

React – Final Project

You need to build an e-Commerce Web Site !!

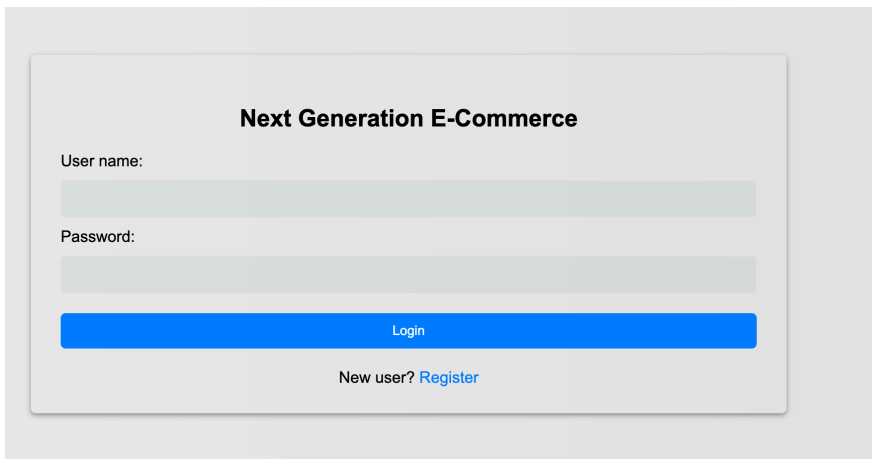
You should use: React, Redux & any kind of server (more on this – later)

The web site divided to 2 operation modes : Administration (web site management) and customers usage. The target audience are registered customers(users) and the Admin of the web site.

“Log in” Page

Every user MUST log in to the web site for working with him.

New users should click on “Register” link and be redirected to “New User Registration” Page.



The image shows a mockup of a login page titled "Next Generation E-Commerce". It features a light gray background with a white rounded rectangle in the center. Inside the rectangle, the title "Next Generation E-Commerce" is at the top. Below it, there are two input fields: "User name:" and "Password:". The "User name:" field is a light gray bar. The "Password:" field is a light gray bar with a small eye icon on the right. Below the password field is a blue button with the text "Login". At the bottom of the rectangle, there is a link that says "New user? Register".

"New User Registration" Page

In this page a new user should register in order to work in the web site

New User Registration

First Name:

Last Name:

User Name:

Password:

☐ Allow others to see my orders

Create

Administration mode

The Administration menu is available only to the admin when he logged in and contains the following pages

Categories Page

In this page, the admin edits the products categories.

He can add a new one or update/delete an existing one.

To update a category name, he should press on “update” button. Then, the category name display becomes an editable text box. Click on “Update” button again will update the category name and the text box will become a regular display again.

Hello, Admin

Categories Products Customers Statistics

Categories

Clothing Update Remove

Toys Update Remove

Customers Page

In this page, the admin can see the data of all customers (registered users), and their orders.

(Ignore the links in the picture)

Hello, Admin

Categories Products Customers Statistics

Customers

Full Name	Joined At	Products Bought		
Avi Ron	17/3/1997	Product	Qty	Date
		Watch	3	1/1/2020
		PC	1	1/1/2020
Dana Cohen	11/7/2007	Product	Qty	Date
		TV	4	3/12/2007
		PC	7	1/1/2021

Products Page

In this page, the admin can manage the products catalog. Each product has its data (including its category) and link to its picture. Each product also shows the customers who bought it, qty and order date. This data can be updated or deleted.

The admin can also add new products to the catalog. Click on “Add New” button will add a new empty product section.

Hello, Admin

[Categories](#) [Products](#) [Customers](#) [Statistics](#)

Title:

Category:

Description:

Price:

Link to pic:

Bought By:

name	qty	date
Danit	2	1/1/2000
Yamit	3	7/3/1993

Title:

Category:

Description:

Price:

Link to pic:

Bought By:

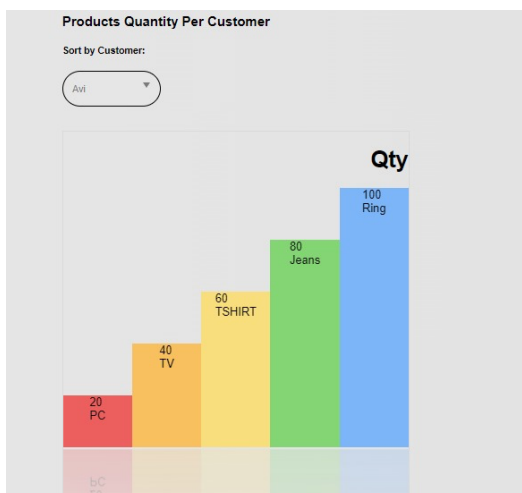
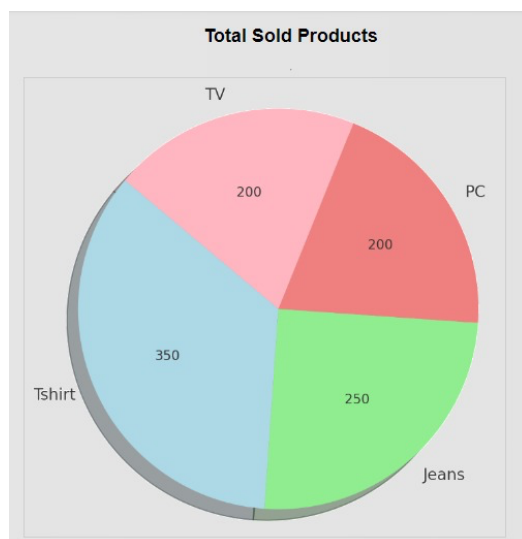
name	qty	date
Sitvanit	2	10/10/2010
Dganit	3	9/9/2009

