



DELL FSD – Sporty Shoes Project

By

Prasanth Chandrasekar

TABLE OF CONTENTS

S.No	Content	Page Number
1	Problem Statement	3
2	Sprints and the User Stories	3
3	Jira User Story	5
4	Jira Sprint	5
5	Tools used in the project	6
6	Hierarchy of Codes	6
7	Exception Handling	7
8	Entity and Tables	7
9	Tables Created in Database	7
10	Screenshots showing completion of Project requirement	8
11	Git Screenshots	11
12	GitHub Screenshots	11
13	GitHub Repository Link for source Code and other Project related Files	12



Problem Statement:

Sporty Shoes is a company that manufactures and sells sports shoes. They have a walk-in store, and now, they wish to launch their ecommerce portal sportyshoes.com.

You're asked to develop a prototype of the application. It will be then presented to the relevant stakeholders for budget approval. Your manager has set up a meeting where you're asked to do the following:

- Presenting the specification document which has the product's capabilities, appearance, and user interactions
- Setting up Git and GitHub account to store and track your enhancements of the prototype
- Explaining the Java concepts used in the project
- Discussing the generic features of the product:
- There will be an admin to manage the website. An administrator login will be required to access the admin page.

The admin should be able to change his password if he wants, he should be able to:

- Manage the products in the store including categorizing them
- Browse the list of users who have signed up and be able to search users
- See purchase reports filtered by date and category

Sprints and the User Stories:

Sprint-1: (One week)

- **User Story-1** : As an Administrator, I want to have an option to create Users, so that i can set up a master list of Users
- **User Story-2** : As an Administrator, I want to have an option to create Products, so that i can set up a master list of Products
- **User Story-3** : As an Administrator, I want to have an option to view Users, so that i can view a User by Id and also a list of Users.
- **User Story-4** : As an Administrator, I want to have an option to view Products, so that i can view a Product by Id
- **User Story-5** : As an Administrator, I want to have an option to view Products, so that i can view a list of Products.



- **User Story-6 :** As an Administrator, I want to have an option to view Users, so that i can view a User by Id..
- **User Story-7 :** As an Administrator, I want to have an option to view Users, so that i can view a list of Users.
- **User Story-8 :** As an Administrator, I want to have an option to view Products, so that i can view a Product by Category.
- **User Story-9 :** As an Administrator, I want to have an option to update Users, so that i can modify a User by Id.
- **User Story-10 :** As an Administrator, I want to have an option to update Products, so that i can modify a Product by Id.

Sprint-2:(one week)

- **User Story-1 :** As an Administrator, I want to have an option to delete Users, so that i can remove Users whenever they are not required.
- **User Story-2 :** As an Administrator, I want to have an option to delete Products, so that i can remove Products whenever they are not required.
- **User Story-3 :** As an Administrator, I want to have an option to map Products to Users via purchase, so that i can map Products to Users whenever the User purchases Products.
- **User Story-4 :** As an Administrator, I want to have an option to reset or change my password, so that i can change or update password whenever required.
- **User Story-5 :** As an Administrator, I want to have an option to view purchase report by Date, so that i can see the purchase reports for analysis.
- **User Story-6 :** As an Administrator, I want to have an option to view purchase report by Category, so that i can see the purchase reports for analysis by Category.



DELL FSD PROJECT – Sporty Shoes – Prasanth Chandrasekar

Jira User Story – Agile Scrum :

Jira Sprint– Agile Scrum :

Tools used in the Project:

Programming Language and related	Java, JavaScript, TypeScript, Angular, SpringBoot, Angular, TypeScript, html, css, bootstrap
IDE	Eclipse, Microsoft Visual Code
Database	H2 – persistent DB
Version Control System	Git & GitHub
Software Development Methodology	Agile - Scrum - Jira



SPORTY SHOES

DELL FSD PROJECT – Sporty Shoes – Prasanth Chandrasekar

Hierarchy of codes developed:

