Mini Project – I

(2019-20)

E-Commerce Website (y-shopping)

Mid Term Report

Team Members

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About the Project

The e-commerce has transformed the way business is done in India. Much growth of the industry has been triggered by increasing internet and smartphone penetration. An ecommerce website is a website which allows your business to sell products and services to their online audience. There are two types of E-commerce websites: Retail & Wholesale. The project is related to Wholesale market. From the website we will be able to order multiple items in one go. The interface will be easy to use & website will quickly scale with increasing traffic load. All the services like Hosting, Authentication, Cloud Functions will be given by Firebase.

Implementation Details

The project will use various firebase services like Hosting, Authentication, Cloud Functions. After a good discussion & research, we identified that we will require 9 cloud functions in total. The size of each cloud function will be 256 MB with timeout of 60 seconds. We chose cloud function over normal JavaScript function as we can easily view the logs & errors in a dedicated console. The hosting will be SSL secured by default, so the website can run easily on google chrome as well. The Authentication will be email-password based. We chose to go with this option as we can easily verify the authenticity of the user who will enter into our website. We will use Node.js for backend & MEHN stack for frontend. For UI framework, we will use Semantic UI.

Progress till date

Till now there are 15 commits on GitHub starting from September 16. All the basic dependencies have been added to project through NPM. We have also initialized the firebase project along with reatime database & cloud functions. In this project we will utilize the cloud based session storage rather than browser based sessions. This is because as cloud based sessions are more secure than browser based. Cart functionality is also added to the website. The cart will be used to store the products selected by users for further purchase. The first cloud function is also set-up & will retrieve the products info from database. I have created the hompage of website which will have featured products. About Us & Contact Us page have also been added to website.