'Shop Stop' Application Documentation

Coursework for the JavaScript class at University of Economics – Varna.

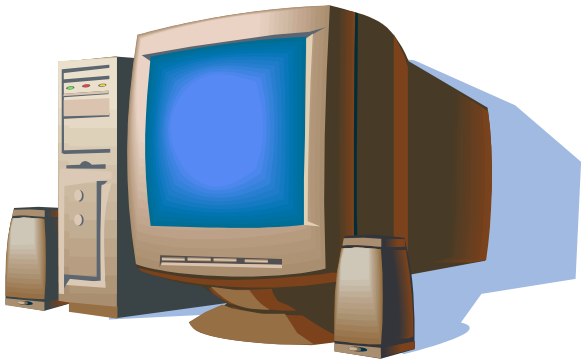
Prepared by:

Yordan Yordanov
group 39
F.№114452

Academics:

Prof. Dr. Snezhana Sulova

Chief Assist. Dr. Boris Bankov



"*Shop Stop*" is very simple **product catalog** website (like OLX, Amazon – but simpler). The application will consist of **users**, **products** and **categories**. Each **user** can **register**, **login** and **logout**. **Users** also can **create**, **buy**, **edit** or **delete** a **product**. Each **product** has **a category** in which it is specified. Site will implement of **searching** for a **product** by the product's **name** or **category**.

Project Specification

Designed and implemented a web application using HTML5, CSS3, JavaScript, Node.js, Express.js, Pug.js, Mongo DB and Mongoose.

Source code of the project HERE!

Functionality

- **User Login**
  - Login in current application using username and password of already registered user.
- **User Register**
  - Register a new user by providing username and password.
- **User Logout**
  - Logouts from the application.
- **Product Create**
  - Creates a new product, makes currently logged in user as it's publisher.
- **Product Buy**
  - Products may be bought by any user.
  - One product could not be bought more than one time.
- **Product Edit**
  - Edits product's information.
- **Product Delete**
  - Deletes specific product from database.
- **Category Create**
  - Create a category which later on can be picked when a new product is created (uploaded).

- **Products by Name**
  - List all products which name contains given text.
- **Products by Category**
  - List all products are in particular category (use the name of the category).

Models

Here will be described the mandatory information for each model:

User

- **Username** – **string** which is **required** and **unique**
- **Password** – **string** which is **required** and represents the **hashed** value of the user's **password**
- **Created Products** – **collection** of **products** created by given user

