**PRODUCT MANAGEMENT SYSTEM**

(**Spring Boot React Crud)**

Implemented **Crud Operations Using Spring boot and React full stack**

Technologies used:

Spring Boot React Crud Implementation

**Technologies**

**Backend**: Spring Boot, Rest Api

**Frontend**– React (React Hook, React Router 6.0)

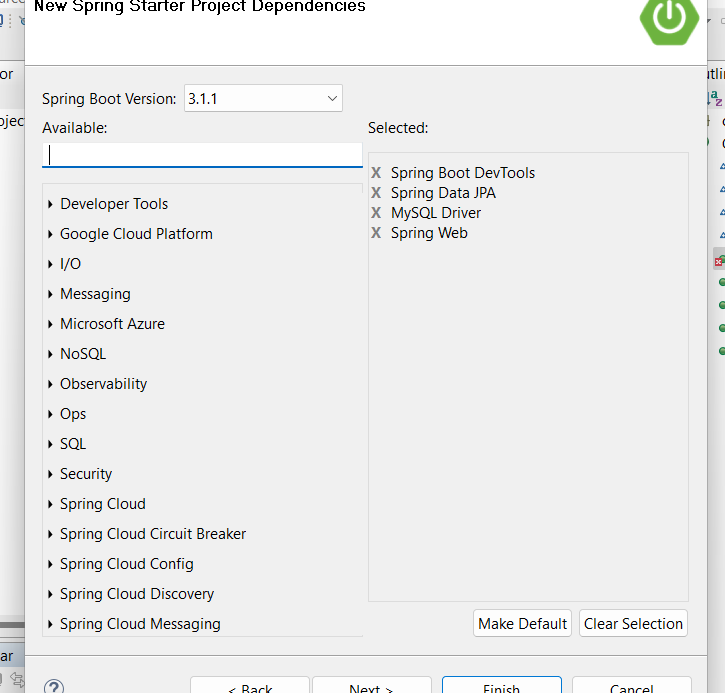
**Tools**: STS 4, VS Code Studio

**Database**: MySQL

**Server**: Apache Tomcat Server

### **Product Management System Backend Source Code structure**

STS 4



FRONT END

MUST HV NODE.JS istalled

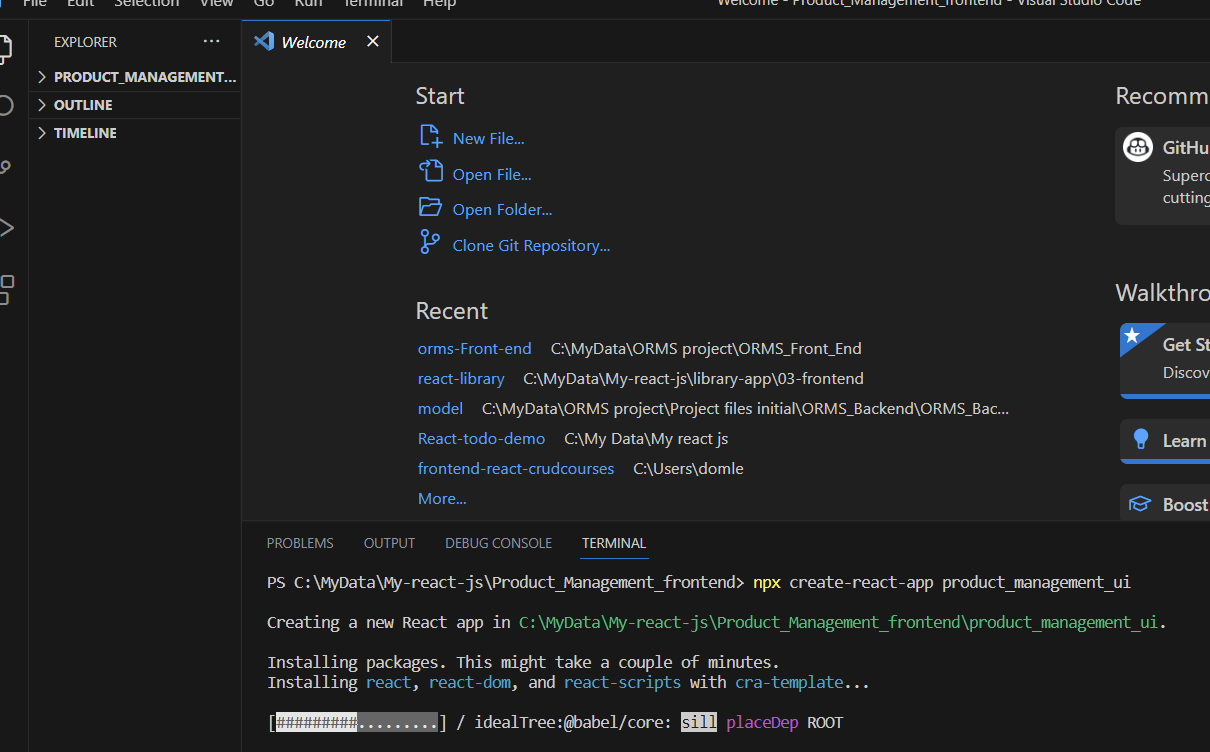
Check W+R> cmd> node -v

Create new folder🡪 Product\_Management\_Frontend

Open this folder in vscode

In vscode

Open termainal > npx command create react app



After sussccessfully created project

Open the react-app project folder in vscode that got created by npx

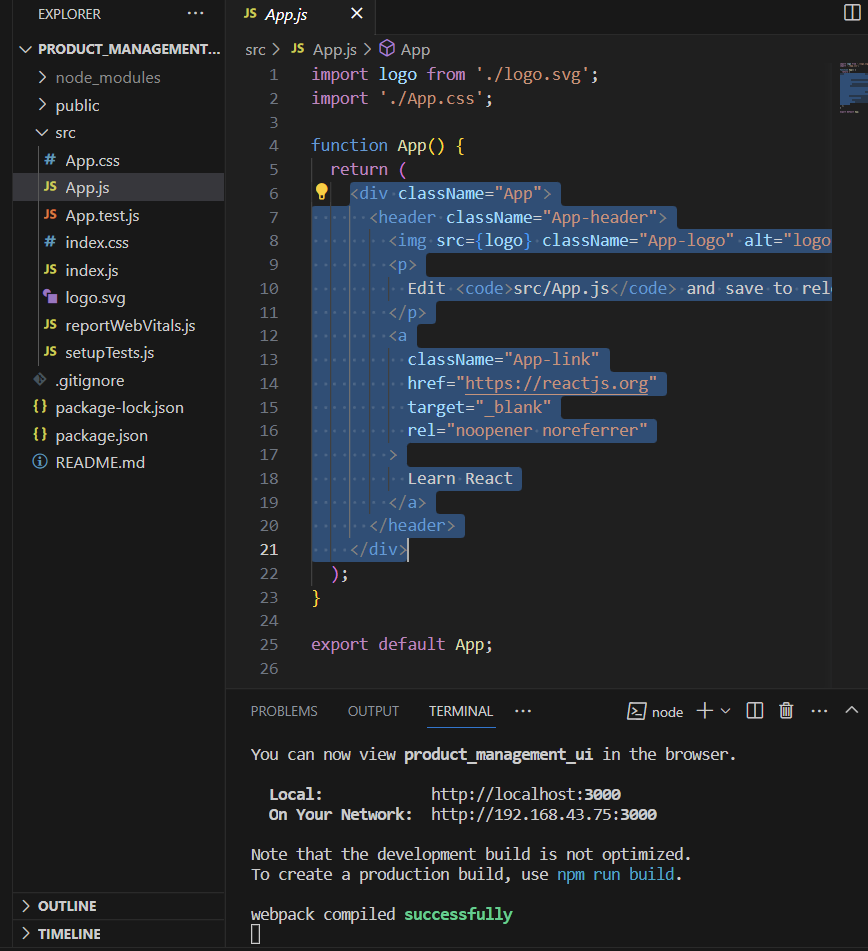
Open terminal> npm start

Remove from outer <div> from app.js

