



## TOPIC OF WORK

“FULL STACK DEVELOPMENT  
OF ONLINE STORE”

STUDENT: VADYM KOVALENKO

ID: 345506752

GROUP: 2070



## About project

**Mont Blanc** is a web application for an online store of high-quality Italian products, developed using Html5, SASS, JavaScript, Spring Boot, MariaDB and Tomcat. The project is an e-commerce platform where users can browse the product catalog, add them to the cart, place orders with a choice of delivery time and payment method, and receive order by email. For administrators, there is an admin panel that allows managing data. Below is a detailed description of the project, its structure, functionality and current state.

# DESIGN



03

## Created design in the Figma

All prototypes [Mont Blanc group – Figma](#)

Mont Blanc group

Drafts **Free**

File Assets

Pages

Page 1

> Layers

The mockup shows a website for 'Mont Blanc group'. The header is green with the logo, navigation links (HELP, LOGIN), contact info (050 145-28-41), store opening hours, and a cart icon. Below the header is a navigation bar with links: GIFT CARD, SPECIAL PROGRAMMS, SALES, DELIVERY, CONTACTS. The main content area features a large hero image of Italian pasta with the text 'ITALIAN PASTA from 40.00 ₪ / kg'. Below this is a 'SPECIAL OFFERS' section with a grid of six products, each with an image, price, name, and an 'ADD TO CART' button.

Product	Price	Quantity	Action
Olive oil Extra Virgin, Costa d'Oro	45.00 ₪	1	ADD TO CART
Potato chips Classic, San Carlo	16.00 ₪	1	ADD TO CART
Tuna striped fillet-slices in oil tin, ARTIGIANO	24.00 ₪	1	ADD TO CART
Tet de Moine cheese, LeSuperbe	56.00 ₪	1	ADD TO CART
Tomato ketchup, Mutti	18.00 ₪	1	ADD TO CART
Pasta all'uovo Quadrettini Luciana Mosconi 250 g	14.00 ₪	1	ADD TO CART