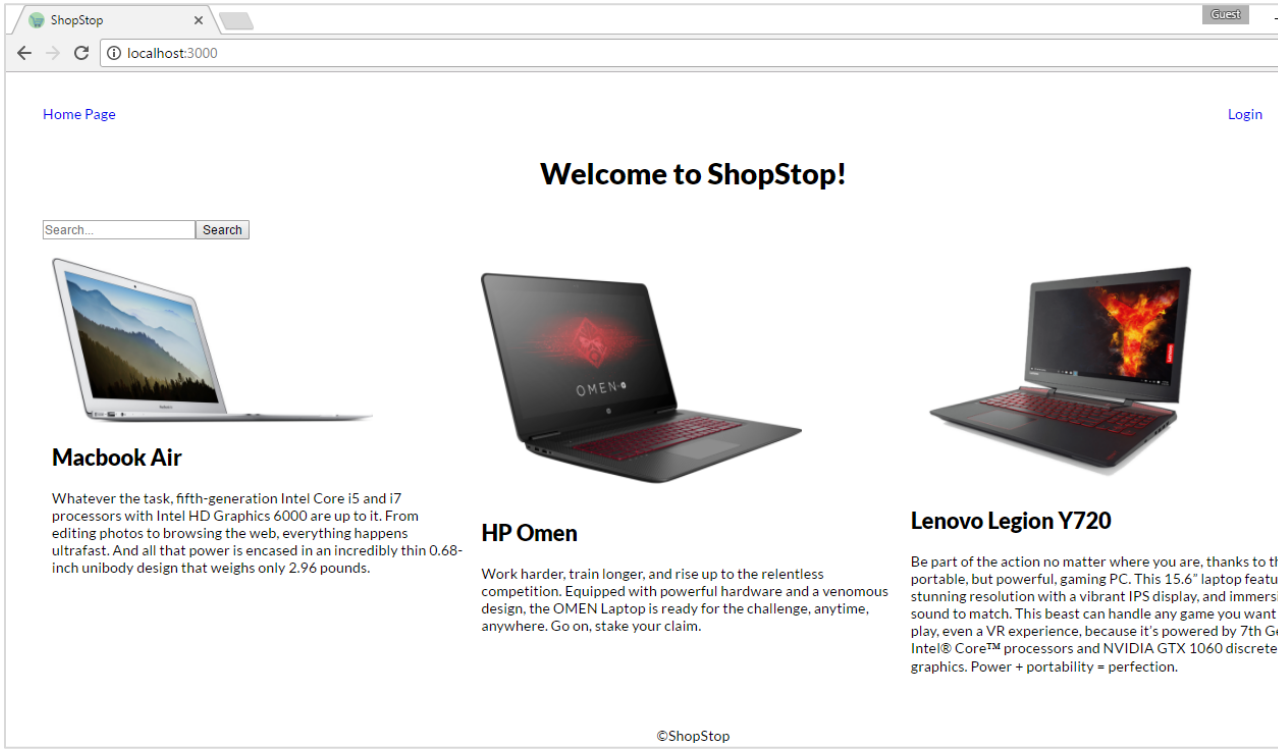
Product

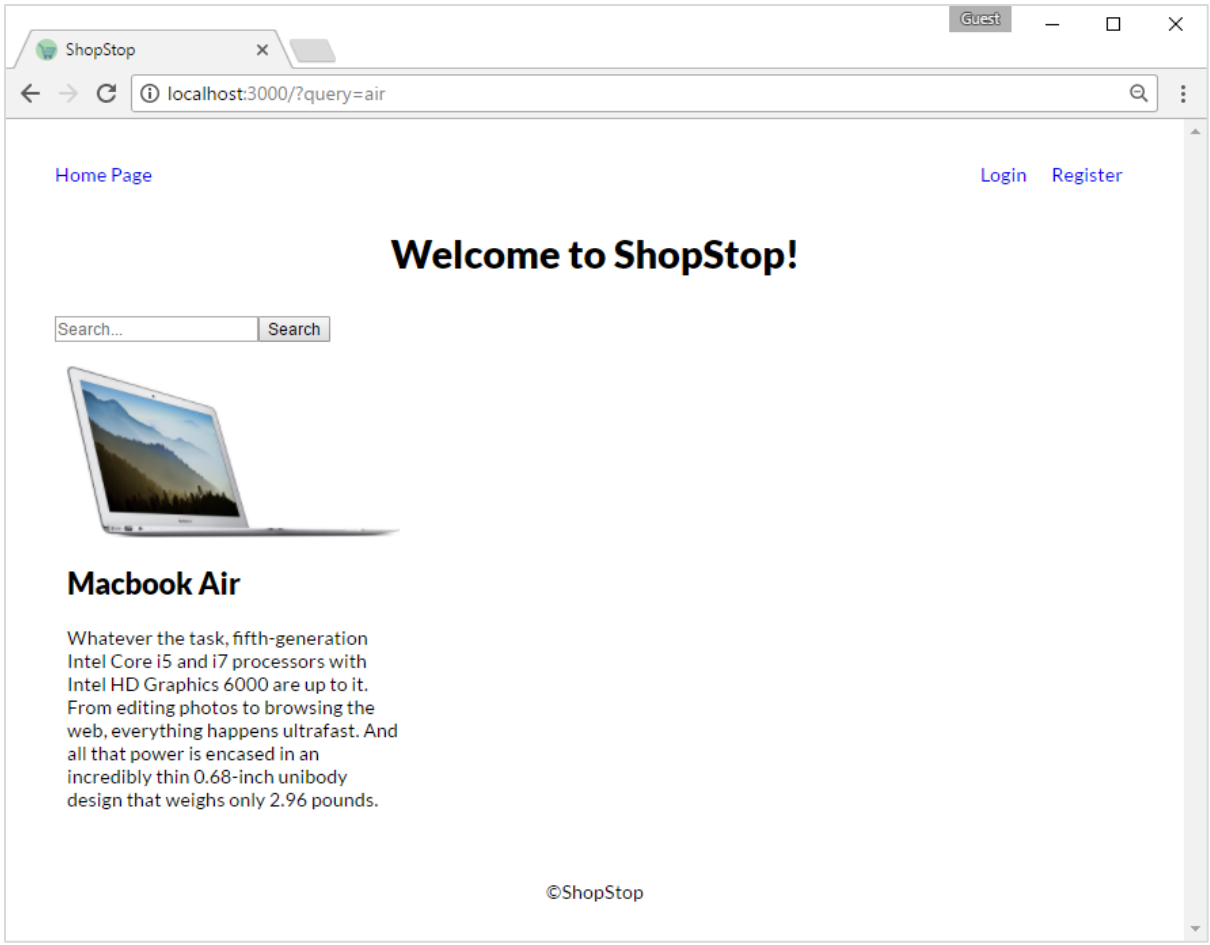
- **Name** – **string** which is **required** and **unique**
- **Description** – **string** containing some additional information about the product
- **Price** – **decimal** number which is **non-negative**
- **Creator** – **reference** to the **user** who created the product
- **Image Url** – **string** containing **reference** to an **image** which displays the given product