And remove log import

**REACT COMMENTS**

**{/\* map used- \*/}**



Inside index.html

Add css frop bootstrap 5 inside< head> last

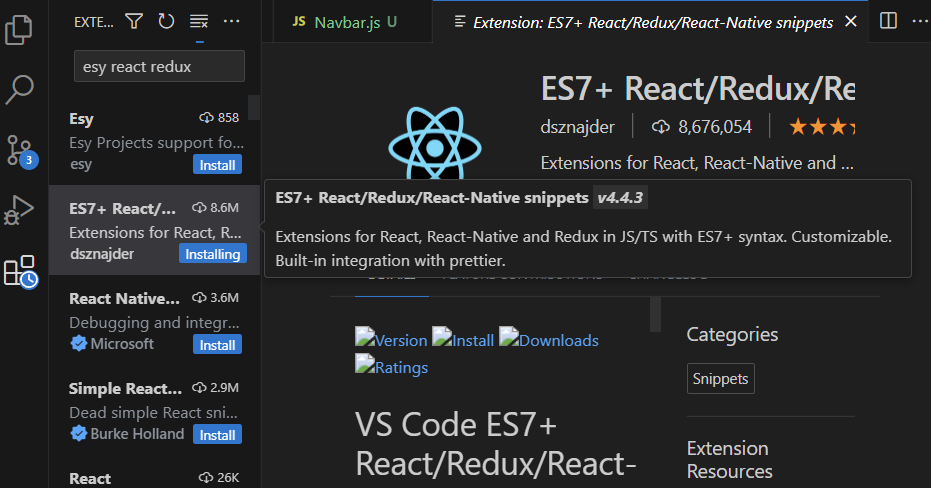
Add js budle from bootstrap 5 inside <body> last

Now create a navbar

Create folder as component in src folder

Component folder> Navbar.js

In Navbar.js



write rafce

Go to bootstrap5 and copy navbar

And paste it in navbar.js

Remove <form> tag at last giving errrr

Clode hr tag />

Open APP.js

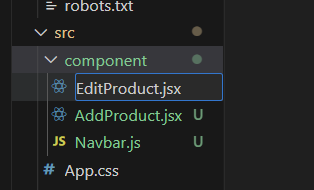
<Navbar/> there

Remove un necessary items <li>

Add 2 li

Add more files in src>component folder

With .jsx file extention

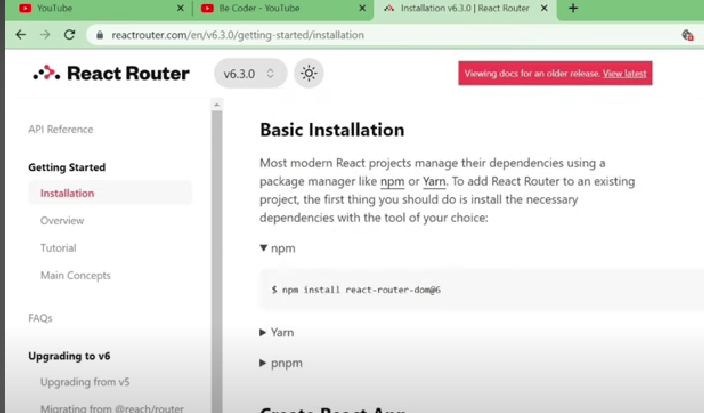


**FOR USING ROUTING CONCEPT**

INSTALL ROUTER

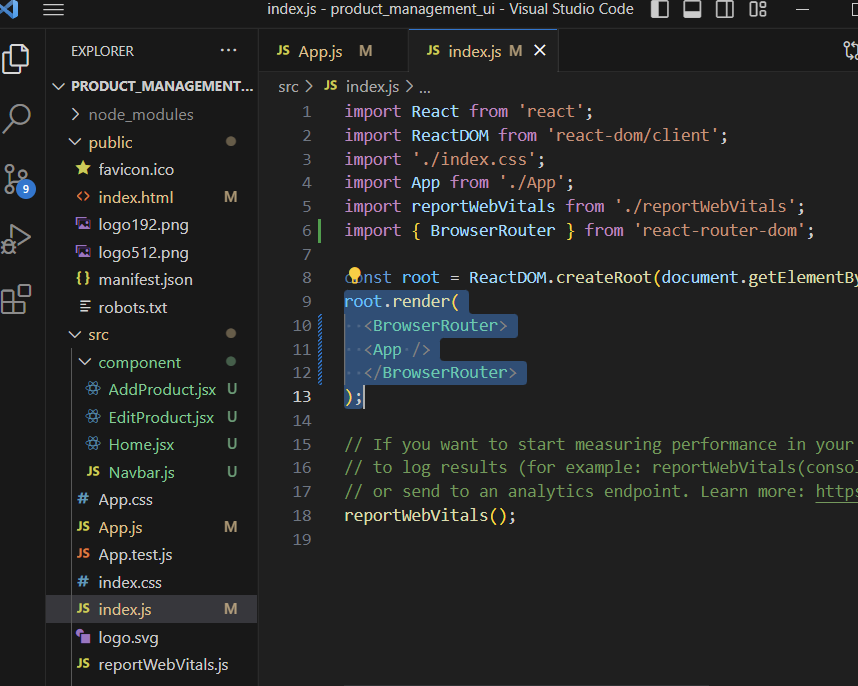
SEARCH REACT ROUTER IN GOOGLE

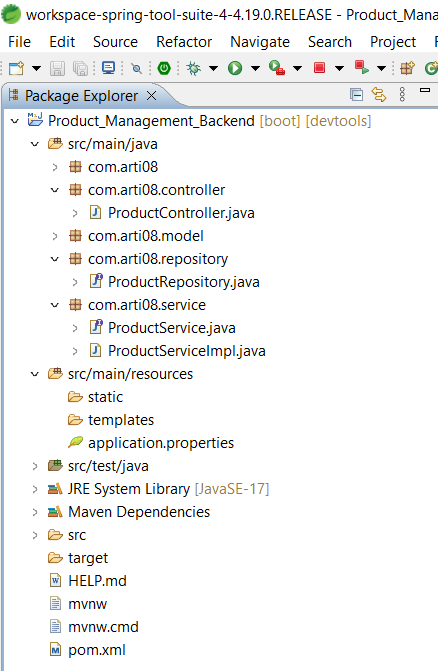
Reactroiuter.com version 6



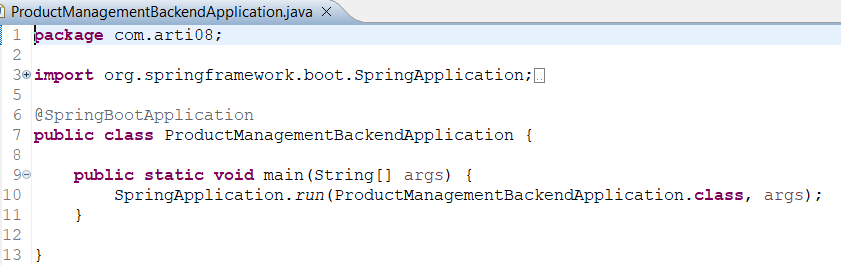
Open new terminal and install by entering cmnd

