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Project Name: Capstone Project

Description: A dynamic e-commerce website for online shopping of groceries.

Technologies:

* VS Code
* Notepad++
* Amazon Web Services, EC2 (Ubuntu) Instance (Host mean stack website for free)
* Docker (Containerizing the angular application)
* Node JS
* Angular (Frontend)
* MongoDB (Database)
* Express JS (Backend)
* Nginx Server
* Putty and PuttyGen
* Git and Github (Version control and project management)
* Postman and RestEasy (Making API requests)

GitHub Links:

* Front-end Angular Application: <https://github.com/PhekoK/capstone-project.git>
* Backend Express Server: <https://github.com/PhekoK/server.git>

Public IPv4 DNS:

* http://ec2-3-142-197-13.us-east-2.compute.amazonaws.com:80

Screenshots Creating Project – From Development to Production.

1. Development

* Backend – Express Server.

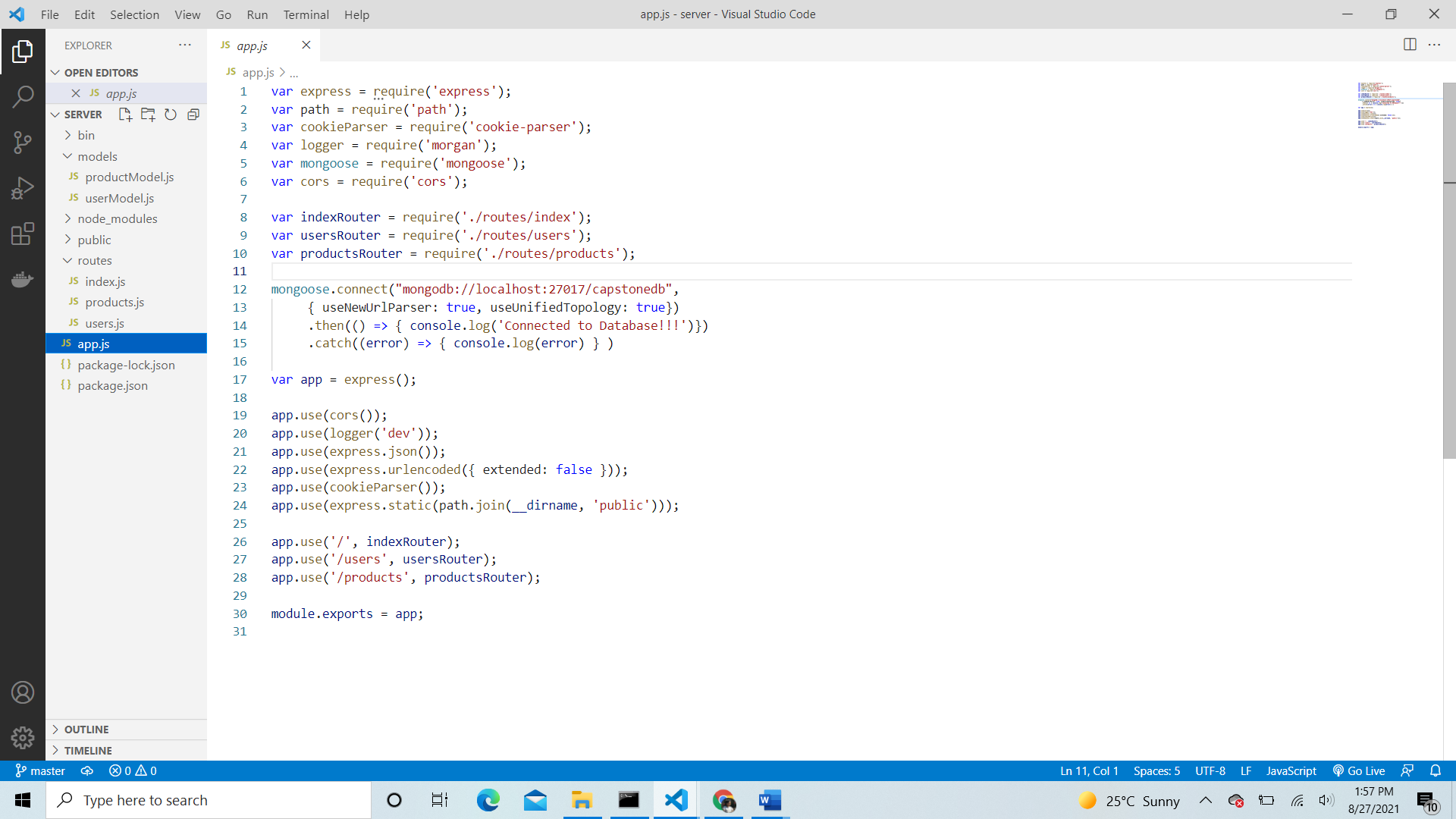
Graphical user interface, text, application