The screenshot displays the Eclipse IDE interface for the 'sportyShoes' project. The left pane (Project Explorer) shows the project structure, including the 'src/main/java' directory with packages like 'com.sportyShoes', 'com.sportyShoes.controller', 'com.sportyShoes.model', 'com.sportyShoes.repository', 'com.sportyShoes.service', and 'com.sportyShoes.service.impl'. The right pane (Explorer) shows the file hierarchy, including 'update-product', 'update-user', 'app-routing.module.ts', 'app.component.css', 'app.component.html', 'app.component.ts', 'app.component.spec.ts', 'app.module.ts', 'cart.service.ts', 'product.ts', 'product.service.ts', 'product.service.spec.ts', 'product.spec.ts', 'purchase.ts', 'purchase.service.ts', 'purchase.service.spec.ts', 'purchase.spec.ts', 'user.ts', 'user.service.ts', 'user.service.spec.ts', 'user.spec.ts', 'assets', and 'environments'.

Project Explorer (Left Pane):

- sportyShoes [boot]
 - src/main/java
 - com.sportyShoes
 - SportyShoesApplication.java
 - com.sportyShoes.controller
 - ProductController.java
 - PurchaseController.java
 - UserController.java
 - com.sportyShoes.model
 - Product.java
 - Purchase.java
 - User.java
 - com.sportyShoes.repository
 - ProductRepository.java
 - PurchaseRepository.java
 - UserRepository.java
 - com.sportyShoes.service
 - ProductService.java
 - PurchaseService.java
 - UserService.java
 - com.sportyShoes.service.impl
 - ProductServiceImpl.java
 - PurchaseServiceImpl.java
 - UserServiceImpl.java
 - META-INF
 - src/main/resources
 - src/test/java
 - JRE System Library [JavaSE-1.8]
 - Maven Dependencies
 - src
 - target
 - HELP.md
 - mvnw
 - mvnw.cmd

Explorer (Right Pane):

- update-product
- update-user
- TS app-routing.module.ts
- # app.component.css
- app.component.html
- TS app.component.ts
- TS app.component.spec.ts
- TS app.module.ts
- TS cart.service.ts
- TS cart.service.spec.ts
- TS product.ts
- TS product.service.ts
- TS product.service.spec.ts
- TS product.spec.ts
- TS purchase.ts
- TS purchase.service.ts
- TS purchase.service.spec.ts
- TS purchase.spec.ts
- TS user.ts
- TS user.service.ts
- TS user.service.spec.ts
- TS user.spec.ts
- assets
- environments

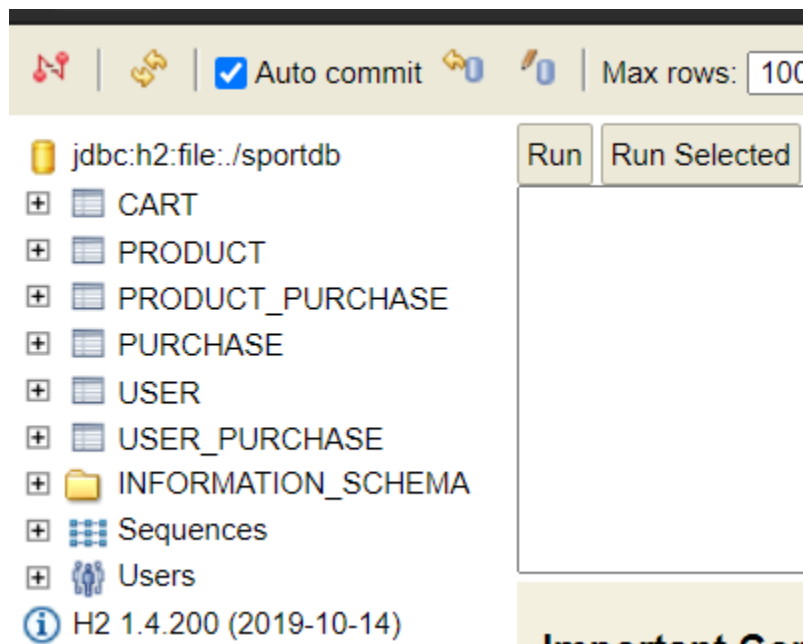
Exception Handling:

Some of the exceptions and errors are handled, so that the application won't close, exit or throw an exception.