- **Is Bought** – **bool** flag which is set to true whenever the user buys the product
- **Category** – **reference** to the **category** where the current product is placed in.

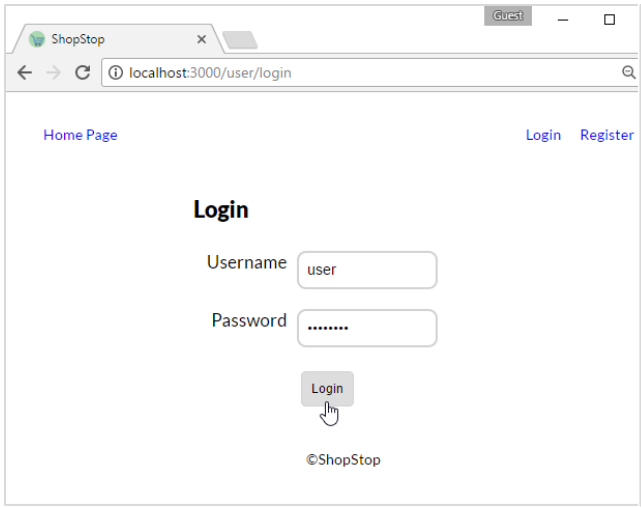
Category

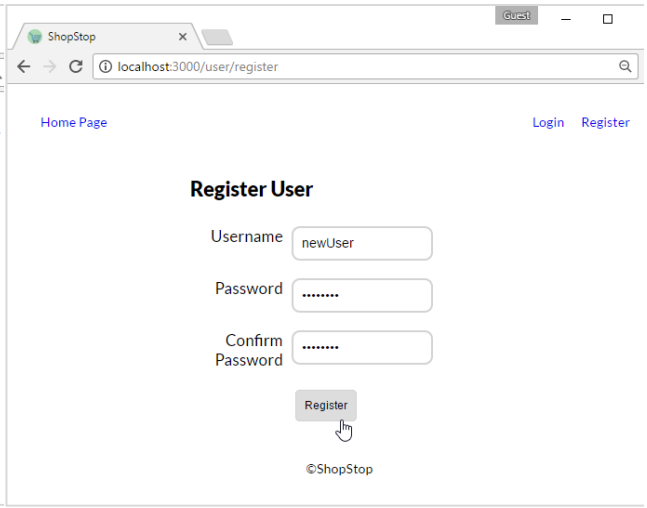
- **Name** – **string** which is **required** and **unique**
- **Products** – **collection** of all **products** in given category

