

# THINKBRIDGE

**Project:** Shop Bridge

**Front-End technology:** Angular

**Back-End technology:** Node.js with express

**Database:** MongoDB

## **Client Setup: -**

Run the below commands in the root of the client project i.e. inside the shopBridgeClient folder

1. npm i
2. ng serve

## **Server setup: -**

Run the below commands in the root of the server project i.e inside the shopBridgeServer folder

1. npm i
2. change the .env files according to your config
3. Mongodb is used as database

## **Functionalities in Client: -**

General: -

1. Interceptors to handle header on api request
2. Interceptors to handle success and error on api response
3. Module Based approach
4. Preloading modules for faster execution
5. PWA enabled for native feel in mobile

Homepage:

1. Product listing with api calls
2. Handled no product available scenario
3. Search the product with product name in the header. (Which works with behaviour subject)
4. Delete functionality with real time delete and reload feature

5. Navigation to view or edit product
6. Add button which navigates to the add product page
7. Inbuilt and custom pipe used to display the currency and display type of currency

Add/Edit Page: -

1. Both add and edit is handled in one single page with proper conditions
2. Used reactive forms
3. Form validations
4. Image upload feature
5. Custom directive to restrict user from adding any other character other than number in the price input field
6. Custom validator to restrict product price to not more than 10K

## Test coverage

Since test was given to me at 11am and deadline was EOD only could cover the code up to 20%

## Deployment:

GitHub repository url: <https://github.com/marvin-aroza/shopBridge>

## Screenshots:

Homepage:

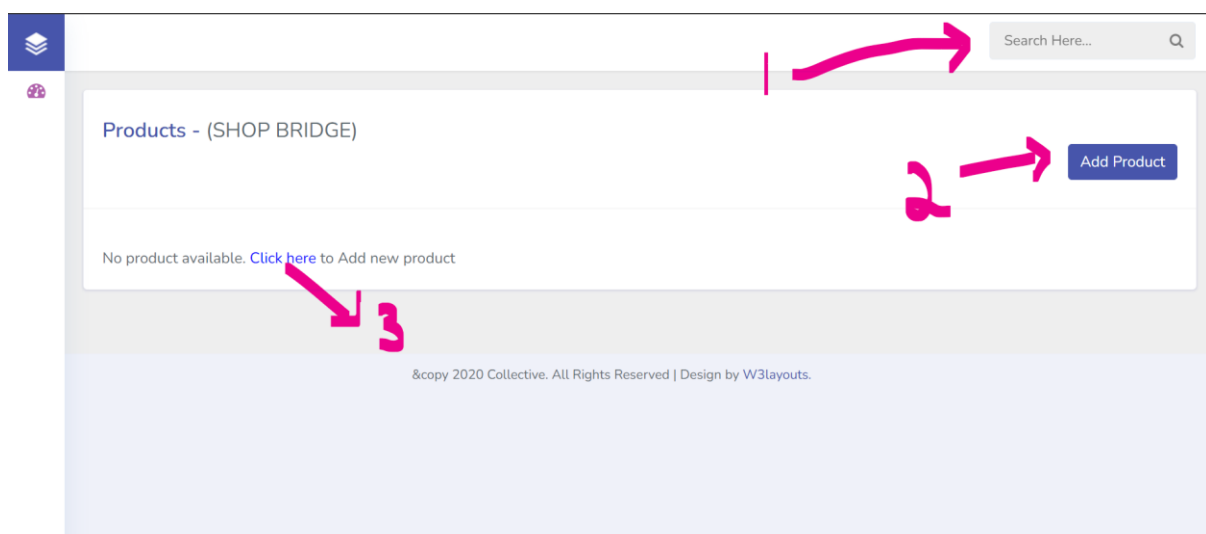


Figure 1 Homepage without products

- Number 1 in the figure indicates the search functionality in the product listing
- Number 2 button to redirect to add product page
- Number 3 text shown when the products are not available and click here button to navigate to add product page