Description automatically generated

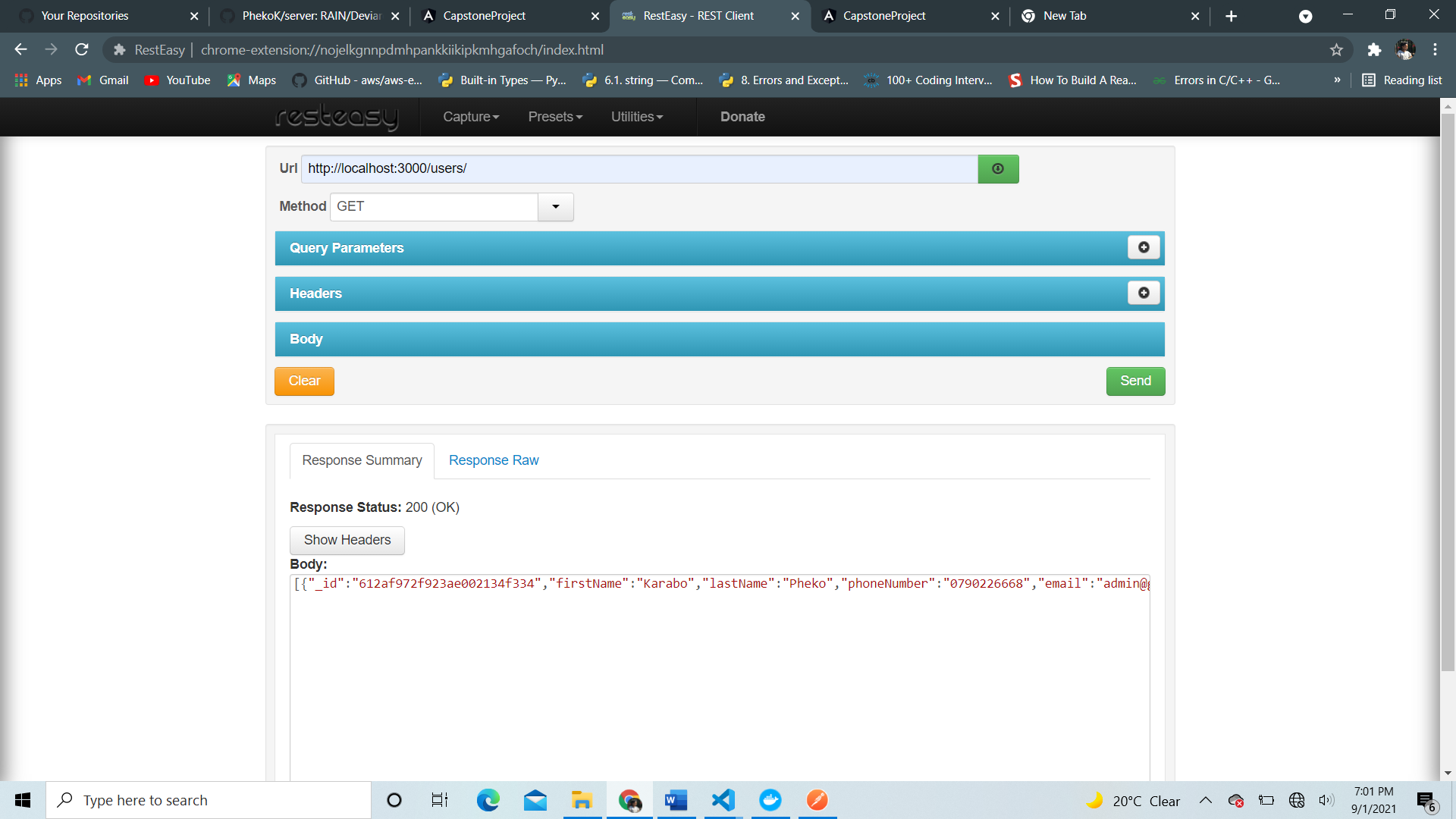


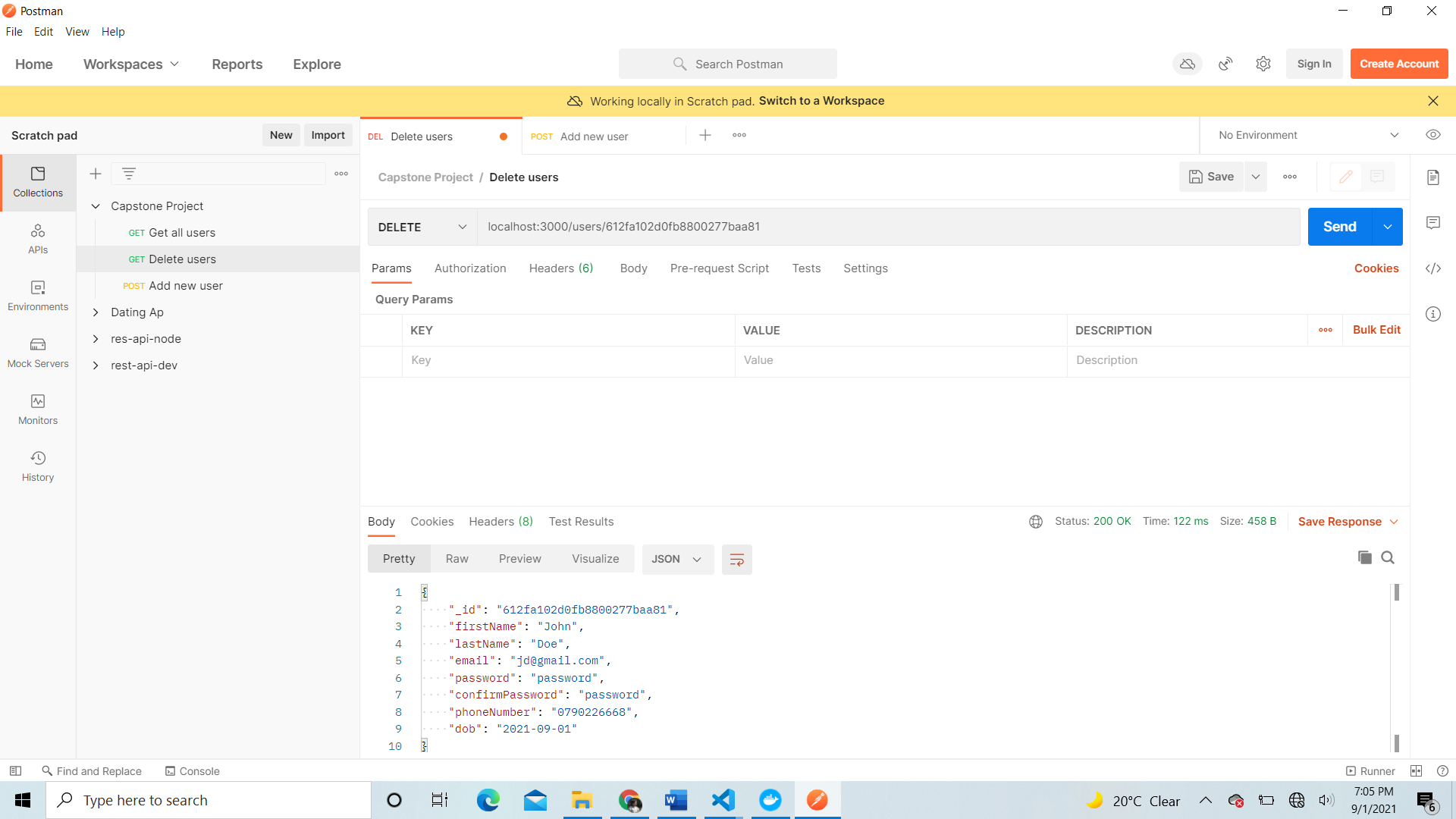


* app.js containing middleware



* API Requests – Used Postman and RestEasy to ensure API calls are working.