Design Prototype 6%

Page

1E1E1E 100 %

Local variables

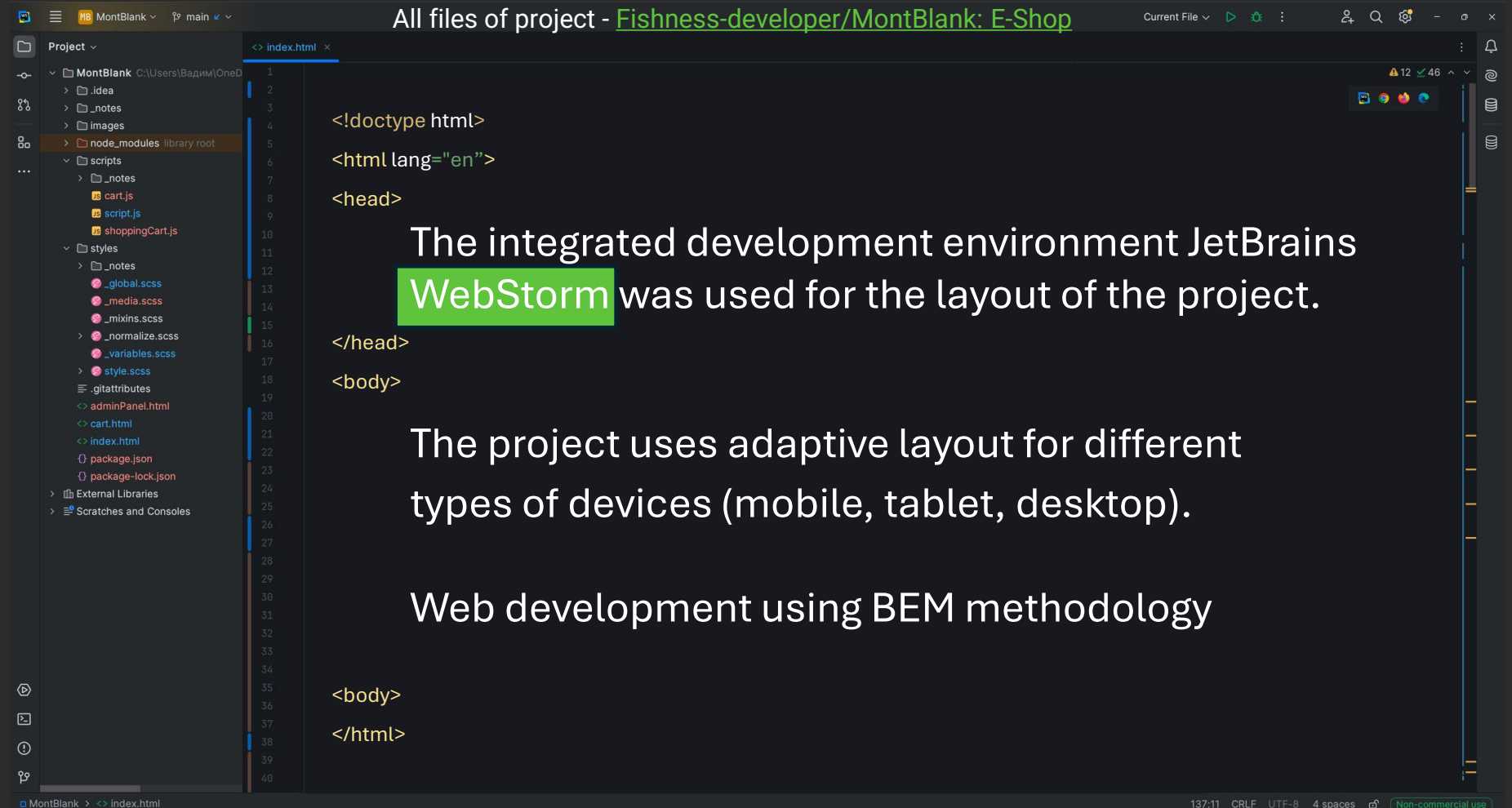
Local styles

Export



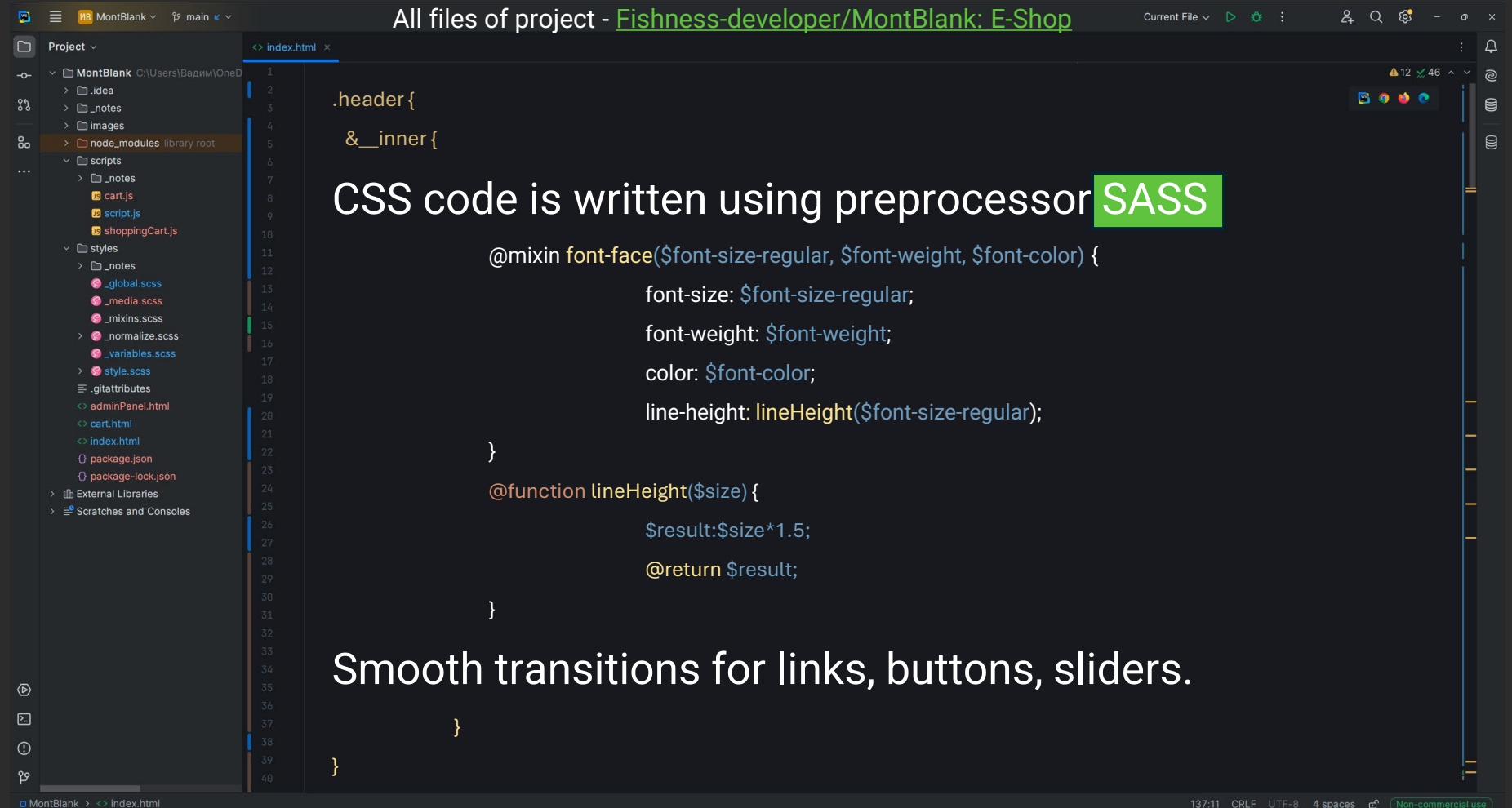


