

AMAZONA

An e-commerce Website

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Website Overview

AMAZONA is an E-commerce website built using the following

- Front End : Angular - A free open source web application framework.
- Back End :
 - A. Node JS - An Open-source , backend javaScript environment
 - B. MongoDB - A source available for database program
- Postman - Used for API testing

Technology Stack and versions

Package	Version
@angular-devkit/architect	0.1301.1
@angular-devkit/build-angular	13.1.1
@angular-devkit/core	13.1.1
@angular-devkit/schematics	13.1.1
@angular/cli	13.1.1
@angular/flex-layout	13.0.0-beta.36
@schematics/angular	13.1.1
rxjs	7.4.0
typescript	4.5.3

Postman testing

Postman

HomeWorkspacesAPI NetworkReportsExplore

Search Postman

Invite

Upgrade

My Workspace

NewImport

Collections

APIs

Environments

Mock Servers

Monitors

Flows

History

Purchase Order

Purchase Order

Overview

GETUntitled Request

POSThttp://localhost:5000/api/products/

GEThttp://localhost:5000/api/products/

+...No Environment

Save

Send

http://localhost:5000/api/products/

GET

http://localhost:5000/api/products/

Send

Params

Authorization

Headers(7)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers(9)

Test Results

Status: 200 OKTime: 84 msSize: 26.3 KB

Save Response

Pretty

Raw

Preview

Visualize

JSON

Copy

Search

1

2

3

4

5

6

7

8

9

10

11

12

13

{

"_id": "6200ba9d21b2955109767b19",

"name": "Jacket Men",

"slug": "sample-slug-1644214941030",

"image": "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTg70g8TC5IgxK3uF0EHkkdPbJKDPldiF0w&usqp=CAU",

