# **Task-6**

## **1. What I have learned:**

In this assignment I was asked to build a dynamic website. I was also asked to make the website responsive and add features like sign up, login, registration, database, pop-up, hash security etc. I did not know how to solve many of these problems. My teacher helped me to solve many of these problems and I learned a lot about PHP,JavaScript, Bootstrap and JQuery through my teacher and by studying on my own and doing research. I also learned to solve problems in a systematic way within a fixed deadline.

## **2. The ways in which the system could be improved to become fully functional for mobile phones:**

There are tools provided my Google which can be used to test how much this website is mobile friendly. There is also a site called ‘mobile phone emulator’ through which I can test how the website works in different mobile phones.

The menu options can be made with block display so as to fit well within the mobile screens that are smaller than the desktop screens.

The Sign-Up or call to action buttons can be made more visible and easier to spot and there should be preferably one Sign-Up per page which large enough to tap on because the mobile phone screen is smaller.

The text blocks can be made smaller because even small texts appear larger in small screens which might be inconvenient and difficult for readers and every post articles and its images has responsive width and height where bootstrap classes were used. The inline articles and posts were set in block display for smaller devices because of its small screen size.

## **3. The parts of the development process that were difficult**

While building this dynamic Website I faced some problems because it is an advanced task. The validation process which includes showing popups with the relevant errors when invalid information is entered by users, that process was quite difficult. It took a lot of time and effort. Also I have never worked on a system which blocks a user after a few attempts for giving wrong password. This feature was quite difficult to add. I also had some problems with time management.

## **4. The reason I chose responsive layout for this website and the advantages of responsive website:**

This website needs to be used in mobile as well as laptops and desktops that is the reason and scroll triggered animation also.I chose the fluid responsive layout which can be suitable for mobiles and laptops and other devices. Adaptive website is not flexible and cannot resize and adjust in all devices like the responsive design.

The advantage of responsive design is that it is fluid, flexible and adjustable to any size screen and resolution but adaptive design cannot be like this flexible.

Responsive website garners more mobile traffic than those websites that are adaptive because responsive websites run better in mobile phones than adaptive websites

Responsive websites have lower building costs and lower maintenance time as they are more flexible than adaptive websites.

Responsive websites are very convenient for users to use because the there are no distorted images or any other such problems when responsive websites are accessed via mobile phones so users are more likely to continue using the website.

## **5. How I was able to overcome the problems:**

I was able to overcome the problems related to validation and blocking the user for inputting wrong passwords with the help of my teacher and through extensively studying the topic and watching tutorials on this. I also did web research to solve my problems.

However, I was not able to solve each and every problem so I will continue to pursue my research and study on these areas.