This is how app looks like (before user login):

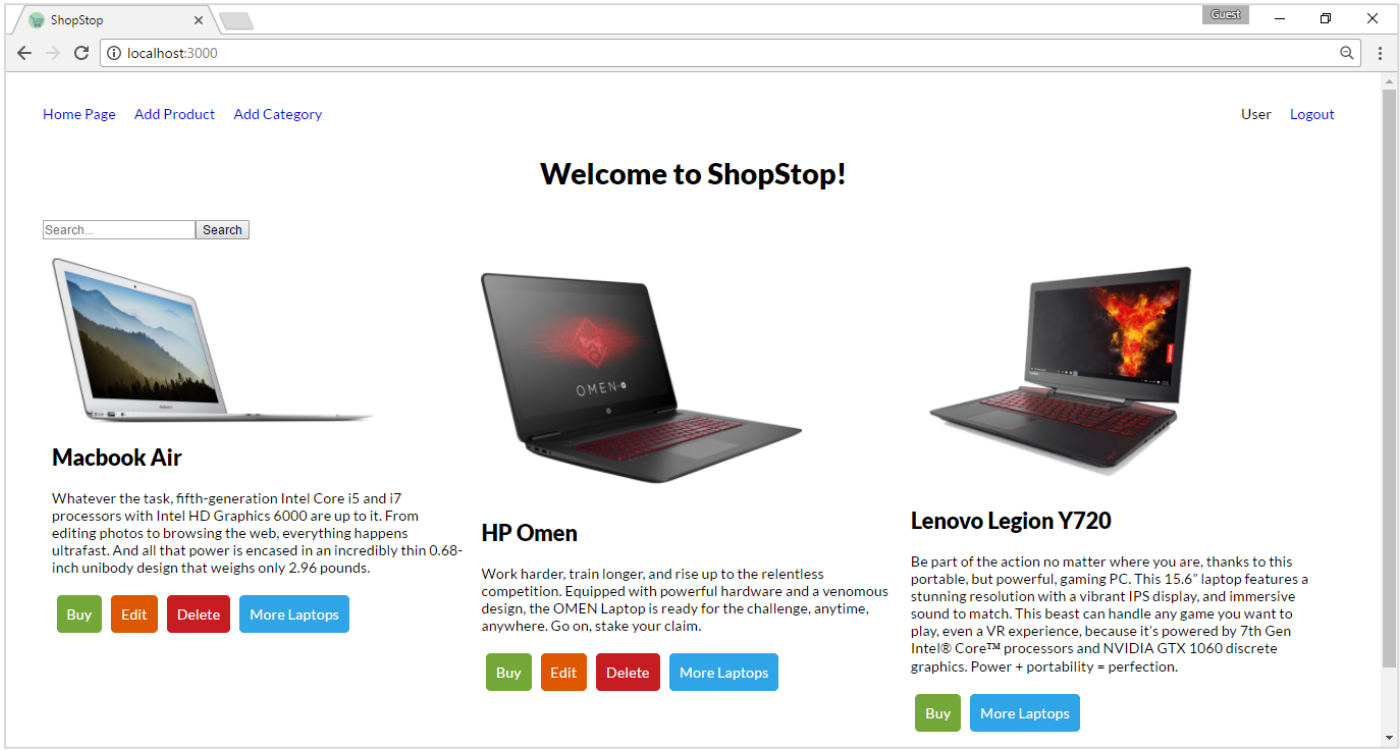


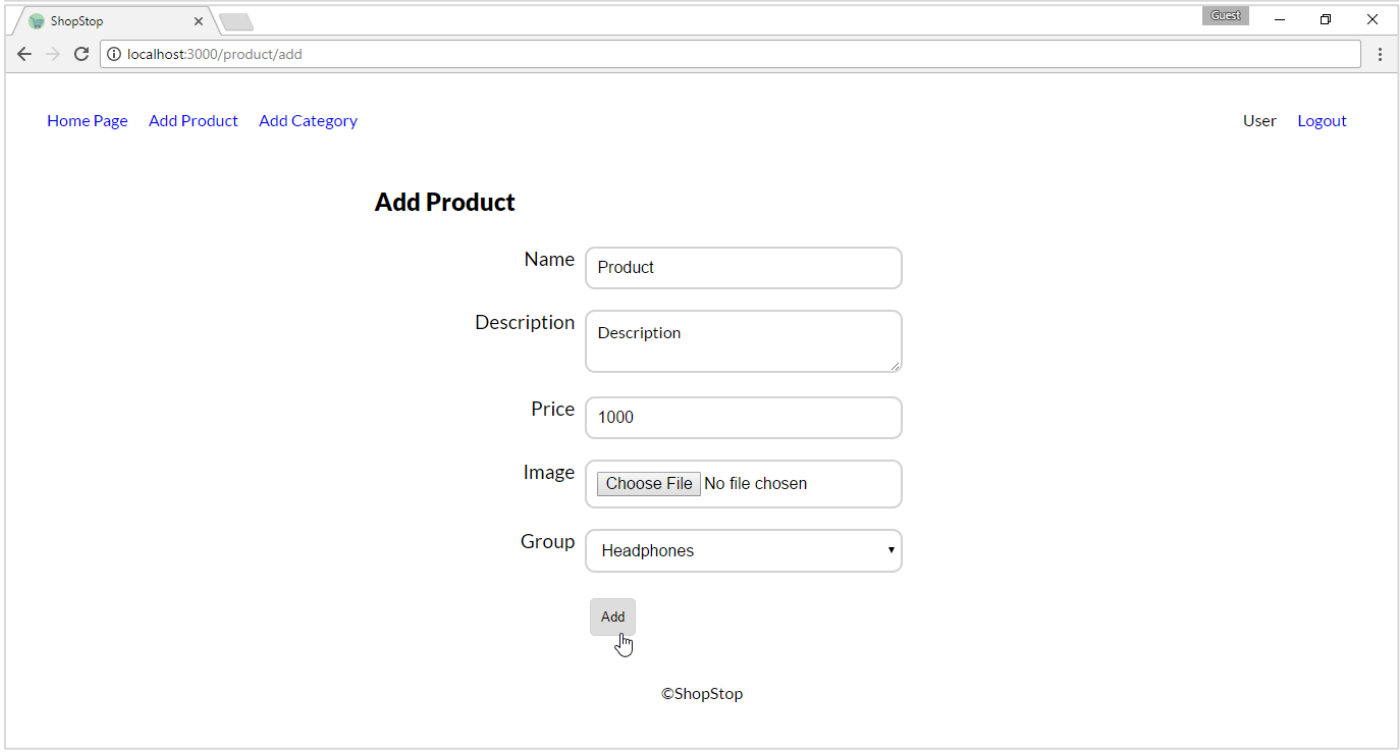

Guest
ShopStop
localhost:3000/?query=air
Home Page
Login
Register
Welcome to ShopStop!
Search...
Search
Macbook Air
Whatever the task, fifth-generation Intel Core i5 and i7 processors with Intel HD Graphics 6000 are up to it. From editing photos to browsing the web, everything happens ultrafast. And all that power is encased in an incredibly thin 0.68-inch unibody design that weighs only 2.96 pounds.
©ShopStop

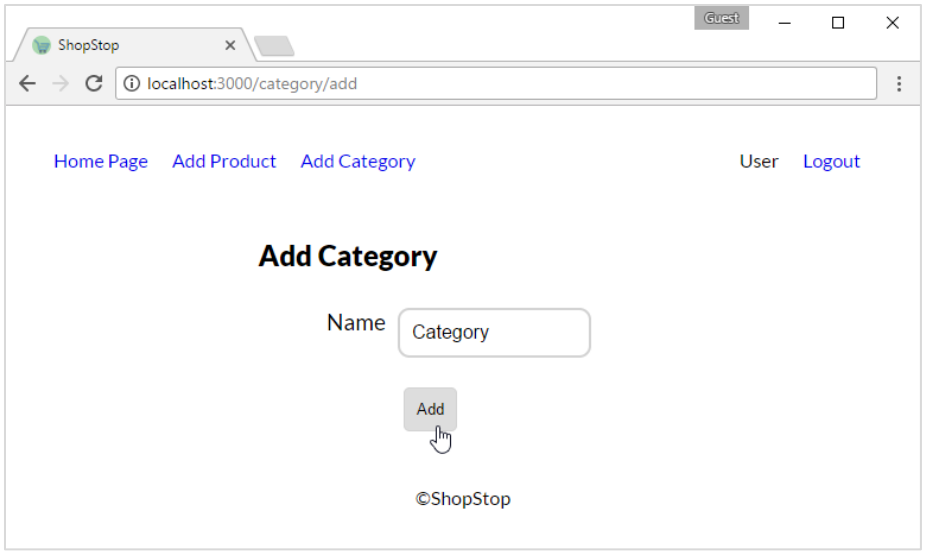

Guest
ShopStop
localhost:3000/user/login
Home Page
Login
Register
Login
Username
user
Password
Login
©ShopStop

