

# Online Retail Store

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Kumar Saksham (2021329)

## 1 Project Scope

To create a online retail system that lets users request goods from any location. The website would work similar to the popular online retail store like Amazon. This would include logging onto the application and entering the product information, this would lead to the website to order goods, and thereafter making a proper online retail store for the customer.

## 2 Technical Requirements

The project is being created using the following applications:

- 1) MySQL
- 2) HTML
- 3) JavaScript
- 4) Python
- 5) Django
- 6) NodeJS

## 3 Functional Requirements

### Payment Management

A payment processing functionality. Options for online payment (only upon completion of which the orders will be confirmed) and cash-on-delivery(once the delivery is done).

### Dispatch and Tracking of Product

Functionalities to estimate products' order times and compute the shortest path between two points using traditional shortest path algorithms like Dijkstra.

### Push Notifications

Simple alerts to notify the user about key events such as "Order confirmed", "Payment successful", "Product arrived" etc.

### Security by design

Functionalities to ensure the security of sensitive data such as user credentials and other

personal information.