"brand": "sample brand",

"category": "Jackets",

"description": "sample description",

"price": 80,

"countInStock": 8,

"rating": 0,

"numReviews": 0,

Find and Replace

Console

Capture requests and cookies

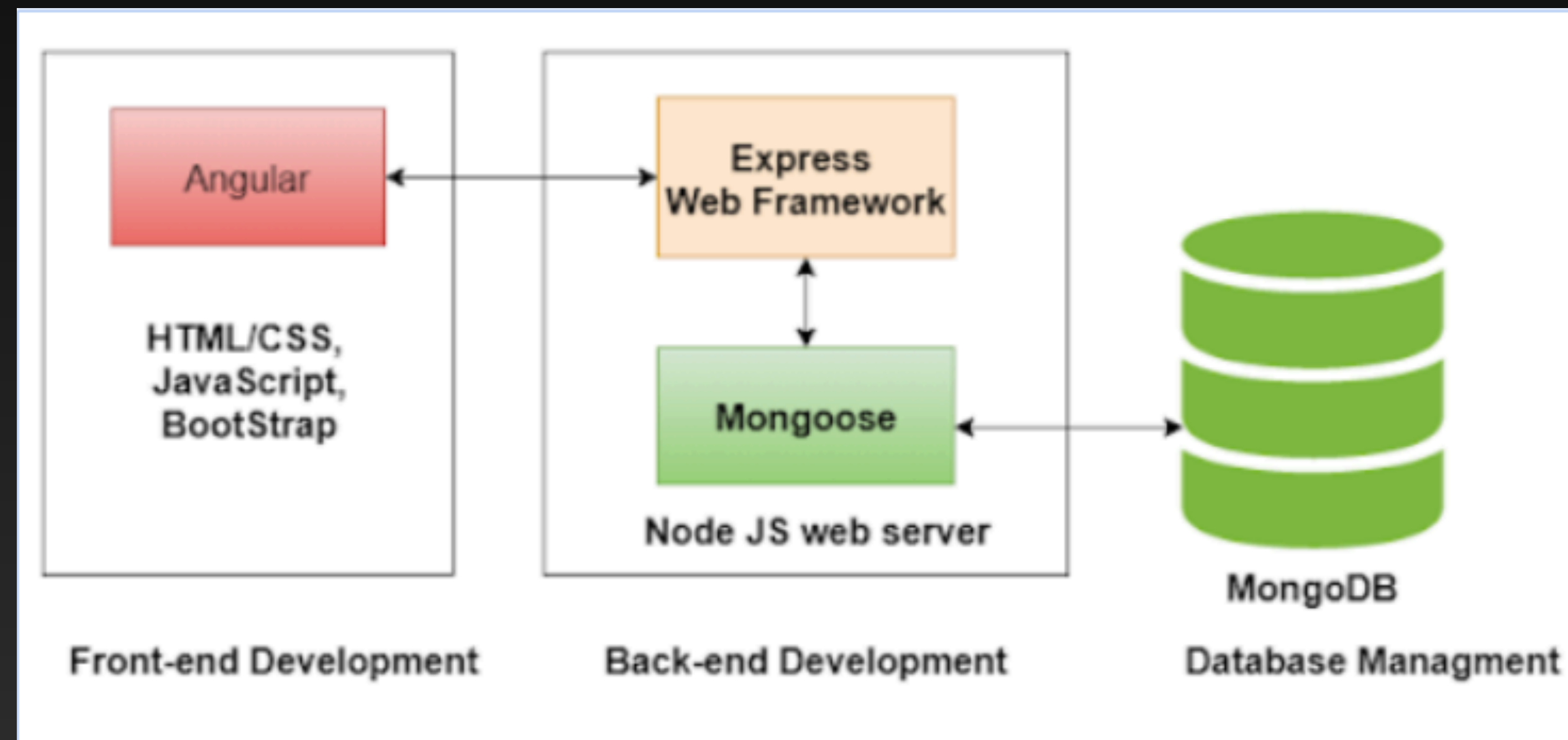
Bootcamp

Runner

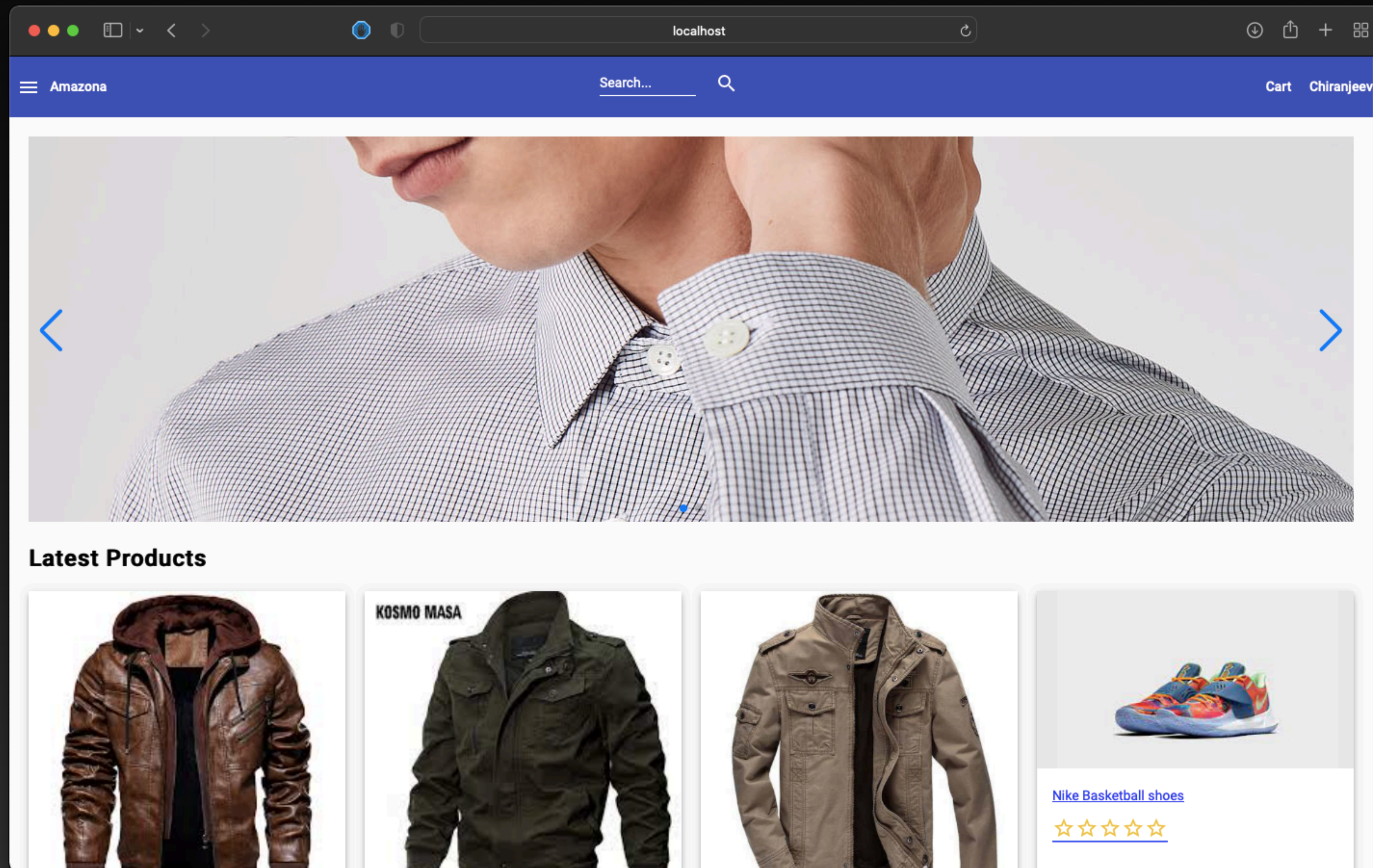
Trash

Help

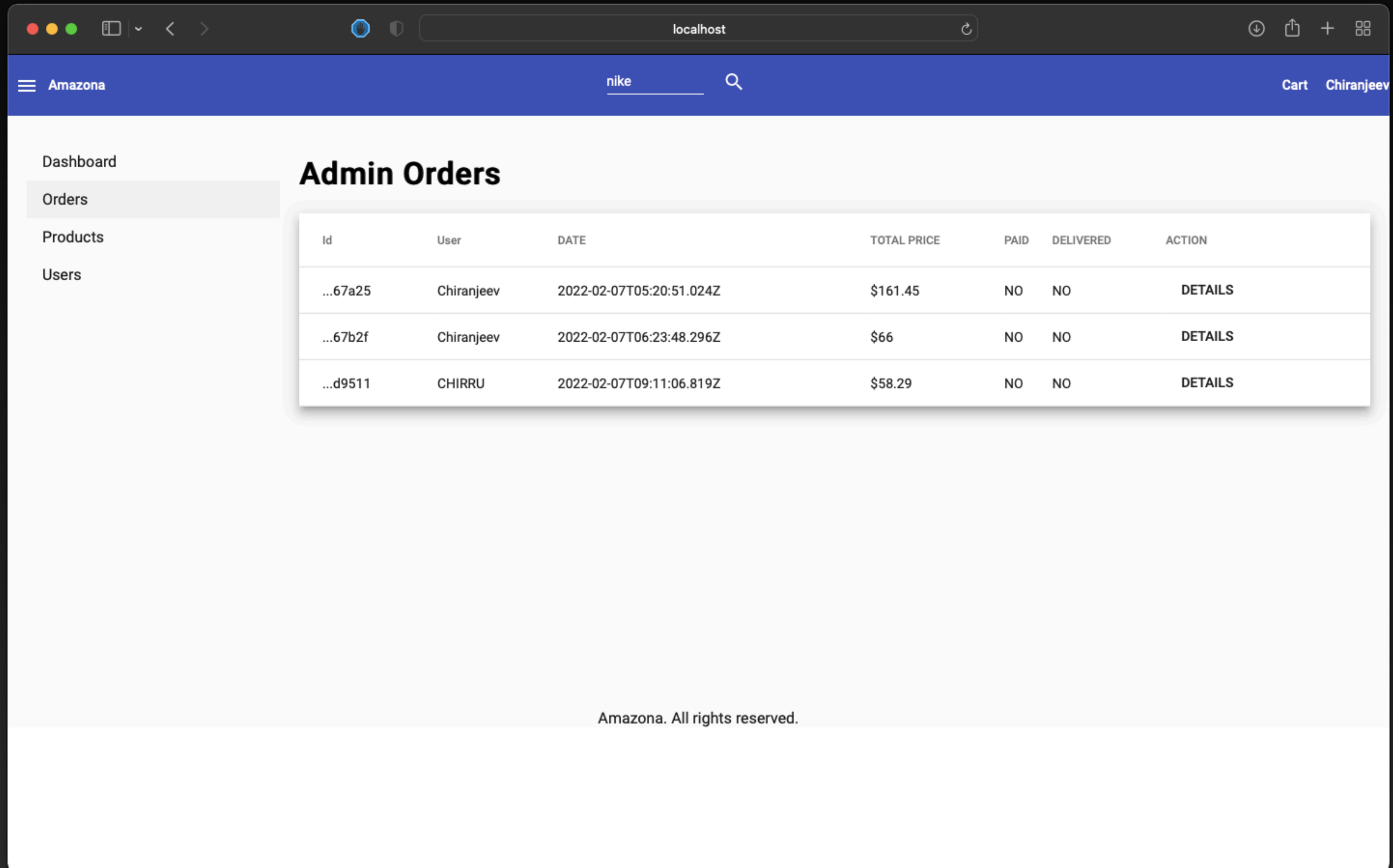
END TO END DIAGRAM



Website Screenshot



Website ADMIN page



Dashboard

Orders

Products

Users

Admin Products

Create Product

Id	name	price	category	brand	countInStock	ACTIONS	
...67b19	Jacket Men	\$80	Jackets	sample brand	8	EDIT	DELETE