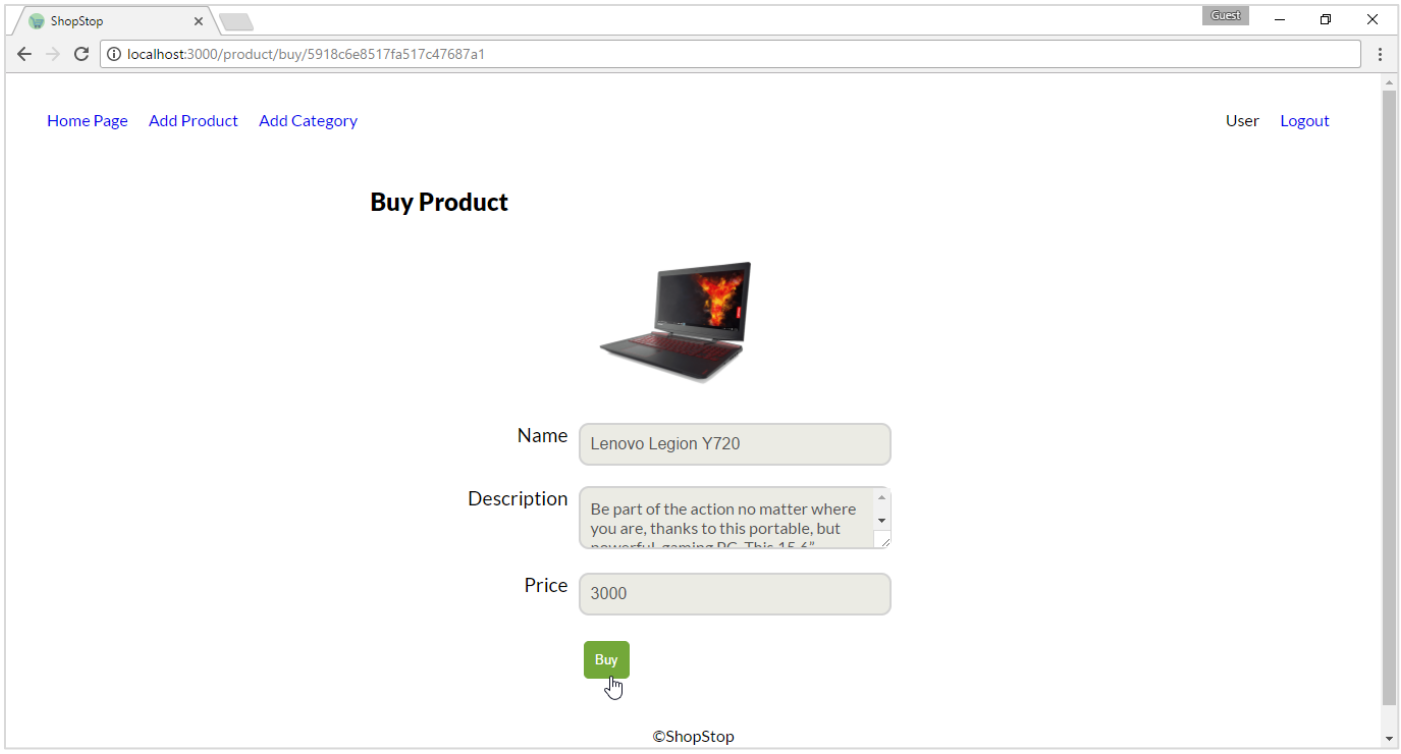

Guest
ShopStop
localhost:3000/user/register
Home Page
Login
Register
Register User
Username
newUser
Password
Confirm Password
Register
©ShopStop

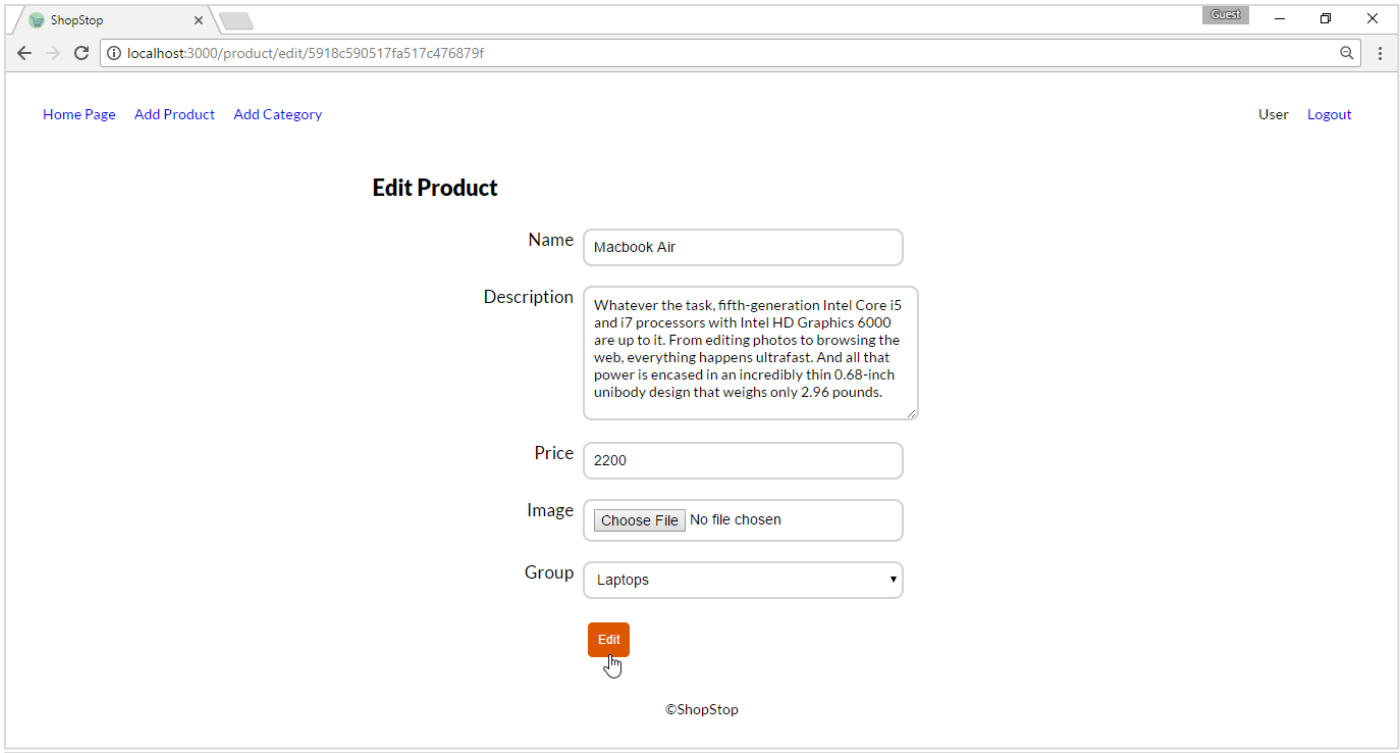
This is how the app looks like (after user login):