# Project layout



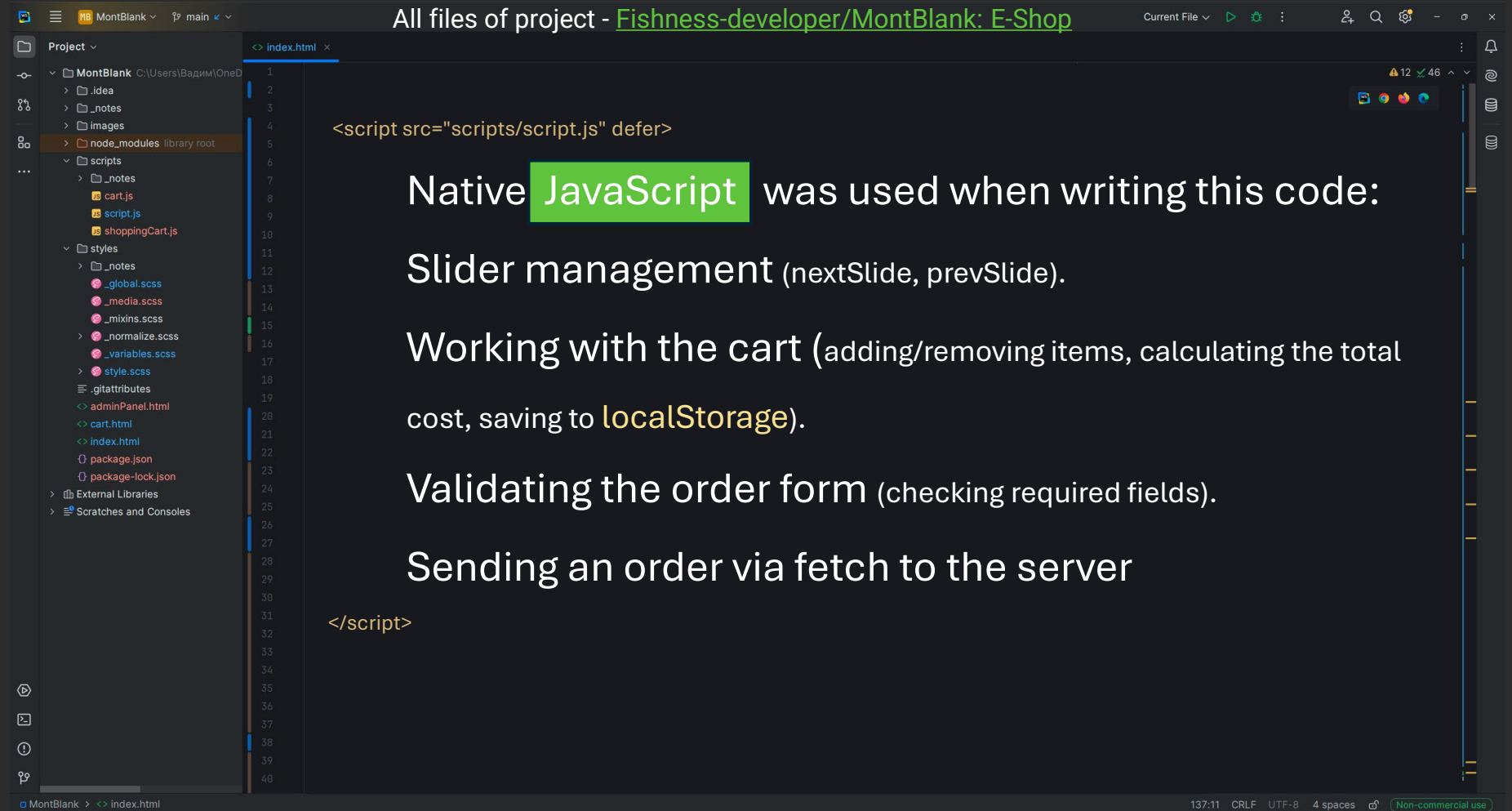


# Project layout





# Project layout

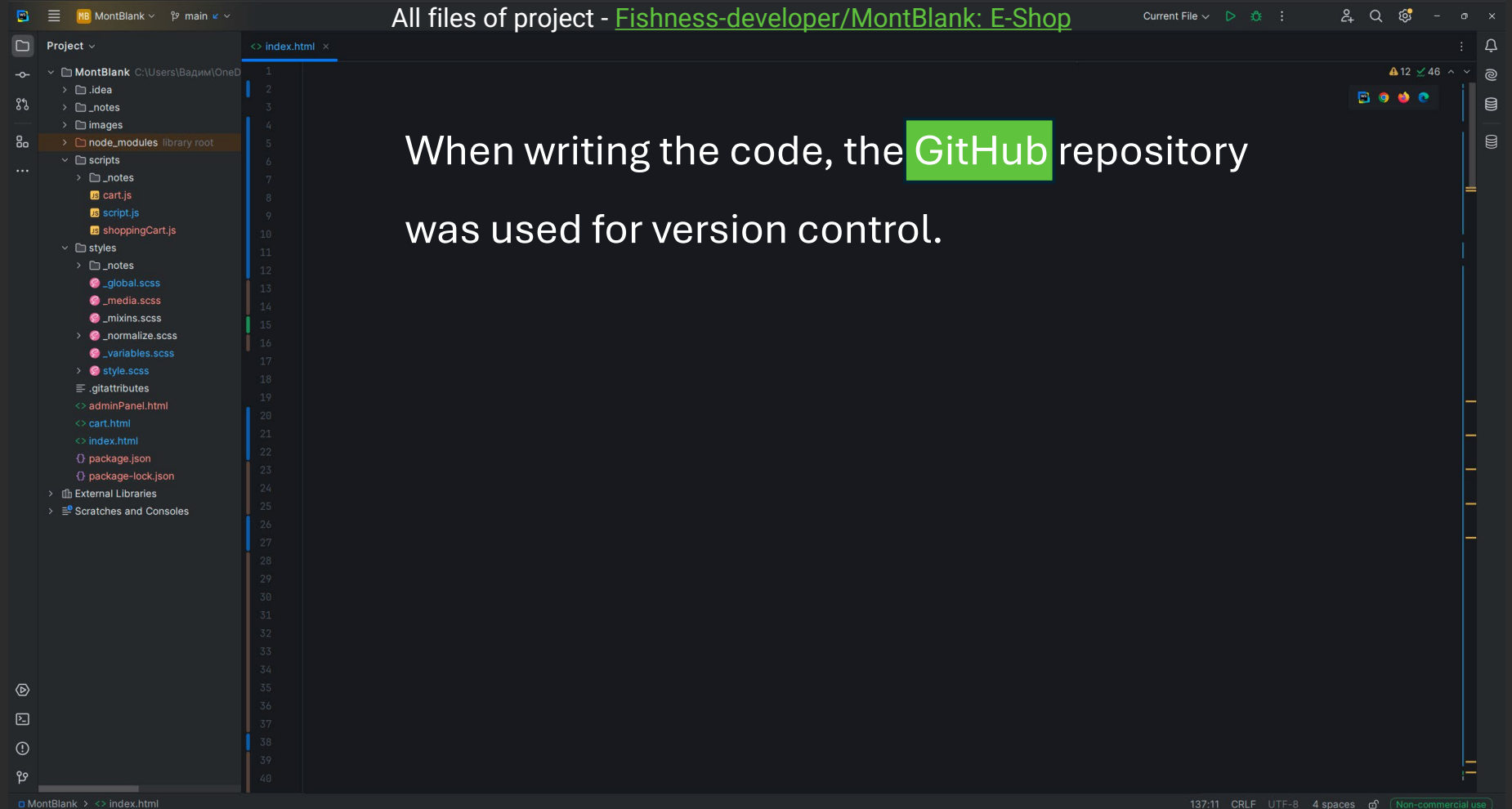




# Project layout

All files of project - [Fishness-developer/MontBlank: E-Shop](https://github.com/Fishness-developer/MontBlank)

When writing the code, the **GitHub** repository was used for version control.









# Programming on JAVA

All files of project - [Fishness-developer/MontBlank: E-Shop](#)

Programming technologies used:

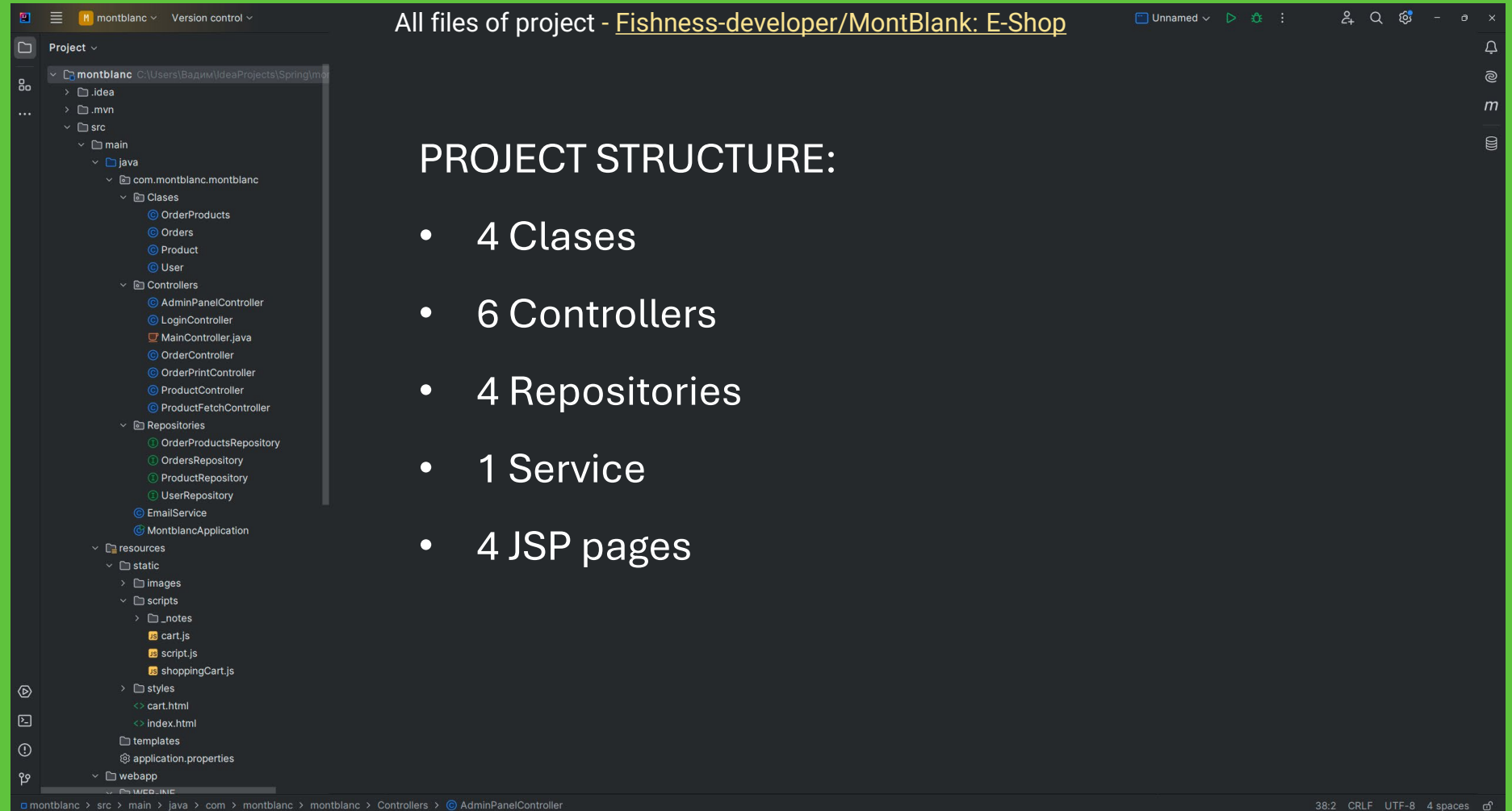
- **Spring Boot** The main framework for developing a web application.
- **Spring Data JPA/Hibernate** For interacting with the database and automatically creating/updating tables.
- **MariaDB (version 10.6.18)** Used to store data about users, products, orders.