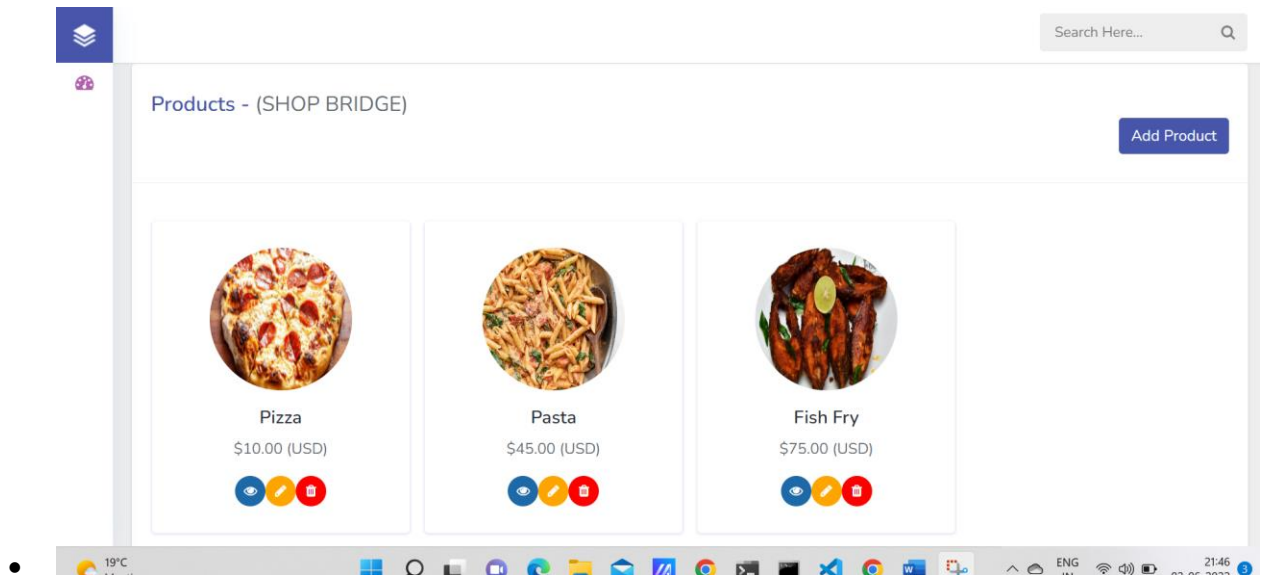
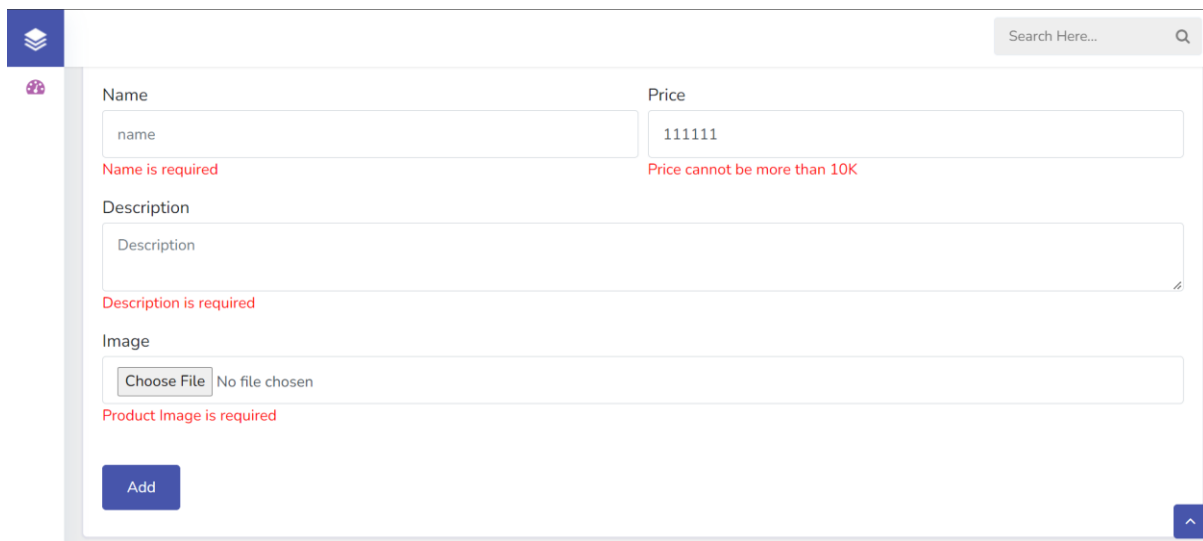


Figure 2 Homepage with product list

## Add Product:

The screenshot shows the 'Add Product' page. The header has a search bar labeled 'Search Here...' and a 'Home' button. The main content area is titled 'Add Product'. It contains a form with four sections: 'Name' with a text input field containing 'name', 'Price' with a text input field containing 'Price', 'Description' with a text area containing 'Description', and 'Image' with a 'Choose File' button and the text 'No file chosen'. At the bottom left of the form, there is a blue button labeled 'Add'.