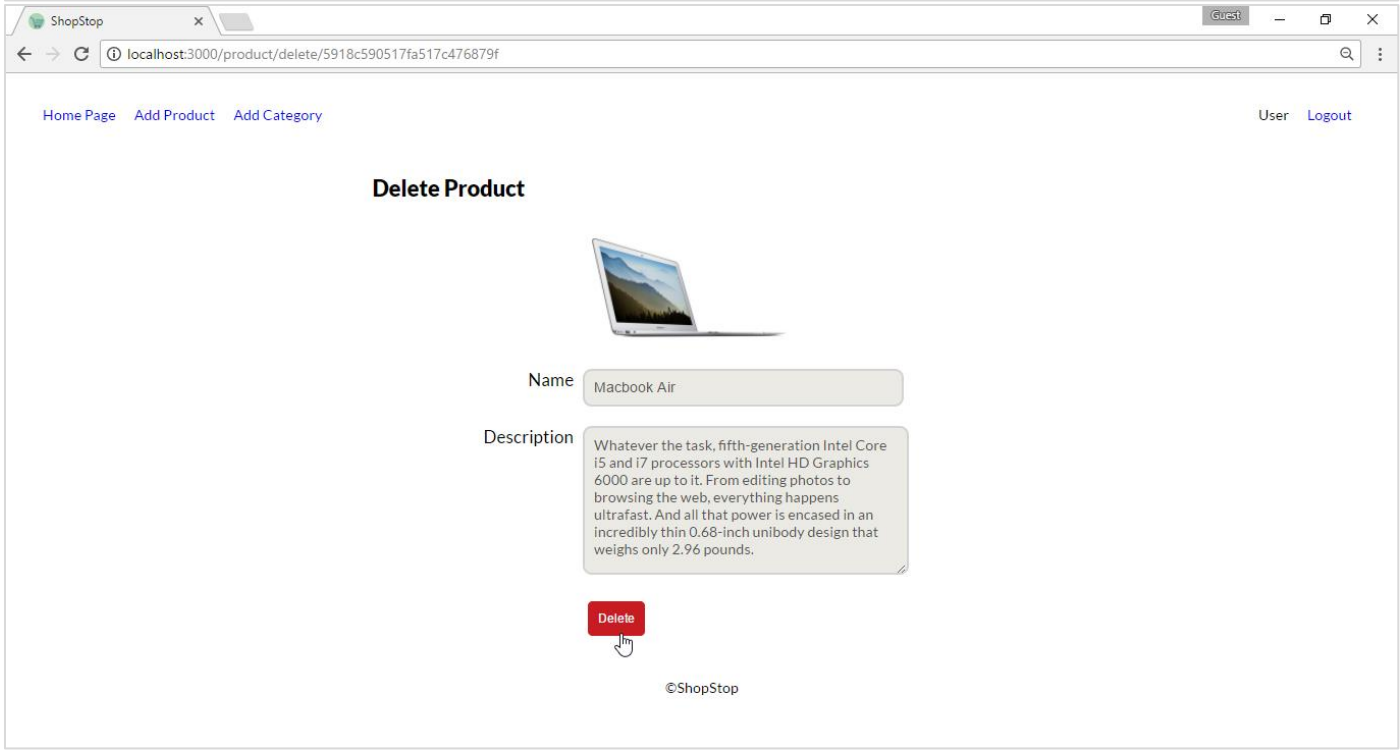


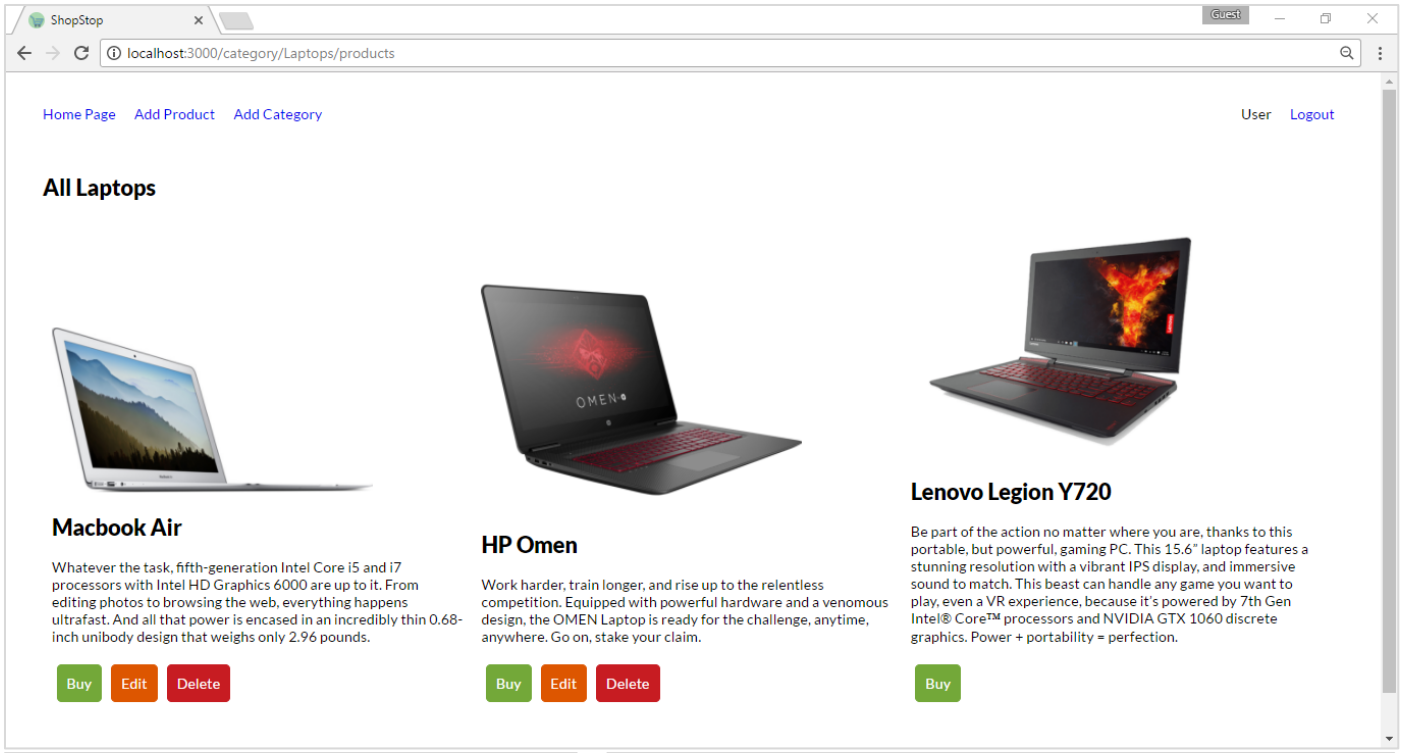


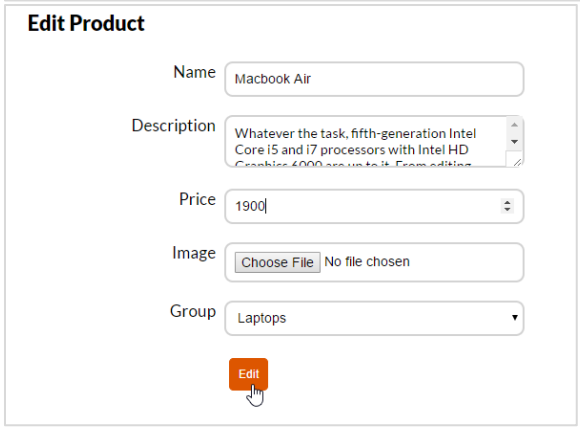

Guest
ShopStop
localhost:3000/category/add
Home Page
Add Product
Add Category
User
Logout
Add Category
Name
Category
Add
©ShopStop

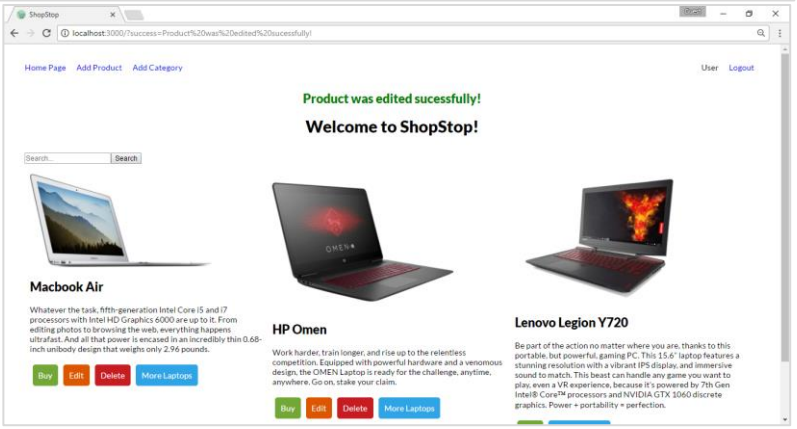

Guest
ShopStop
localhost:3000/product/buy/5918c6e8517fa517c47687a1
Home Page
Add Product
Add Category
User
Logout
Buy Product
Name
Lenovo Legion Y720
Description
Be part of the action no matter where you are, thanks to this portable, but
Price
3000
Buy
©ShopStop