A screenshot of the IntelliJ IDEA IDE showing the project structure of 'montblanc'. The project is located at 'C:\Users\Вадим\IdeaProjects\Spring\montblanc'. The structure includes:

- src/main/java/com.montblanc.montblanc
  - Classes: OrderProducts, Orders, Product, User
  - Controllers: AdminPanelController, LoginController, MainController.java, OrderController, OrderPrintController, ProductController, ProductFetchController
  - Repositories: OrderProductsRepository, OrdersRepository, ProductRepository, UserRepository
  - Services: EmailService
  - Application: MontblancApplication
- resources
  - static
    - images
    - scripts
      - \_notes
      - cart.js
      - script.js
      - shoppingCart.js
    - styles
      - cart.html
      - index.html
  - templates
    - application.properties
- webapp

The bottom status bar shows the current file path: 'montblanc > src > main > java > com > montblanc > montblanc > Controllers > AdminPanelController' and the encoding: '38:2 CRLF UTF-8 4 spaces'.

All files of project - [Fishness-developer/MontBlank: E-Shop](#)



- ## PROJECT STRUCTURE:

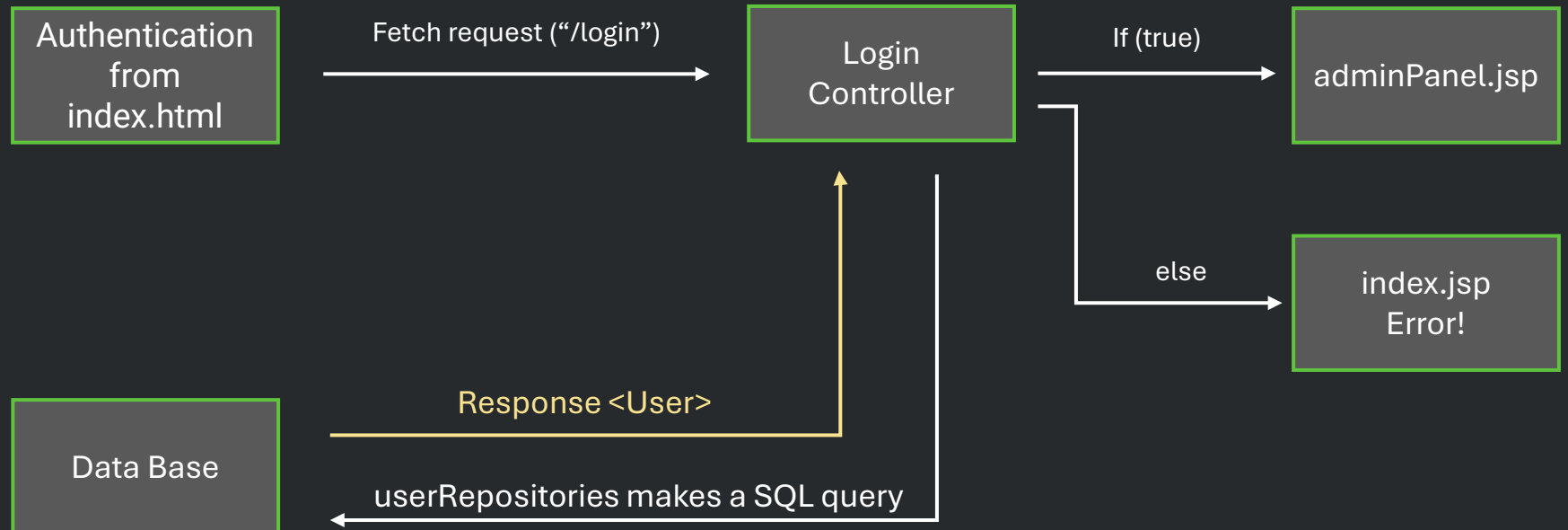
- 4 Classes
- 6 Controllers
- 4 Repositories
- 1 Service
- 4 JSP pages



# Programming on JAVA

All files of project - [Fishness-developer/MontBlank: E-Shop](#)