OPEN index.js

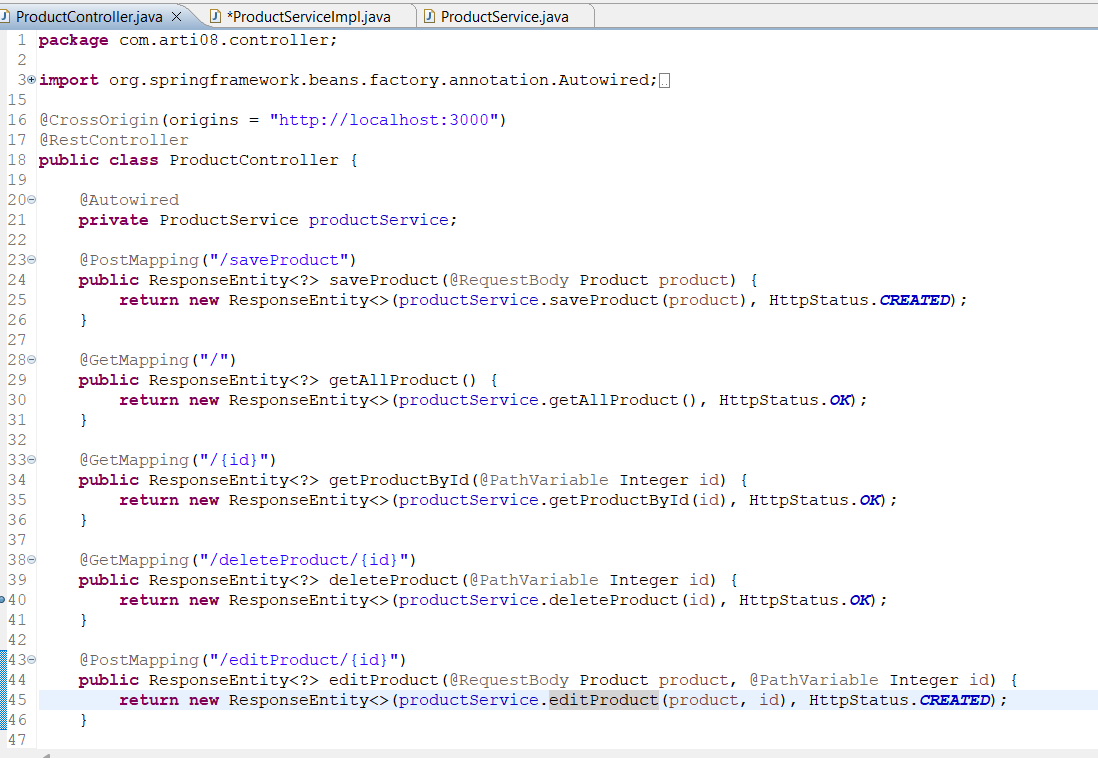




#### **ProductManagementBackendApplication.java**

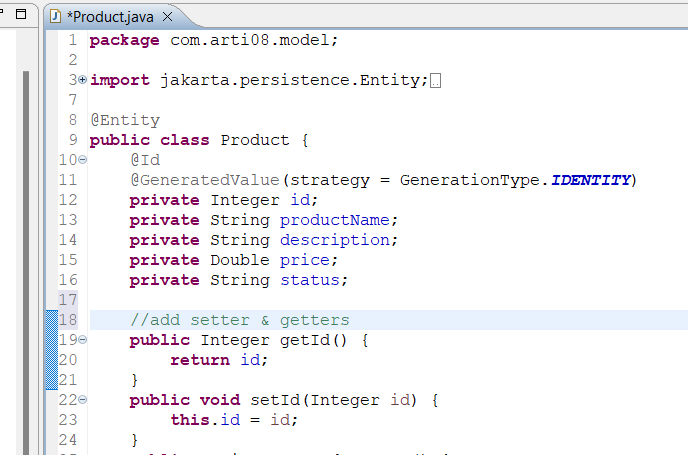


#### **ProductController.java**

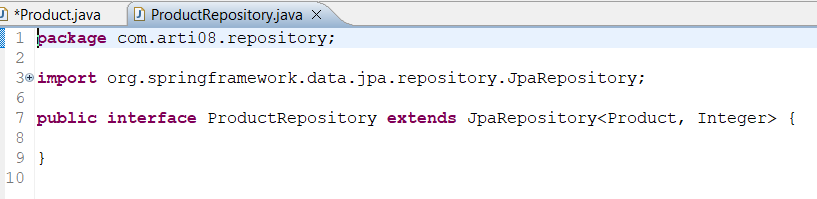


#### **Product.java**

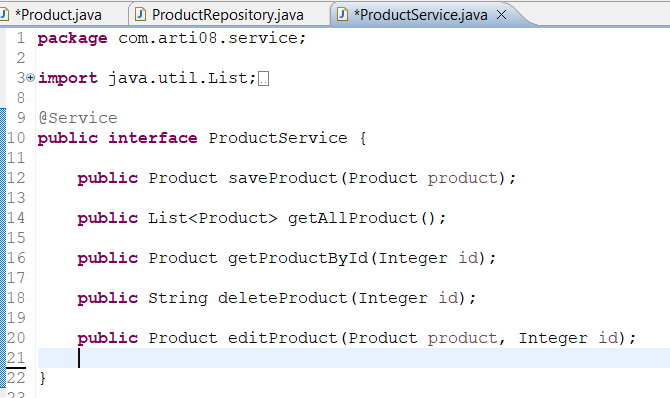
Add getter and setter to all



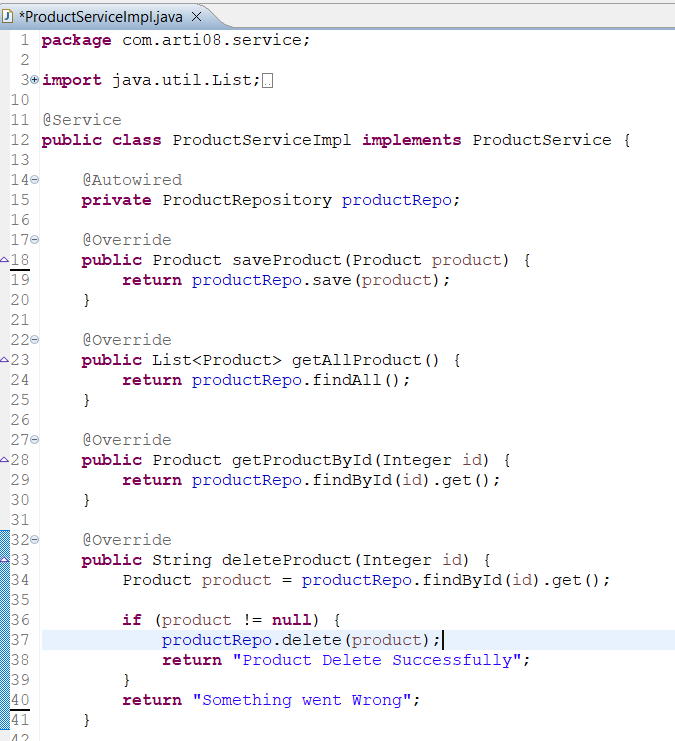