Figure 3 Add product page



The screenshot shows a web application interface for adding a new product. At the top, there is a search bar with the placeholder text "Search Here..." and a magnifying glass icon. Below the search bar, on the left, is a blue sidebar with a logo and a small icon. The main content area is a form titled "Add Product" (implied by the caption). The form has four sections: "Name", "Price", "Description", and "Image". The "Name" field contains the text "name" and has a red error message "Name is required" below it. The "Price" field contains the text "111111" and has a red error message "Price cannot be more than 10K" below it. The "Description" field contains the text "Description" and has a red error message "Description is required" below it. The "Image" field has a "Choose File" button and the text "No file chosen", with a red error message "Product Image is required" below it. At the bottom left of the form is a blue "Add" button. At the bottom right is a blue button with an upward arrow.

Search Here... Q

Name

name

Name is required

Price

111111

Price cannot be more than 10K

Description

Description

Description is required

Image

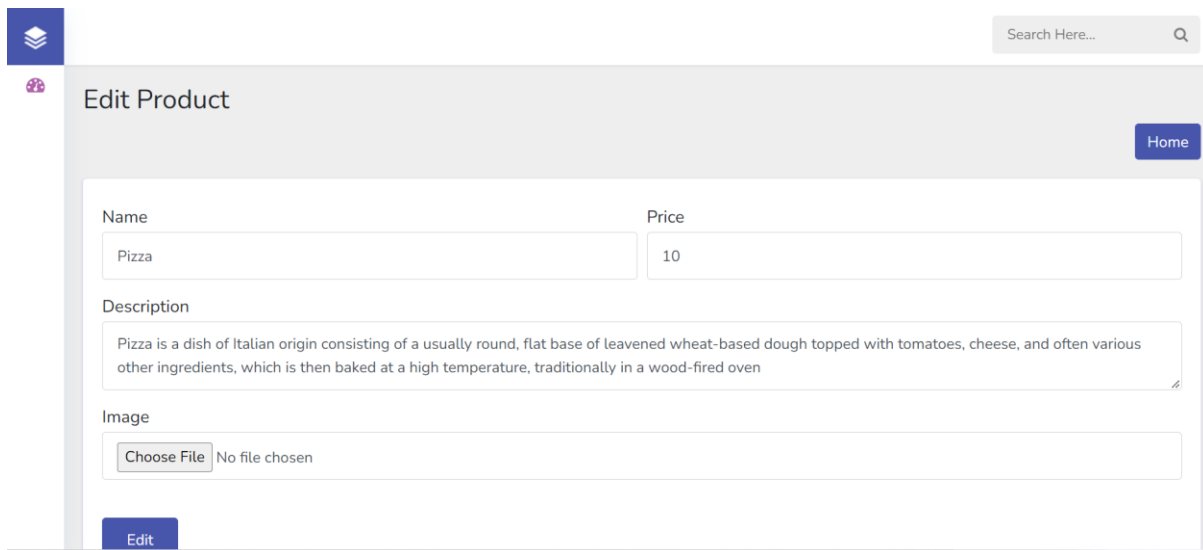
Choose File No file chosen

Product Image is required

Add

Figure 4 Add product page with validation errors

## Edit Product:



The screenshot shows a web application interface for editing an existing product. At the top, there is a search bar with the placeholder text "Search Here..." and a magnifying glass icon. Below the search bar, on the left, is a blue sidebar with a logo and a small icon. The main content area is a form titled "Edit Product". At the top right of the form is a blue "Home" button. The form has four sections: "Name", "Price", "Description", and "Image". The "Name" field contains the text "Pizza" and the "Price" field contains the text "10". The "Description" field contains the text "Pizza is a dish of Italian origin consisting of a usually round, flat base of leavened wheat-based dough topped with tomatoes, cheese, and often various other ingredients, which is then baked at a high temperature, traditionally in a wood-fired oven". The "Image" field has a "Choose File" button and the text "No file chosen". At the bottom left of the form is a blue "Edit" button.