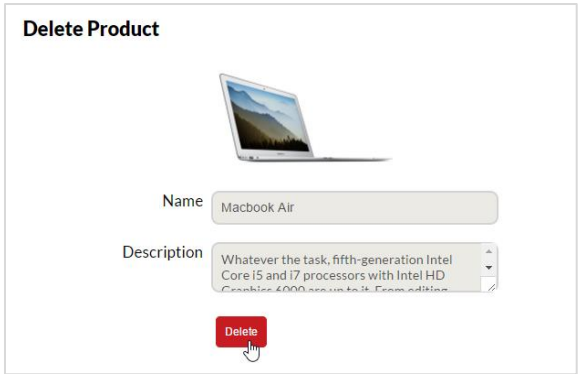

ShopStop
Guest
localhost:3000/product/edit/5918c590517fa517c476879f
Home Page
Add Product
Add Category
User
Logout
Edit Product
Name
Macbook Air
Description
Whatever the task, fifth-generation Intel Core i5 and i7 processors with Intel HD Graphics 6000 are up to it. From editing photos to browsing the web, everything happens ultrafast. And all that power is encased in an incredibly thin 0.68-inch unibody design that weighs only 2.96 pounds.
Price
2200
Image
Choose File
No file chosen
Group
Laptops
Edit
©ShopStop