#### **ProductRepository.java**

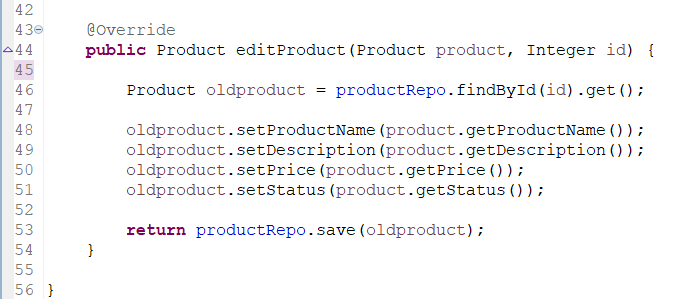


#### **ProductService.java**

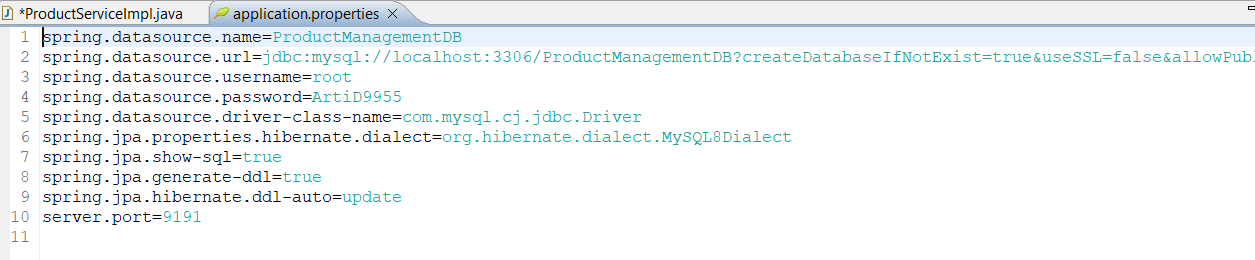


#### **ProductServiceImpl.java**

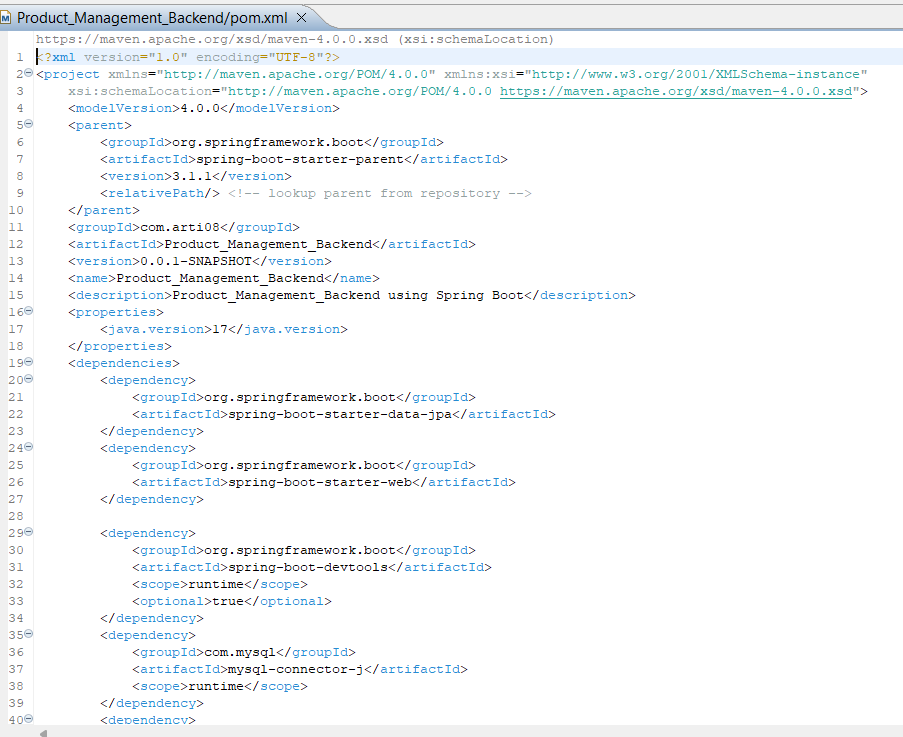


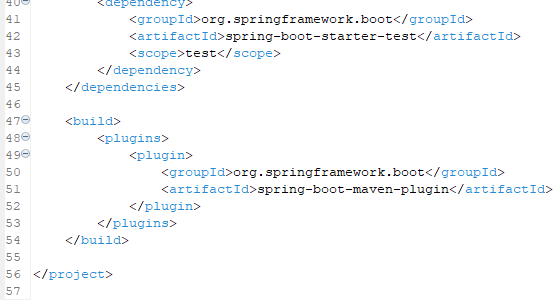


#### **application.properties**

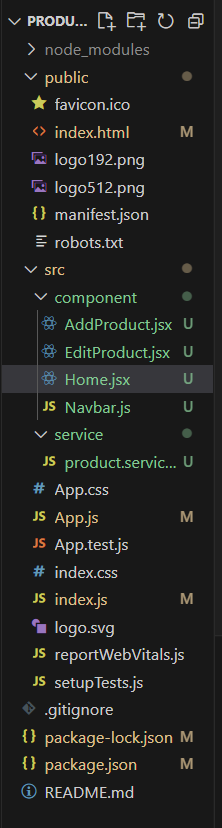