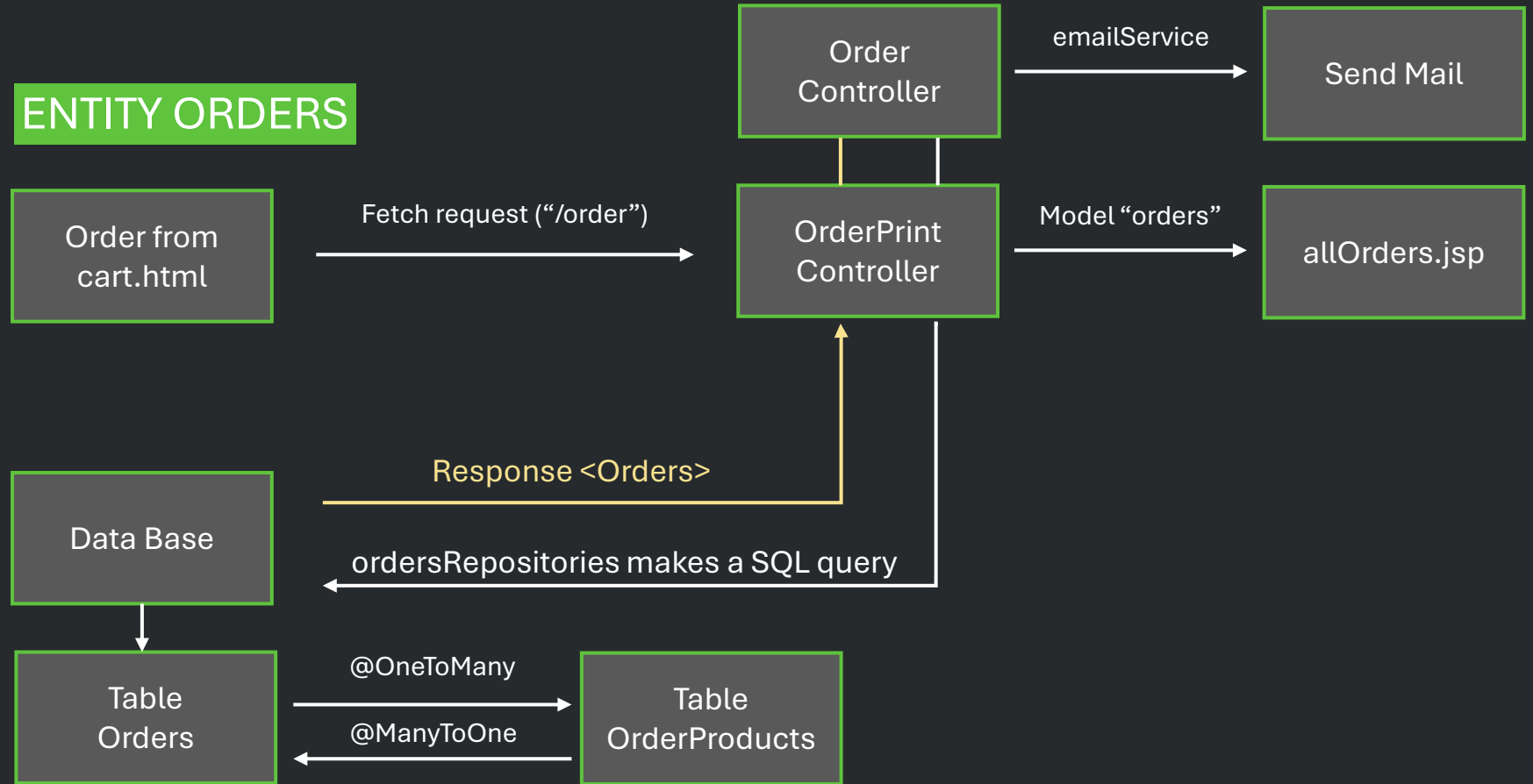
## ENTITY USER





# Programming on JAVA

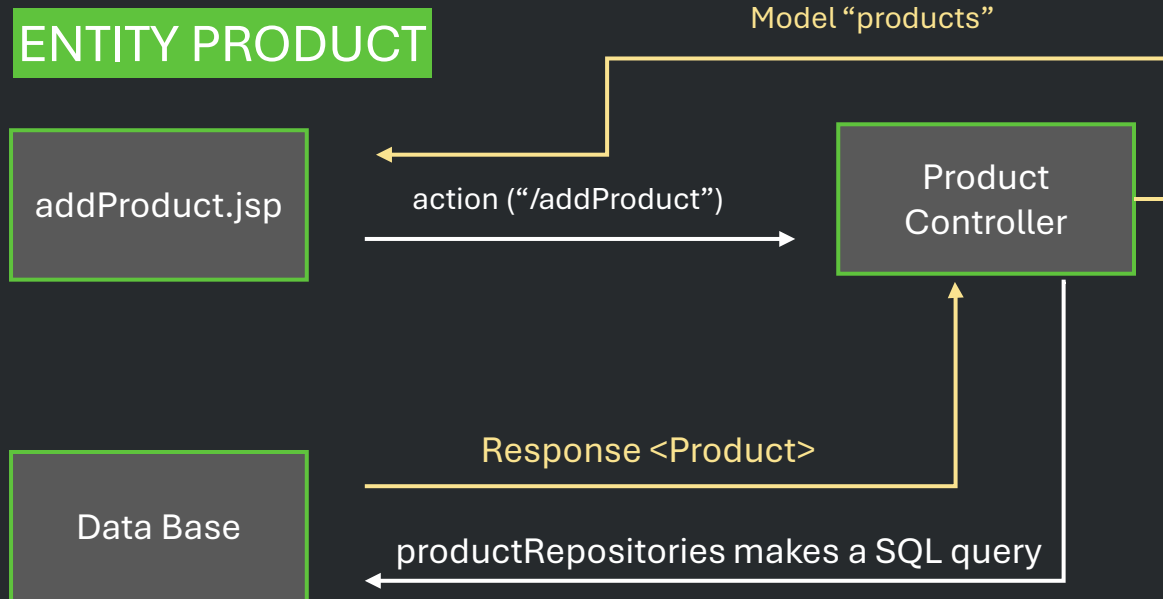
All files of project - [Fishness-developer/MontBlank: E-Shop](#)





# Programming on JAVA

All files of project - [Fishness-developer/MontBlank: E-Shop](#)







# Programming on JAVA

All files of project - [Fishness-developer/MontBlank: E-Shop](#)

## Server:

Apache Tomcat: For application deployment  
(deployed in /opt/tomcat/webapps/ROOT).

## Environment:

Up server on Ubuntu 22.04 with IP address 194.113.32.17:8080.

