**Assignment Write-Up**

The assignment involved coding an HTML webpage with the following features:

* An embedded YouTube video, and
* A form which can be used to mail comments/opinions from the webpage users to the developers.

The first step of the project was to establish a Git local repository (repo). This is an important first step for any project because it allows keeping a track of all the work that was completed during the development phase and it also leads to accountability because any change can be traced back to the specific developer who made the change. After establishing the local git repo, the webpage coding was carried out. HTML on Notepad++ platform was used for the coding purposes. The first addition to the webpage was the YouTube video, and the video was embedded using the iframe container. Once the video was successfully embedded, the webpage underwent a graphic overhaul. The background colors, font types, and font colors were added to improve the graphic representation of the page, using CSS code. Finally, an HTML form was added which can take input from the user and try to send the mail to the developer. A .php backend file was created to carry out the form processing and the mailing function. A local server was established using the XAMPP software, and the webpage was hosted on the local server, with the php file acting as the backend support on the server.

This assignment provided me with a lot of learning opportunities. It gave me a chance to experiment with different HTML characteristics. It also provided me a chance to learn how to integrate CSS code with the HTML to improve the editing of the webpage. The CSS code was used to create containers for the graphic features for the webpage. The assignment also provided a chance to work with the HTML forms, and to explore how inputs work for the webpage. This was my first experience with php, and I was able to learn how to setup server backend files which can process the input from the webpage. Finally, I was able to learn about the XAMPP software and how I can host the local server to simulate a real-world webpage application. I was also able to learn about mail servers and the integration of the local server with the mail server while trying to send the email from the local server to the mail server.