#### **pom.xml**





### **Product Management System Frontend Source Code**



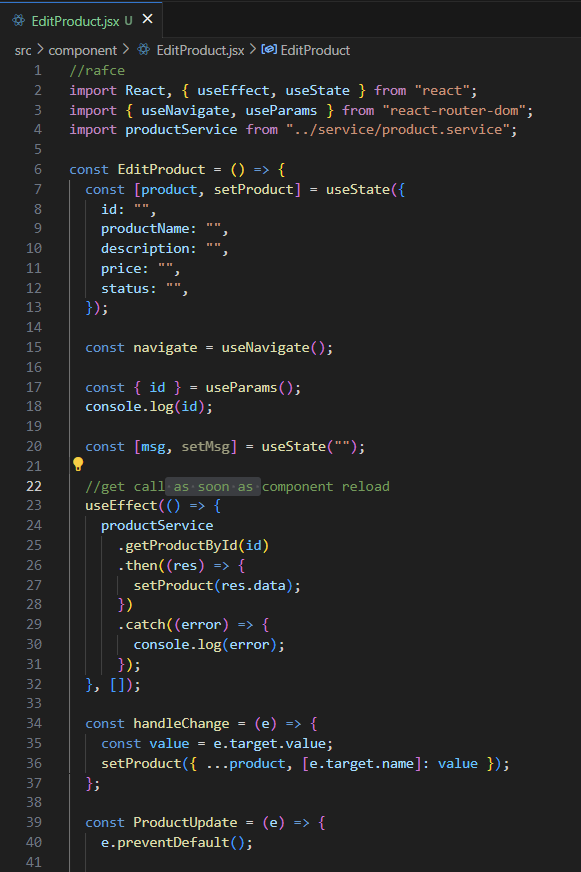
#### **AddProduct.jsx**







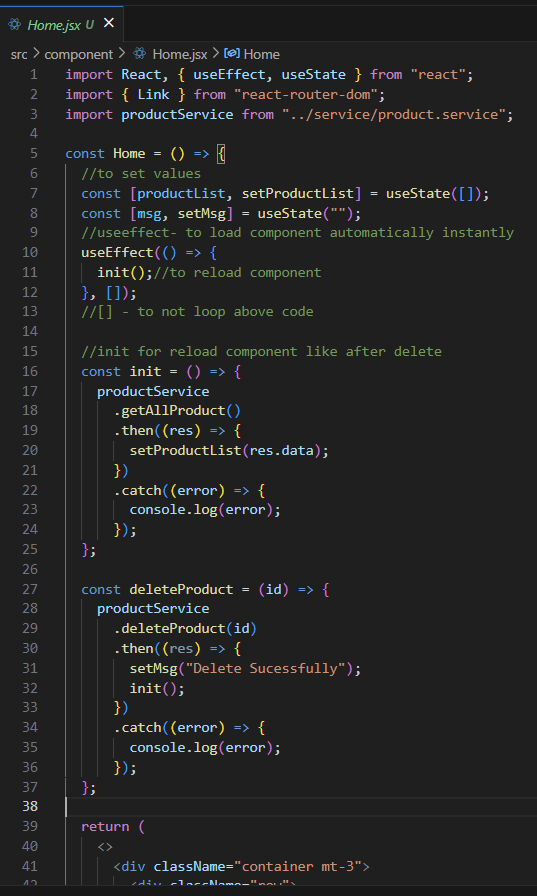
#### **EditProduct.jsx**





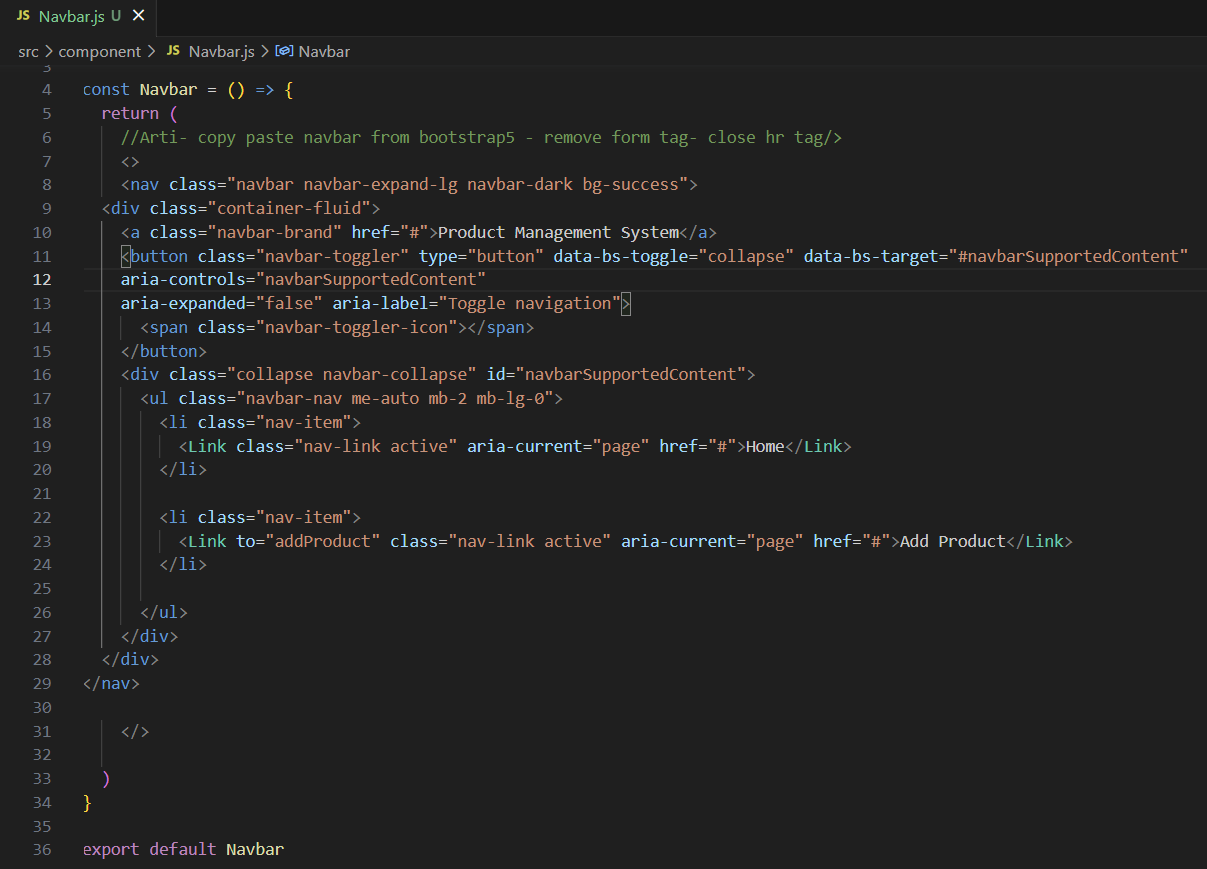


#### **Home.jsx**





#### **Navbar.js**



TO CALL REST APIS FROM FRONT END

**INSTALL AXIOS**

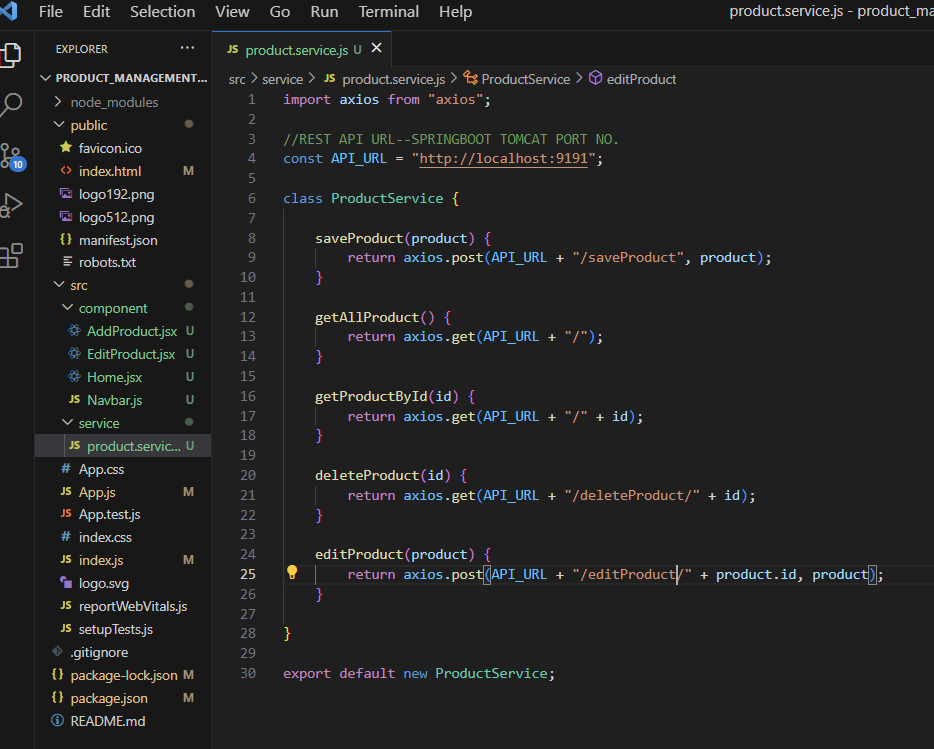