* Frontend – angular application
* User Portal
* Product viewing/catalogue page

Graphical user interface, website

Description automatically generated

* Login page

Graphical user interface, text, application

Description automatically generated

* Register page

A screenshot of a computer

Description automatically generated with medium confidence

* Shopping cart (if cart is not empty)

Graphical user interface

Description automatically generated

* Shopping cart (if cart is empty)

Graphical user interface, text, application

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* Checkout page (takes billing information of user)

A screenshot of a computer

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* Invoice page

Graphical user interface, text

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A picture containing text, screenshot, monitor, indoor

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* Admin portal
* Admin dashboard – product overview and manage users

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* Product add page – admin can add a new product in product catalogue

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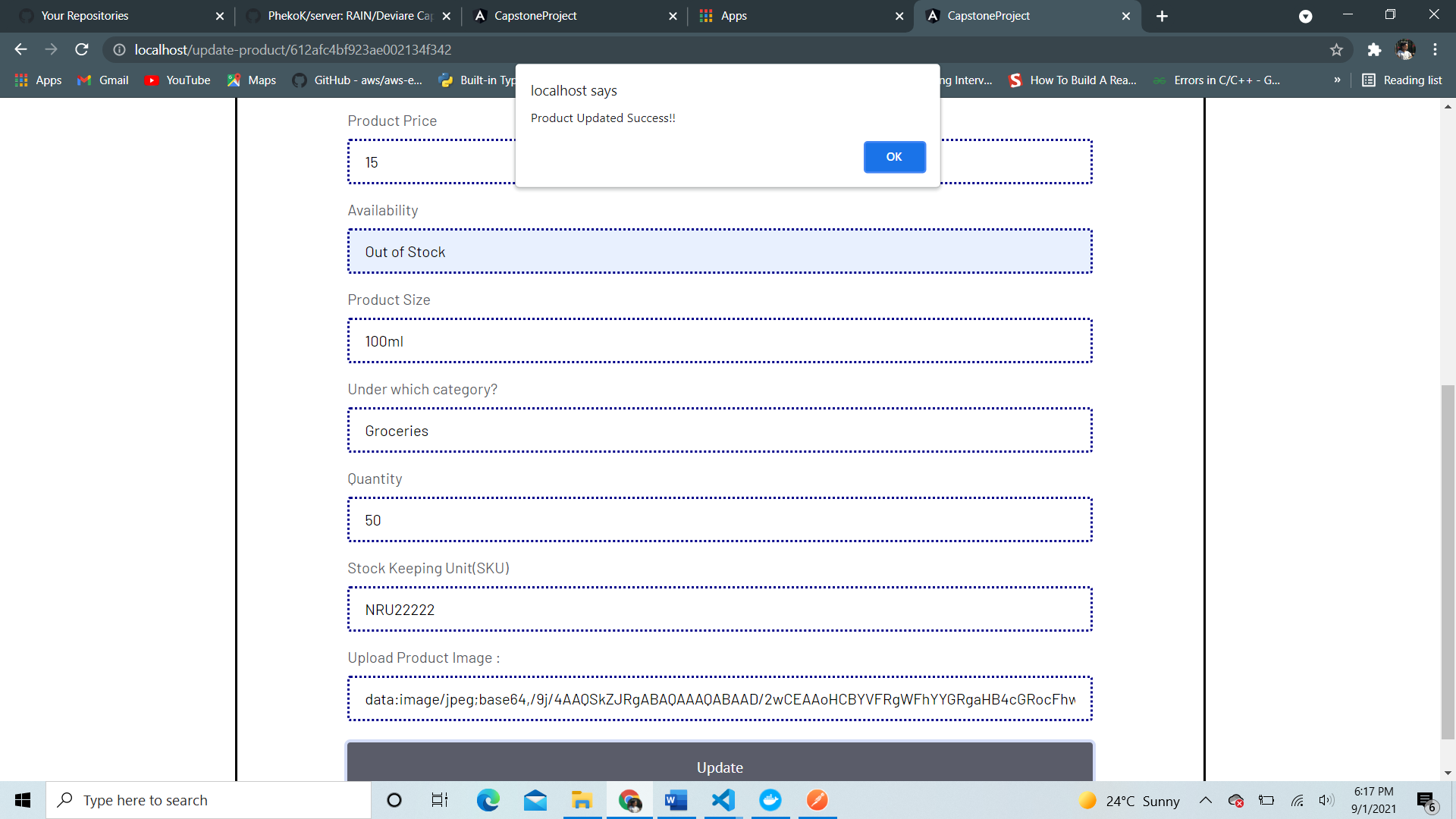
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* Delete existing items from product

Graphical user interface, text, application

Description automatically generated

* Update existing products



1. Production

* Containerize application using Docker
* Host to AWS EC2 instance