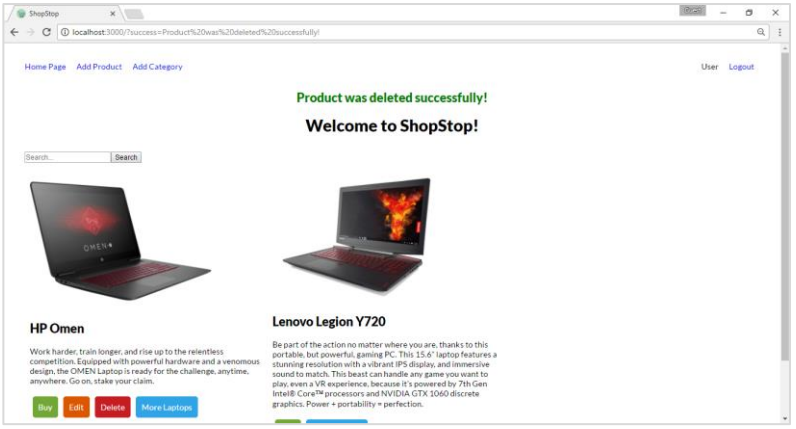

ShopStop
Guest
localhost:3000/product/delete/5918c590517fa517c476879f
Home Page
Add Product
Add Category
User
Logout
Delete Product
Name
Macbook Air
Description
Whatever the task, fifth-generation Intel Core i5 and i7 processors with Intel HD Graphics 6000 are up to it. From editing photos to browsing the web, everything happens ultrafast. And all that power is encased in an incredibly thin 0.68-inch unibody design that weighs only 2.96 pounds.
Delete
©ShopStop

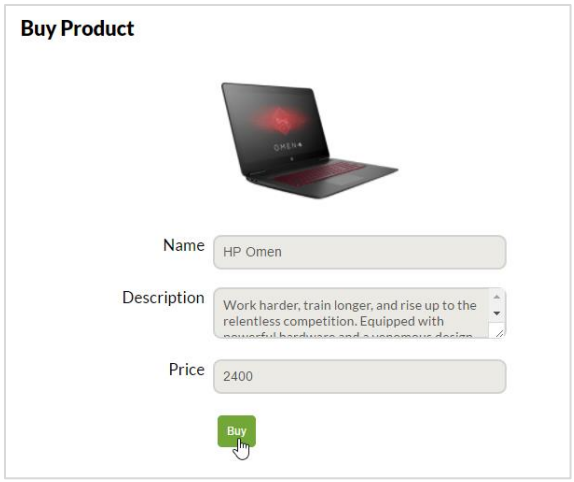

ShopStop
Guest
localhost:3000/category/Laptops/products
Home Page
Add Product
Add Category
User
Logout
All Laptops
Macbook Air
Whatever the task, fifth-generation Intel Core i5 and i7 processors with Intel HD Graphics 6000 are up to it. From editing photos to browsing the web, everything happens ultrafast. And all that power is encased in an incredibly thin 0.68-inch unibody design that weighs only 2.96 pounds.
Buy
Edit
Delete
HP Omen
Work harder, train longer, and rise up to the relentless competition. Equipped with powerful hardware and a venomous design, the OMEN Laptop is ready for the challenge, anytime, anywhere. Go on, stake your claim.
Buy
Edit
Delete
Lenovo Legion Y720
Be part of the action no matter where you are, thanks to this portable, but powerful, gaming PC. This 15.6" laptop features a stunning resolution with a vibrant IPS display, and immersive sound to match. This beast can handle any game you want to play, even a VR experience, because it's powered by 7th Gen Intel® Core™ processors and NVIDIA GTX 1060 discrete graphics. Power + portability = perfection.
Buy

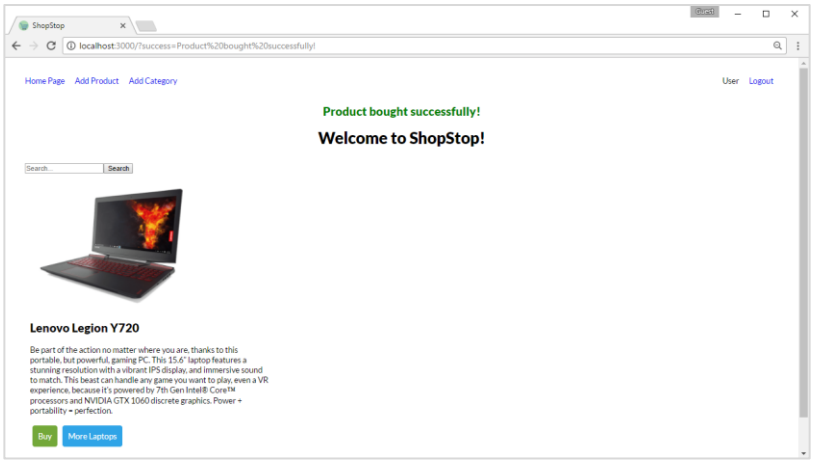

Edit Product
Name
Macbook Air
Description
Whatever the task, fifth-generation Intel Core i5 and i7 processors with Intel HD
Price
1900
Image
Choose File
No file chosen
Group
Laptops
Edit


Product was edited sucessfully!
Welcome to ShopStop!
Macbook Air
HP Omen
Lenovo Legion Y720


Delete Product
Name
Macbook Air
Description
Whatever the task, fifth-generation Intel Core i5 and i7 processors with Intel HD
Delete


Product was deleted successfully!
Welcome to ShopStop!
HP Omen
Lenovo Legion Y720


Buy Product
Name
HP Omen
Description
Work harder, train longer, and rise up to the relentless competition. Equipped with
Price
2400
Buy


ShopStop
localhost:3000/?success=Product%20bought%20successfully!
Home Page
Add Product
Add Category
User
Logout
Product bought successfully!
Welcome to ShopStop!
Search...
Search
Lenovo Legion Y720
Be part of the action no matter where you are, thanks to this portable, but powerful, gaming PC. This 15.6" laptop features a stunning resolution with a vibrant IPS display, and immersive sound to match. This beast can handle any game you want to play, even a VR experience, because it's powered by 7th Gen Intel® Core™ processors and NVIDIA GTX 1060 discrete graphics. Power + portability = perfection.
Buy
More Laptops