NAME:

ENROLLMENT NO.:

Description of Class Case Study:

My topic of case study was Brave browser. In my case study I explored different topics such as how browsers work, how brave browser works, what things it does differently.

I will shortly go over all these topics.

How browsers work ?

A browser is a userspace tool that basically acts as an interface between a user and the world wide web. It helps users get information from the web using protocols like http, https etc. Browsers functioning can be explained by looking at the different layers of the browser. First is the user interface, this contains the GUI of the browser. Then, comes the rendering engine, that renders the HTML ( hyper-text markup protocol ) and CSS (cascading style sheet ) instructions in the form of graphics on the browser. Then, comes the browser engine. This is the most important part of the browser, it is responsible for executing the javascript that is attached to a web page and make the page interactive. Browsers like chrome use an engine called V8. There are also other components such as networking stack that handles networking etc.

About Brave.

Brave is a fork of chromium that is an open source version of chrome. It builds on that base and it’s own features above it.

One of the main things that brave does differently is ads. It has ad-blocking built in by default. And does not allows sites track a clients usage. It has its own crypto currency system to support sites without Ads. This makes a users online activities very secure. Also ad blocking leads to better performance as ads cause a lot of overhead.

As an open source project brave uses good practices and has a lot of contributors working on the project. It uses Mozilla public license ( MPL 2.0 ).