Search Here... Q

Edit Product

Home

Name

Pizza

Price

10

Description

Pizza is a dish of Italian origin consisting of a usually round, flat base of leavened wheat-based dough topped with tomatoes, cheese, and often various other ingredients, which is then baked at a high temperature, traditionally in a wood-fired oven

Image

Choose File No file chosen

Edit

Figure 5 Edit item page with prepopulated data

## Delete Product:

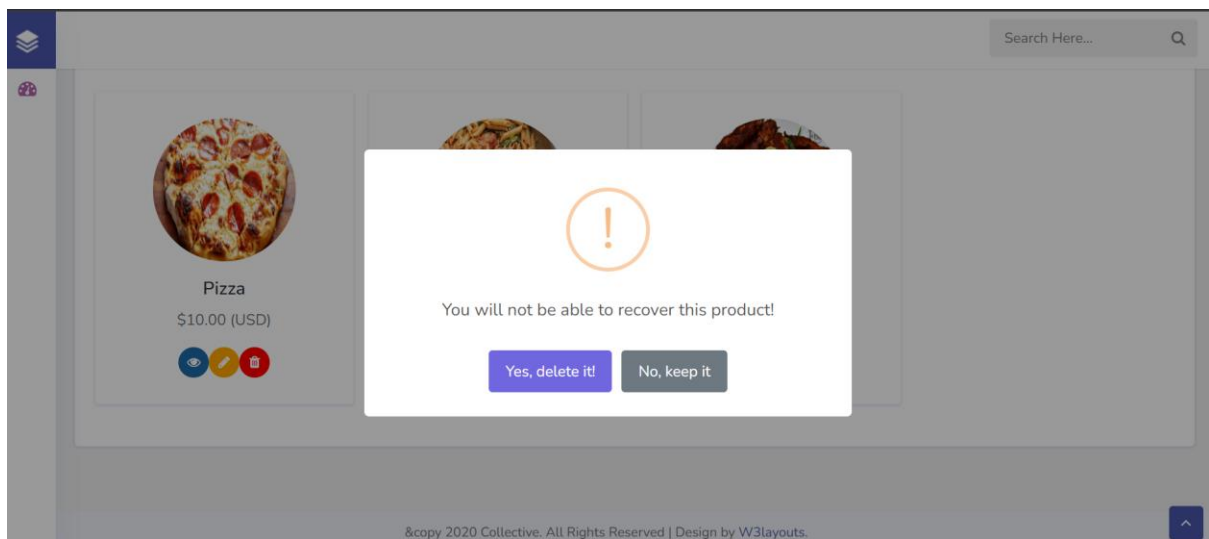


Figure 6 Delete product popup

## View Product:

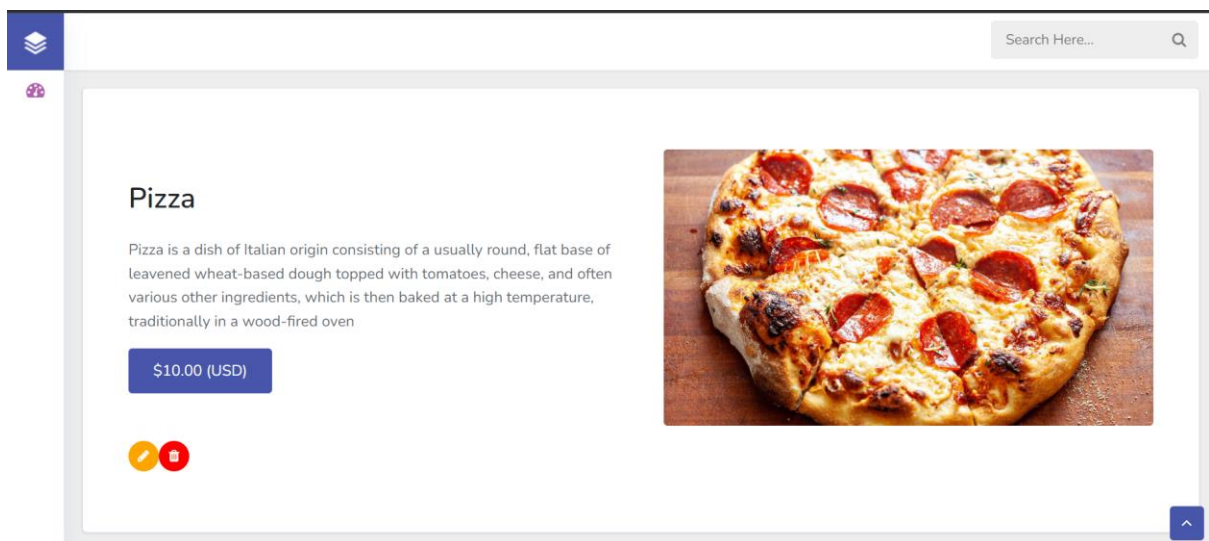


Figure 7 View Product page with edit and delete buttons

## Time spent on modules:

1. Project setup and structure: 15min
2. Module and functionality for both client and server: 6.5h
3. Report and documentation: 30min