**OPEN TERMINAL> npm install axios**

**Create new folder**

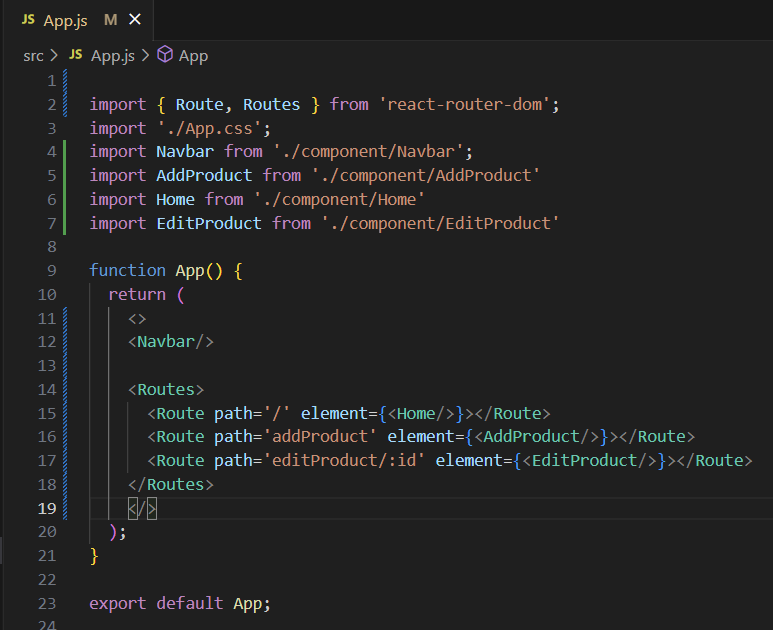
**Src>service**

**New file>product.service.js**

#### **product.service.js**



#### **App.js**

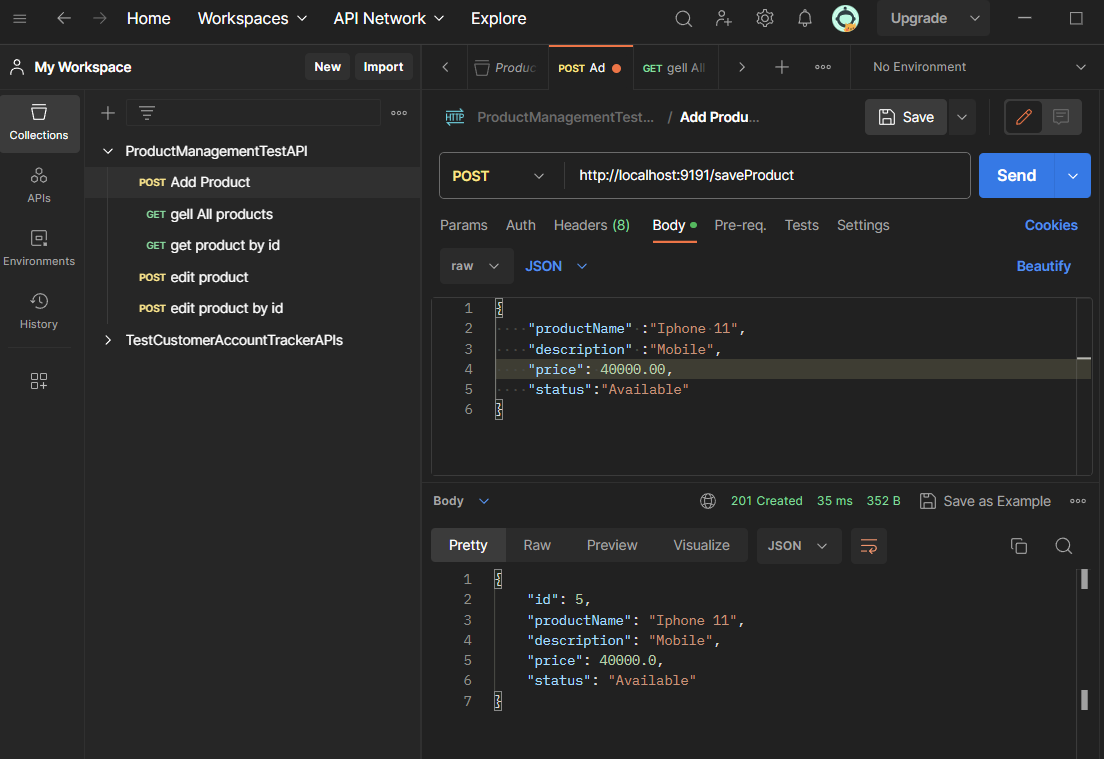


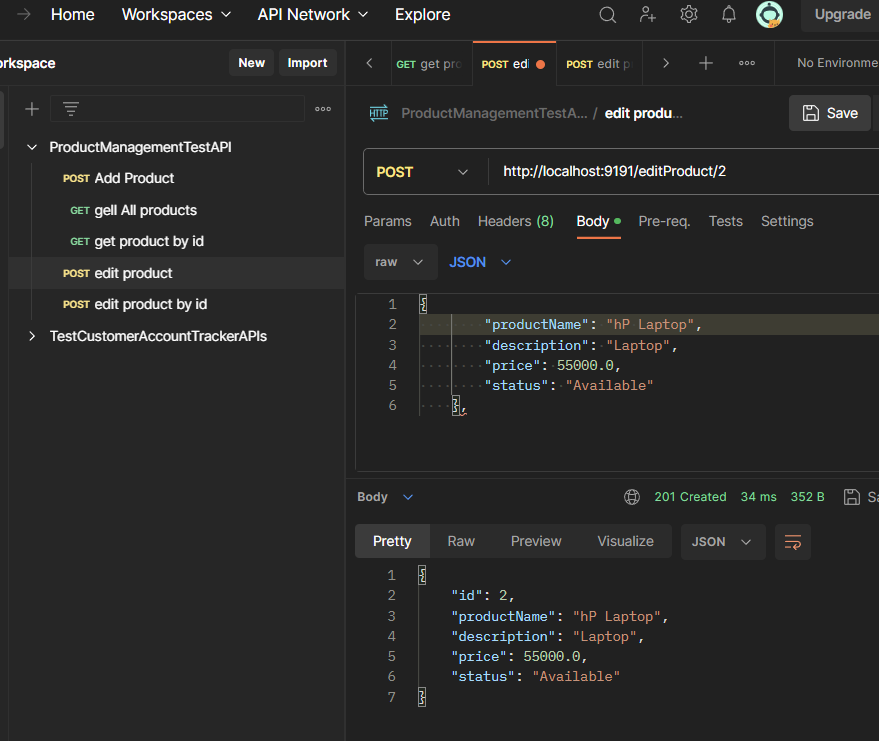
#### **package.json**

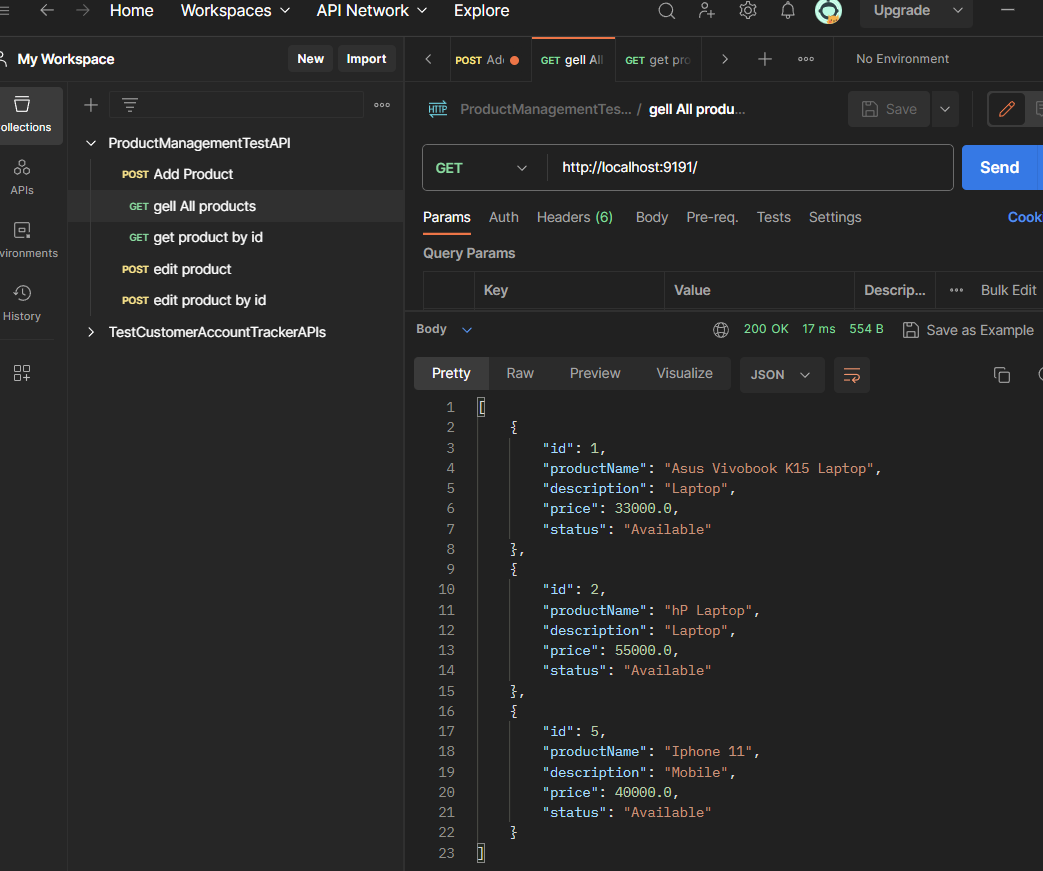


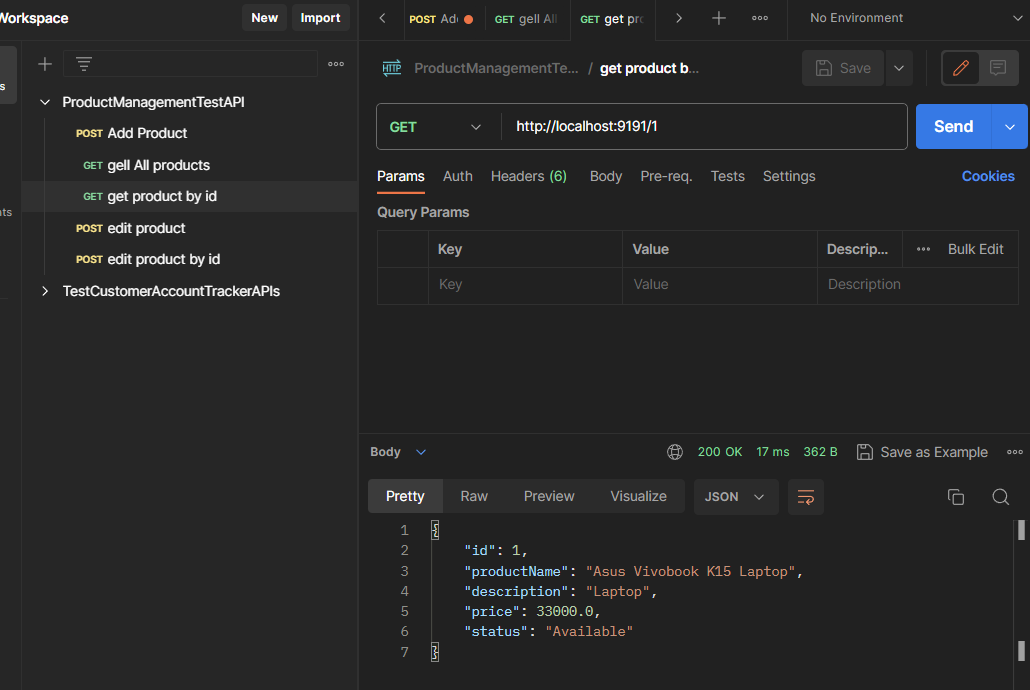
OUTPUT:

POSTMAN TO TEST API



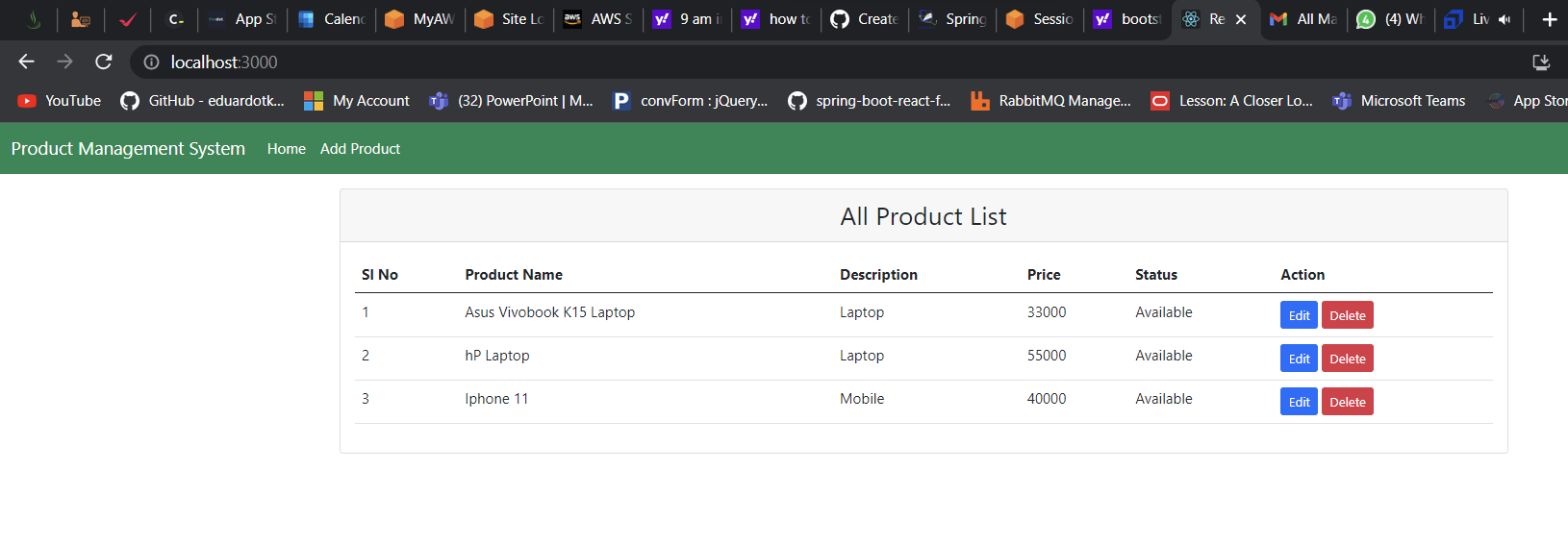


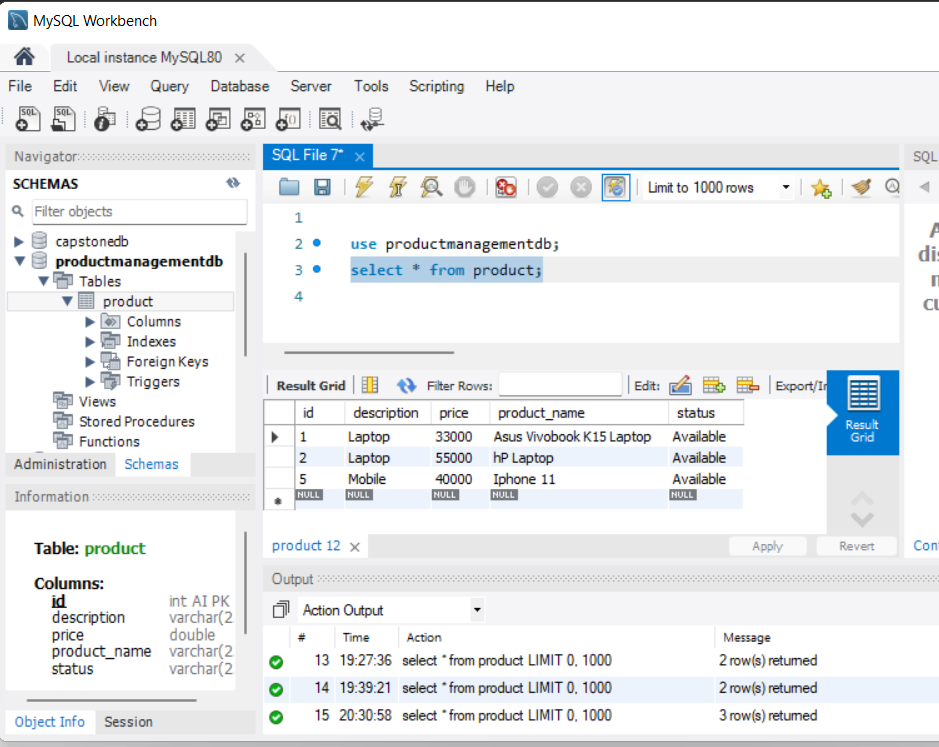




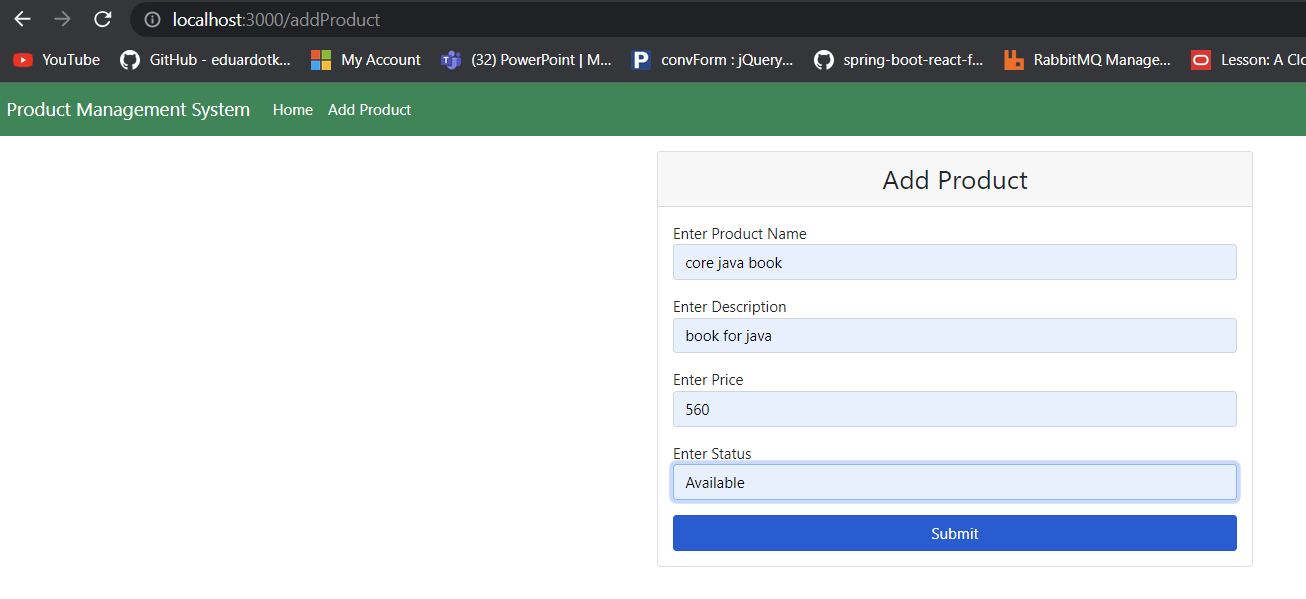
OUTPUT ON BROWSER

