



## Team 16: Project Charter

CS 30700

### Team Members:

Raman Kahlon, Spencer Kline, Ashwin Mahesh, Rohith Ravindranath, Kenny Varghese,

### Problem Statement:

Nowadays e-commerce sites have been exploding all over the internet. However, not all of them are created equal. We intend to create a site which provides an excellent client experience regardless of whether they are a merchant or a customer. With recommended products, reviews, and search autocomplete, we aim to build a web application that can compete with top sites like Amazon and eBay.

### Project Objectives:

- To build a visually pleasing e-Commerce site
- To allow customers to easily browse and purchase products
- To allow merchants to register and add their own products
- To provide tailored product suggestions to our customers based on what they have viewed
- To allow users to leave reviews on products

### Stakeholders:

- Project Owners: Rohith Ravindranath, Kenny Varghese, Raman Kahlon, Spencer Kline, Ashwin Mahesh
- Developers: Rohith Ravindranath, Kenny Varghese, Raman Kahlon, Spencer Kline, Ashwin Mahesh
- Users:

- Customers
  - Ordinary people who want to spend money
  - "Prime membership" for expedited shipping and discounted prices
- Merchant
  - Confirmed sellers who have a product to sell
  - Paid license program
- Sponsors
  - Pay money to promote their product
- Project Coordinators (Manager):
  - Shane

### Project Deliverables:

- An Angular front-end web app where consumers can browse products and merchants can add products
- A Firebase and NodeJS backend which handles all of the client requests
- Implement NoSQL database used in conjunction with Firebase
- Utilize STRIPE API to ensure secure payments
- Use REDIS as a caching mechanism for better performance in real-time
- Implement dynamic searching and autocomplete using AJAX