**Group project completion report**

**Group members:**

The project Techstore was an interesting group work which helped a lot in our understanding of vanilla JavaScript and how to use other technologies such as HTML, CSS, Bootstrap and some plugins such as Font Awesome.

**Decision to use technologies:** We have decided to use pure JavaScript, that means even coding the header section of the website in JavaScript. Therefore all codes have been done on the JavaScript pages, except for CSS style which is done on a separate page. The HTML pages were only used as reference but without actual codes written there.

We have used bootstrap, font awesome and a plugin for alert notification from Sweetalert.js.org. The decision to use bootstrap was made because it made it easier to code less and design the buttons for the websites as per the project mock-up requirement. Font awesome icons were needed as per the requirement and also because it is a standard use among web developers. A plugin for alert used from sweet alert website was found to be useful as it was very well designed with animations. The alert was placed on the shopping confirmation button to notify successful shopping and also give a thank you note to the customer.

**Decision to manage work and flow:** The workflow and sharing was done through an initial discussion and planning between the group members. The workflow was decided to be conducted on the GitHub using git-fork. On the GitHub the project and issues were created. Subsequently files were uploaded on the GitHub repository. Then the files were fetched from there to local repositories on the git-fork. It was planned that group members would work on the assigned issues. Some issues were assigned to both members for practice reasons and also to tackle issues with codes that were deemed to be difficult. All issues that were solved would be pushed to develop branch and from there to local master and then pushed to the master in the origin/remote depository on the GitHub.

Additionally, the group members would work and discuss in the classroom about code work and approach to developing the project, and code together.

**Difficulties encountered:** One main difficulty that we encountered was to work purely on the JavaScript and avoid coding in HTML. This seemed initially challenging. It is because mostly HTML would be using HTML and bootstrap codes. However, were quick to adopt to this. All other issues while seemed a little difficult were solvable and we could solve them without encountering much difficulty.

**What could be done differently:** While this is mainly for practice purposes to use Vanilla JavaScript, however using JQuery would have made coding easier and lesser. Also dividing the codes on HTML and JavaScript would have made coding easier.

All in all, it was fun and a great learning opportunity. We have learned a lot to code and work on a project as a group.