Entity and Tables:

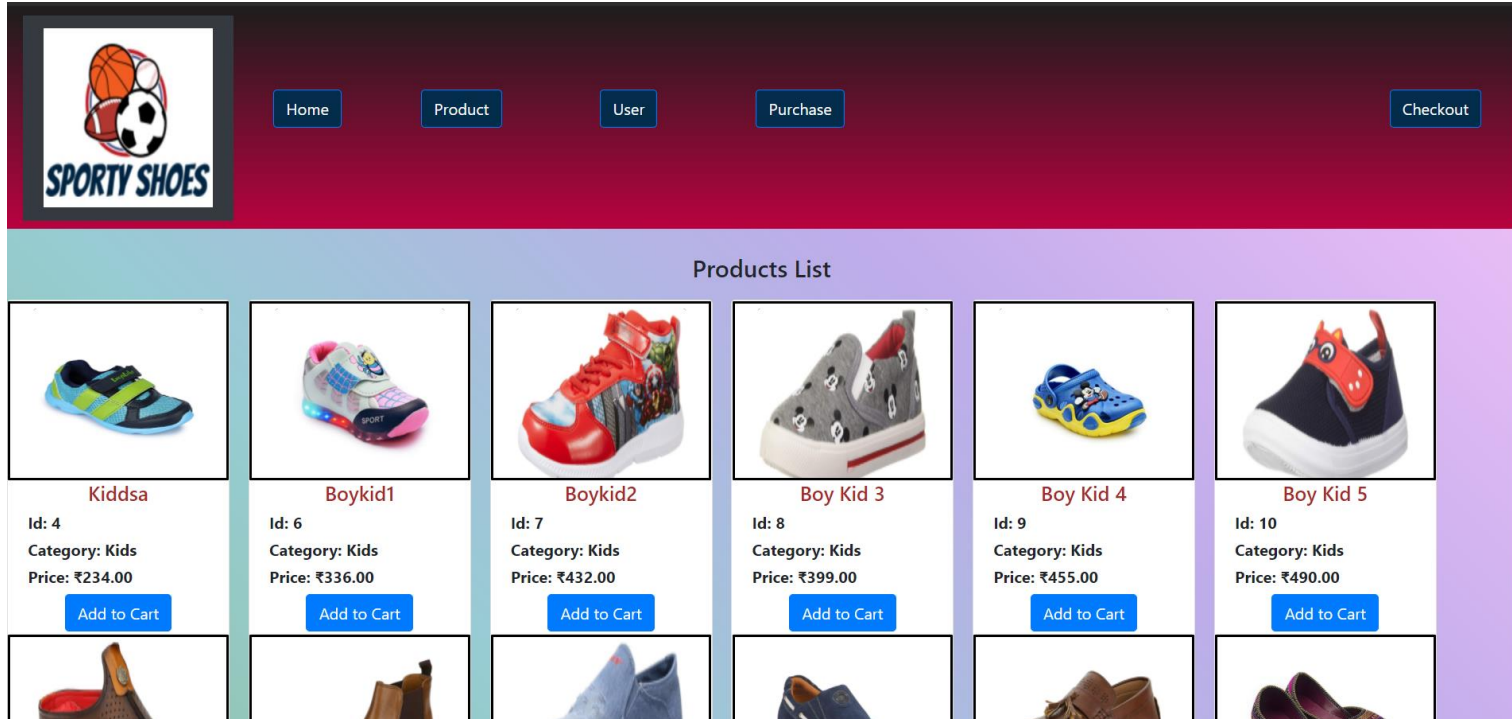
- 1) User
- 2) Product
- 3) Purchase
- 4) Cart

Tables created in Database:

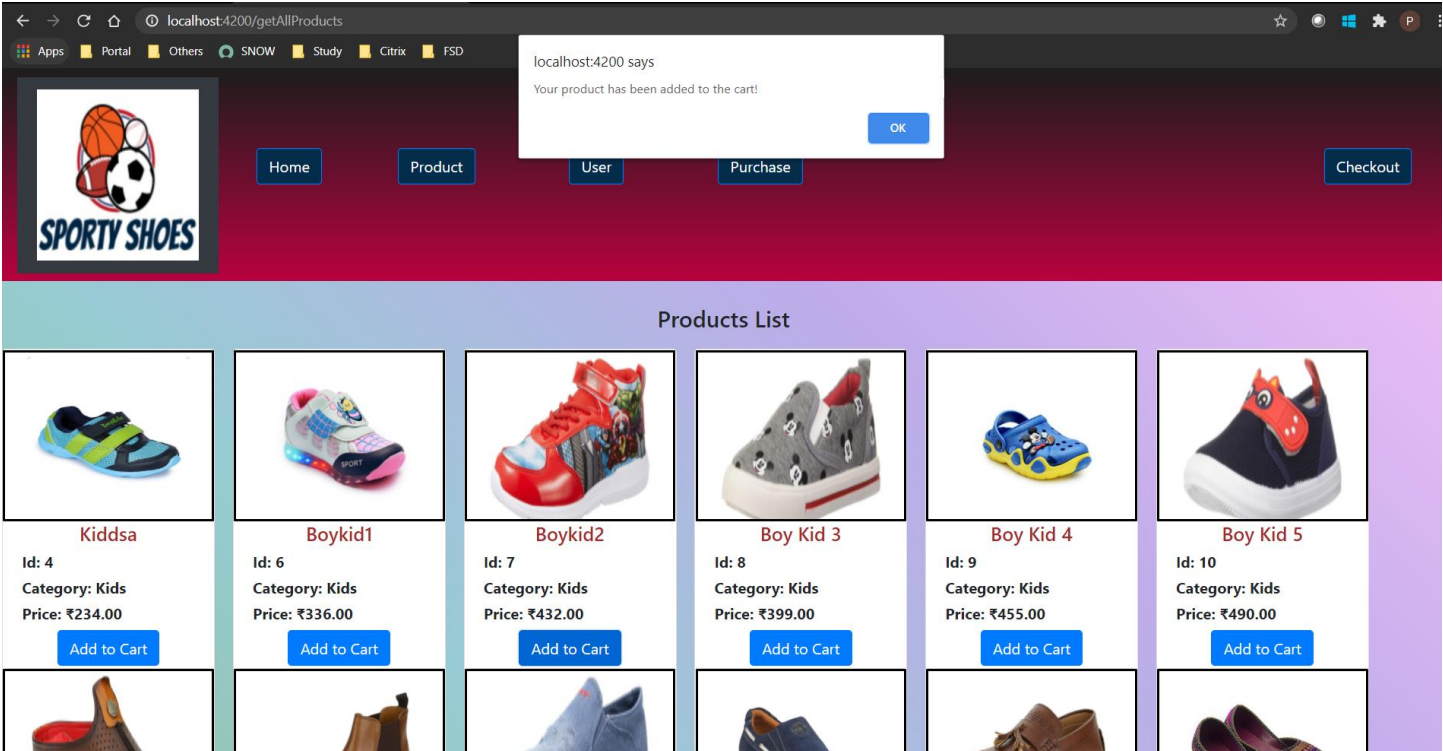


Screenshots taken while executing project requirements and their verification:

Product Home Page



Pop-up upon clicking "Add to Cart" for each products



localhost:4200/getAllProducts

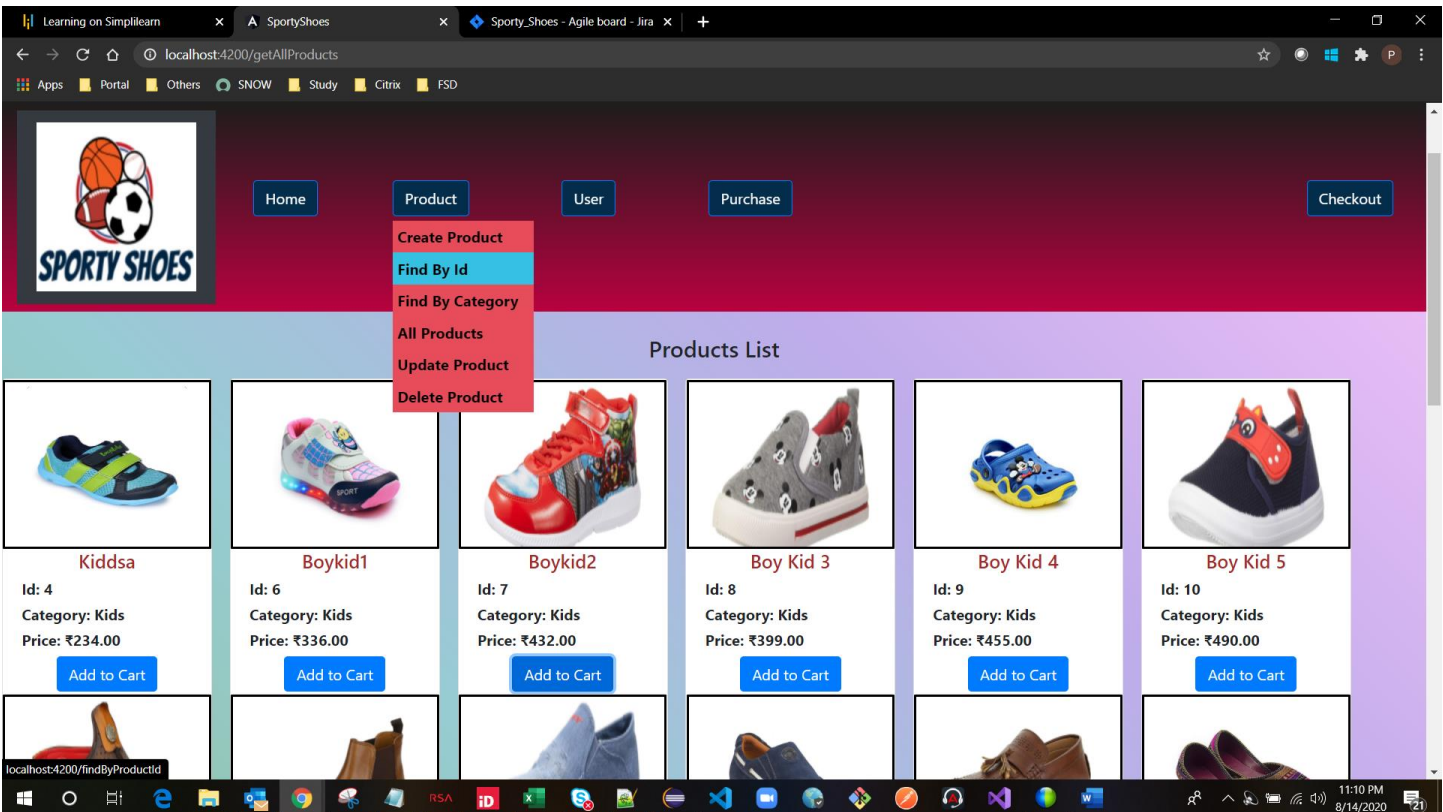
localhost:4200 says
Your product has been added to the cart!

Home Product User Purchase Checkout

Products List

Image	Name	Id	Category	Price	Action
	Kiddsa	Id: 4	Category: Kids	Price: ₹234.00	Add to Cart
	Boykid1	Id: 6	Category: Kids	Price: ₹336.00	Add to Cart
	Boykid2	Id: 7	Category: Kids	Price: ₹432.00	Add to Cart
	Boy Kid 3	Id: 8	Category: Kids	Price: ₹399.00	Add to Cart
	Boy Kid 4	Id: 9	Category: Kids	Price: ₹455.00	Add to Cart
	Boy Kid 5	Id: 10	Category: Kids	Price: ₹490.00	Add to Cart

Drop-Down with highlight on Hover:



Learning on Simplilearn | SportyShoes | SportyShoes - Agile board - Jira

localhost:4200/getAllProducts


Home Product User Purchase Checkout

- Create Product
- Find By Id
- Find By Category
- All Products
- Update Product
- Delete Product