...67b12	Assassin Jacket	\$600	Jackets	sample brand	3	EDIT	DELETE
...67b0b	Jackets Men	\$70	Jackets	sample brand	5	EDIT	DELETE
...67b01	Nike Basketball shoes	\$40	Sneakers	Nike	5	EDIT	DELETE
...67af2	Nike High Ankle Basketball shoes	\$100	Sneakers	Nike	0	EDIT	DELETE
...67aeb	Nike Travish Scott Retro	\$800	Sneakers	Nike	10	EDIT	DELETE
...67ae4	Nike Travish Scott	\$200	Sneakers	Nike	10	EDIT	DELETE
...67ad9	Nike Shoes	\$170	Sneakers	Nike	20	EDIT	DELETE
...67ab4	Formal Shirt	\$20	Shirts	sample brand	10	EDIT	DELETE
...67aad	Nike T-shirt	\$23.1	Shirts	Nike	10	EDIT	DELETE
...67aa6	Shirt Checks	\$10.2	Shirts	sample brand	100	EDIT	DELETE
...67a9f	Ajio Shirt	\$10.2	Shirts	Ajio	30	EDIT	DELETE
...67a8c	Asset Shirt	\$7.69	Shirts	Asset	20	EDIT	DELETE
...67a10	Nike Air Jordans 1	\$123.45	Sneakers	Nike	30	EDIT	DELETE

Challenges Faced During Application Development

- Choosing the appropriate Technology Stack
- Web Security – Authorization and Authentication
- Token Generation
- Using Tables with Angular materials
- Observables and their usage

Learning Outcome

- The Angular CLI
- Authorization and Authentication - Role based Access Control
- Token Generation
- Use of local storage and session storage
- Connection of MongoDB using Node.js
- Postman and API Testing

THANKYOU