Statistics Page

The statistics page shows a dashboard with 2 parts:

1. A pie chart with all products sold
2. A bar chart for qty per product sold for every customer. The admin can choose the current user with a drop down list.

Hello, Admin Categories Products Customers Statistics



Customers Mode

Every customer (user) must be log Every log in customer (user) can see the following pages:

My Account Page

In this page, the user (customer) can see and update his own data

Products My Orders **My Account** [Log Out](#)

First Name:

Avi

Last Name:

Cohen

User Name:

coolkid123

Password:

Allow others see my orders:

☒

Save

My Orders Page

In this page, the user can see his entire products orders data

Products **My Orders** My Account [Log Out](#)

Orders

Title	Qty	Total	Date
Watch	2	\$700	4/3/2019
TV	1	\$500	1/12/2021
PC	1	\$80	1/12/2021
Shirt	1	\$9	1/12/2021

Products Catalog Page

In this page, the customer (user) can see all products he can purchase.

The user has a filter bar on the top of the page whom he can use to filter the presented products by their catalog, price and title (any phrase in their title). Keep in mind that the “category” menu filter is been built dynamically according to the categories list that is being managed by the admin.

Every product section contains the product details, picture, the available qty left in stock, the number of sold units (only units bought by other customers with “allow others users see my orders” options will be count).

For ordering a product, the user should set the product qty by pressing the “+” and “-” buttons. Every qty selection will update the cart on the left side of the page with his new selection and with the new total cost for all ordered products

[Products](#) [My Orders](#) [My Account](#) [Log Out](#)

Cart

T-SHIRT - units - Total: \$36 ✕

Cool Jeans - units - Total: \$72 ✕

Total: \$108

[Order](#)

Filter by: Category: Price: Title: [Clear](#)

T-SHIRT

Nice T-SHIRT

Price: \$9

In stock: 27



Bought 43

- +

Cool Jeans

Very cool jeans

Price: \$9

In stock: 35



Bought 187

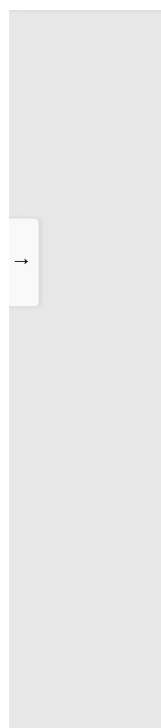
- +

Cart Section

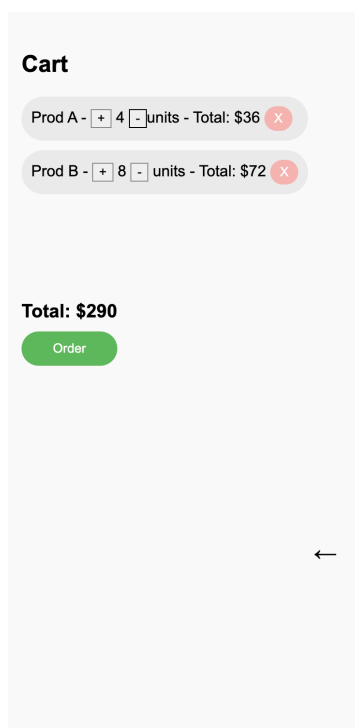
That cart can be open or close by the “arrow” button.

The cart shows all customers orders, the total price of each product and the total price for the entire order. A click on “Order” button will send all data to the server and the user will be logged of immediately.

Close Cart



Open Cart



Important guidelines

1. You can design the UI with any CSS library like: Tailwind, Bootstrap, React Material etc.
2. All tables are implemented with the same component. Think of a smart way to render it dynamically
3. For the server you can use a regular server, a serverless (like Firebase) or Redux. If you choose Redux, you need to use also redux-saga module for preventing the data to be erased on a page refresh.
4. The statistics page is using charts. You can use any react charts library that exists.

Project Delivery

For code reviewing , you need to upload the source to any repository (git,Google drive..)

And send the link in a mail to devprojects2000@gmail.com

The title should be "[Course No] - React Final Project [Full Name]" for example:

Full Stack 34 – React Final project – Avi Israeli