Products List

Image	Name	Id	Category	Price	Action
	Kiddsa	Id: 4	Category: Kids	Price: ₹234.00	Add to Cart
	Boykid1	Id: 6	Category: Kids	Price: ₹336.00	Add to Cart
	Boykid2	Id: 7	Category: Kids	Price: ₹432.00	Add to Cart
	Boy Kid 3	Id: 8	Category: Kids	Price: ₹399.00	Add to Cart
	Boy Kid 4	Id: 9	Category: Kids	Price: ₹455.00	Add to Cart
	Boy Kid 5	Id: 10	Category: Kids	Price: ₹490.00	Add to Cart


Option to create/Read/Update/Delete the User and Products:



[Home](#)
[Product](#)
[User](#)
[Purchase](#)
[Checkout](#)

Create Product

Purchase Report:

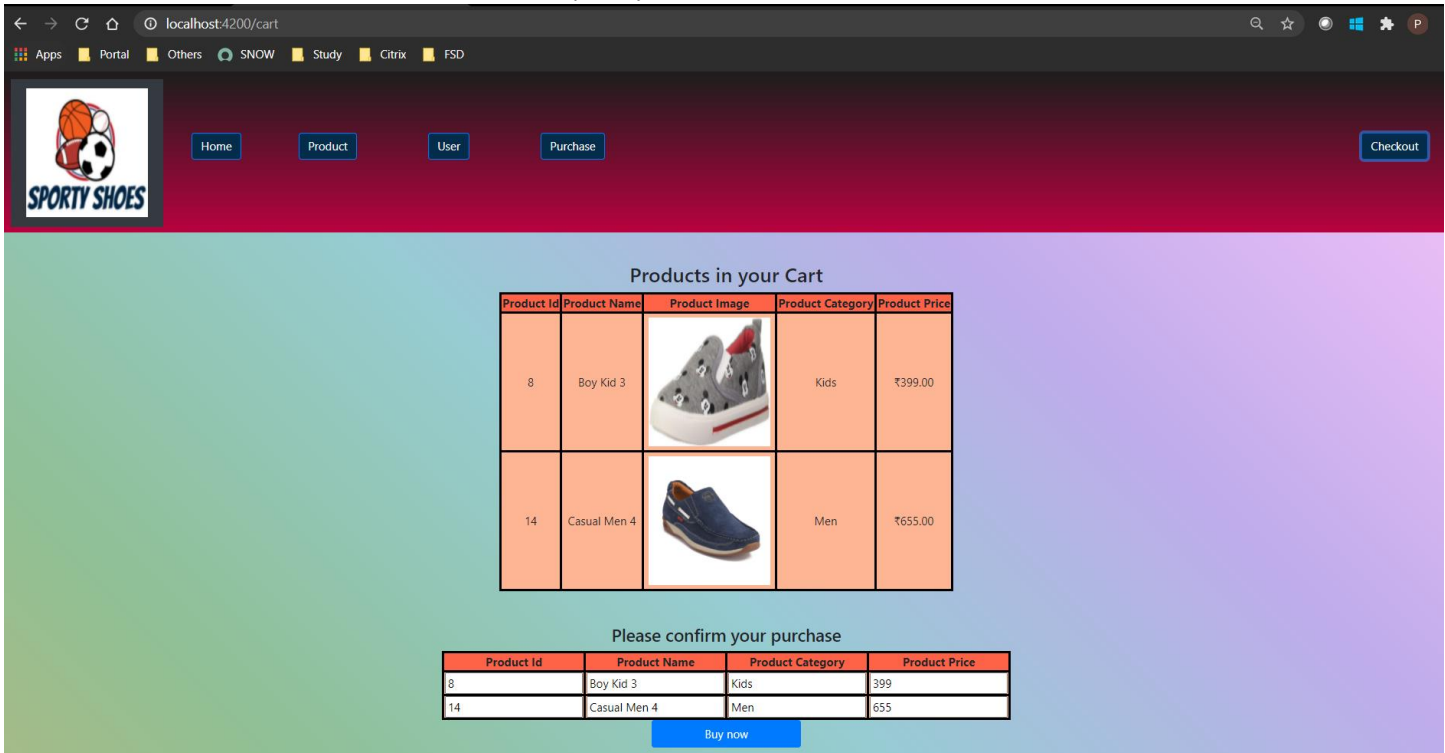


[Home](#)
[Product](#)
[User](#)
[Purchase](#)
[Checkout](#)