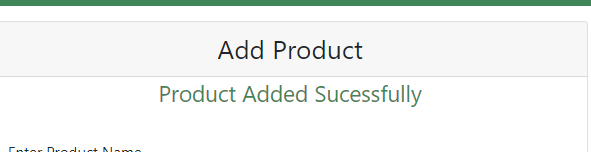
LOCALHOST:3000 (REACT APP RUNNING)

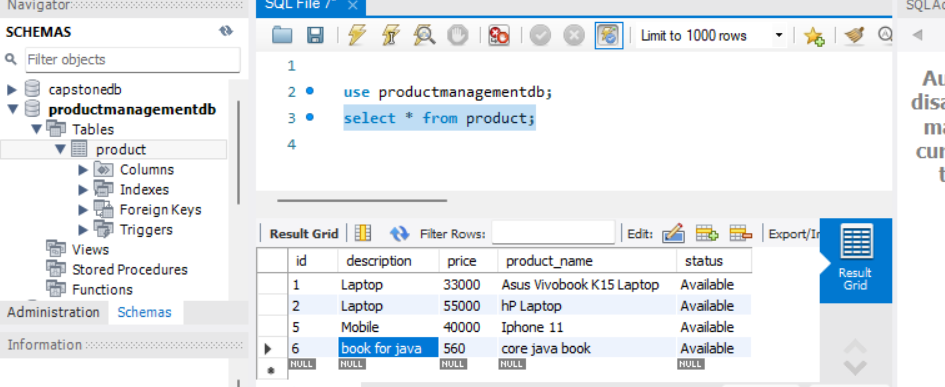


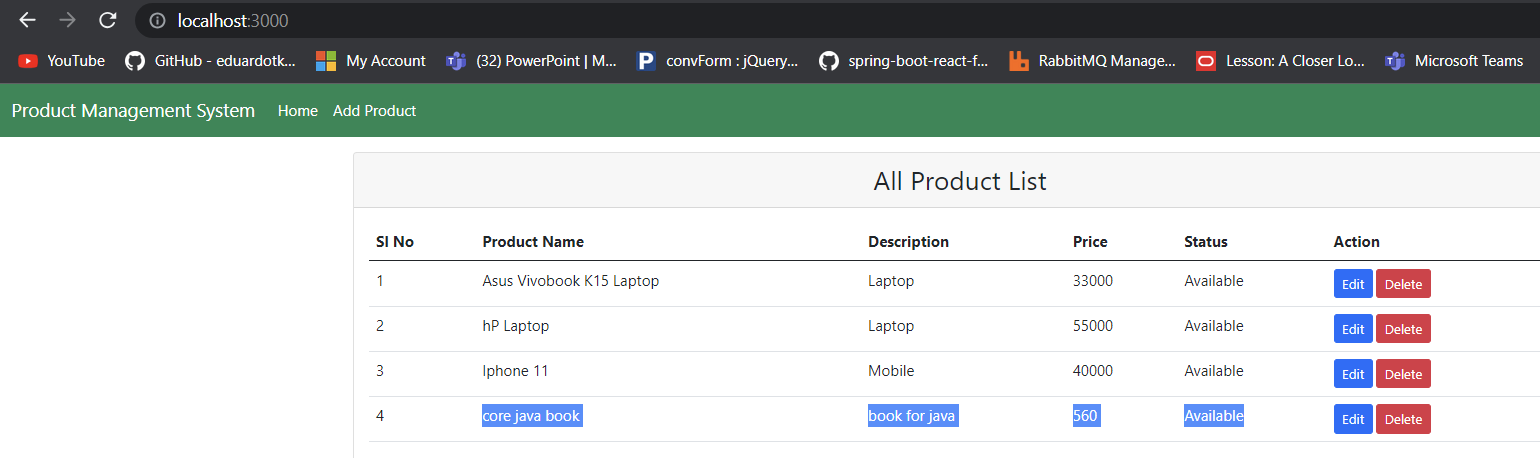


WHEN CLICKED ON Add Product link









EDIT

