/>
- [4] W3School. <https://www.w3schools.com/bootstrap4/>
- [5] Stack Overflow. <https://stackoverflow.com/>
- [6] W3 School Validation. <https://validator.w3.org/>
- [7] My previous Assignment. Assignment 1 (It repeats most technologies and content from the previous assignment).
- [8] W3 Layouts License. <http://creativecommons.org/licenses/by/3.0/>