# Project Title: Digital Convenience store

**Category:** Web Application

**Purpose:**
The purpose of this web application is to create a one-stop online portal for students in the college to buy items of necessity from nearby local vendors.

**Scope:**
It will help students as well as the smaller local vendors. Students do not need to visit multiple stores to find an item, and the vendors will get more visibility and sales via this app.

**Introduction:**

**Existing System-**

The present system involves students to go to the shops to buy items. There are various disadvantages to this system:

- It is inconvenient to go and buy items from the store.
- Students cannot see the availability of an item.
- It is time consuming if the shop is located at a distance.
- New students are unaware of the shops in the area.
- There is a sense of safe transaction and security through online purchasing.

**Proposed System-**

- Admin login: Sellers can set up their store inventory to show the items available with them.
- Buyer/customer login: Students can browse and search through the items and find a store which has the required items.
- Easy access to available items' information.
- It will save students' time and effort to visit multiple shops.

**Functional Requirements:**

- Admin can login and see the orders placed.
- Full-featured shopping cart to buy items together.
- Product search feature to make access easy.

- PayPal/credit card integration for easy online payments.
- Students can post reviews and ratings for all the items they purchase.
- Students can view and maintain their own profile, and can review their orders.
- Full detailed view of the product on clicking its specifications.

**Non-functional requirements:**

- Admin rights should be available only to admin/seller
- The website must be resilient to any kind of attacks, including DDoS and XSS attacks.
- Website should be easily usable and easy to navigate

**Software tools:**
- Programming language: JavaScript
- Framework/tech-stack: MongoDB, Express, React, Node (MERN)
- Development tools: VS Code
- Database server: MongoDB
- Authentication: JWT Authentication (JSON web tokens)

**Deployment:**
- Operating system server: Windows, Linux

**Hardware specifications:**
- Processor: Intel Core i5
- RAM: 4GB
- Hard Disk: 1TB