E-Commerce Website Hosting Platform Update

# Introduction:

We initially started by deploying our website on GitHub Pages. However, now that we have implemented React Router DOM, there have been some issues using GitHub Pages. The main issue is that GitHub Pages is static so there is no re-routing to different URLs that are within the same project as GitHub takes it that we are moving to a different directory which is not the case. This will be explained in more details.

# Solution:

We have now migrated our hosting platform to Netlify. This has given us minor problems but we have fixed them and now the site is up and running fully. Every commit to the main branch creates a new build and deploy mechanism automatically.

# Further Information:

We could still implement a solution using GitHub Pages along with React Router DOM. Instead of using create browser router, we must use hash router. However, after initial testing with hash router, it is much more complex to implement because of actual anchors (HTML links) that redirect to different parts of the website. Those anchor HREF’s cannot contains the character “#” as that specifies a tag’s ID but we want it to be part of the actual URL. This type of problem along with changing each re-direction to fit the hash router meant that we weren’t going to use it.

Netlify provided us to commit what we have already and change a few things. We had to manually import the environment variables and change the allowed URIs for the Google OAuth Credentials and Consent Screen sections. And that was it.

# Conclusion:

We will be using Netlify until stated otherwise.