Purchase List

Purchase Id	Purchase Date	User Id	User Name	Product Id	Product Name	Product Price	Product Category
1	Aug 14, 2020, 2:16:34 PM	4	string	18	string	₹0.00	string
2	Aug 14, 2020, 2:16:34 PM	5	string	19	string	₹0.00	string
3	Aug 14, 2020, 2:16:34 PM	6	string	20	string	₹0.00	string
4	Aug 14, 2020, 2:16:34 PM	7	string	21	string	₹0.00	string
5	Aug 14, 2020, 2:18:45 PM	8	string	22	string	₹0.00	string

Checkout Button on clicking shows the Cart contents and an option to Buy:



Git Screenshots:

Front End related Codes tracked by Git and uploaded to GitHub:

```
chandp23@INGSCHANDP23L1C MINGW64 /c/users/chandp23/desktop/_/Full Stack/phase3/s
portyShoes/sportyShoes (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
```

Back End related Codes tracked by Git and uploaded to GitHub:

```
chandp23@INGSCHANDP23L1C MINGW64 /c/users/chandp23/eclipse-workspace/sportyShoes
(master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  .gitignore
  .mvn/

nothing added to commit but untracked files present (use "git add" to track)
```

GitHub Screenshot:



SPORTY SHOES

DELL FSD PROJECT – Sporty Shoes – Prasanth Chandrasekar

Front End related Codes tracked by Git and uploaded to GitHub:

The screenshot shows the GitHub repository page for 'PrasanthChand / sportyShoesFrontEnd'. The repository has 1 branch (master) and 0 tags. The commit history shows 5 commits, with the latest commit 'Prasanth final commit before project submission for review' (7abaa63) made 6 minutes ago. The file list includes:

File	Commit	Time
e2e	initial commit	19 days ago
src	final commit before project submission for review	6 minutes ago
.editorconfig	initial commit	19 days ago
.gitignore	initial commit	19 days ago
README.md	initial commit	19 days ago
angular.json	initial commit	19 days ago
browserslist	initial commit	19 days ago
karma.conf.js	initial commit	19 days ago
package-lock.json	initial commit	19 days ago
package.json	initial commit	19 days ago
tsconfig.app.json	initial commit	19 days ago

Back End related Codes tracked by Git and uploaded to GitHub:

The screenshot shows the GitHub repository page for 'PrasanthChand / sportyShoes'. The repository has 1 branch (master) and 0 tags. The commit history shows 6 commits, with the latest commit 'Prasanth final commit before project submission for review' (0f0416a) made 3 minutes ago. The file list includes:

File	Commit	Time
src	final commit before project submission for review	3 minutes ago
mvnw	first commit	20 days ago
mvnw.cmd	first commit	20 days ago
pom.xml	Front and Backend of user and product works with persistent H2 DB	5 days ago
sportdb.mv.db	final commit before project submission for review	3 minutes ago
sportdb.trace.db	final commit before project submission for review	3 minutes ago

Help people interested in this repository understand your project by adding a README. [Add a README](#)

GitHub Repository:



SPORTY SHOES

DELL FSD PROJECT – Sporty Shoes – Prasanth Chandrasekar

All the project related files are uploaded to the below GitHub repository.

Note: The data in the database might be different from the screenshots, as few data were modified for testing purpose after taking screenshot. This project specification document is uploaded to below GitHub Repository in both .doc and .pdf extensions.

Front End related codes : <https://github.com/PrasanthChand/sportyShoes>

Back End related codes : <https://github.com/PrasanthChand/sportyShoesFrontEnd>