

# Capstone Project Definition

## General Store

### Description

The capstone project will be a general store, which will be divided between administration and customer section. The admin should be able to manage the product inventory. The customer should be able to view the products in the inventory, add them to their shopping cart, view the shopping cart and checkout.

### Pages:

1. Admin:
  - a. The admin should be able to access the admin page in the “/admin” route, in order to see the list of products stored in the inventory database.
  - b. The admin should be able to save new products.
  - c. The admin should be able to edit existing products.
  - d. The admin should be able to delete existing products.
  - e. The product must have at least the following data: Name\*, ImageUrl\*, Description, Price\*. (\* means required).
2. Store:
  - a. The customer should be able to access the main page in the “/” route, in order to see the catalog of products available for purchase.
  - b. The user should be able to add products to the shopping cart.
  - c. Show a shopping cart icon in the navigation bar with a counter of the total quantity of products added.
  - d. The shopping cart icon should link to the checkout page.
  - e. When a product is added multiple times, it should add a new entry to the shopping cart page (accumulating the quantity of the same item in a counter is not required, but is a bonus).

### 3. Checkout:

- a. The customer should be able to access the checkout page in the “/checkout” route, in order to see the list of products added to the shopping cart.
- b. The customer should be able to see the total amount to be paid.
- c. The customer should be able to remove products from the shopping cart.
- d. When a product is removed, it should update the quantity in the shopping cart icon and the amount to be paid.
- e. The customer should be able to input a name and an address in a form.
- f. The customer should be able to checkout with a button, this action should save the order in the database with the products bought (There must be at least one product added), the name\* and the address\* of the user. (Both are required fields).
- g. After checking out and saving the order, the shopping cart should be reset, and redirect the user to the store's main page.

## Deployment

1. Both projects must be deployed on their corresponding platform and connect to each other.
2. Build and test automation is not required, but is a bonus.
3. Deployment automation is required for the backend.

## Submission

Both URLs to repositories and URLs to the deployed working application should be sent in an email to [talent@itjuana.com](mailto:talent@itjuana.com). The title for the email should be “Fullstack Capstone Project - <Your Full Name>”. Please use your full name as used in the zoom sessions.

The date limit to send the project will be Friday April 15th 2022.

## Additional Notes:

- Design and implement the corresponding REST API in accordance with the requirements.

- Using MongoAtlas for the DB is recommended.
- Add validations in the frontend as well as the backend.
- Follow project structure good practices as seen in the bootcamp.
- CSS and component libraries/frameworks are allowed, as well as libraries/frameworks for data validation.
- Projects with at least 50% completion can be considered for review, and the approval is subject to the quality of the project, and good practices.
- HAVE FUN! Learning new skills should be a fun and interesting experience! :D