

TGI - Mamacita

E-Commerce

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Ny Clinton

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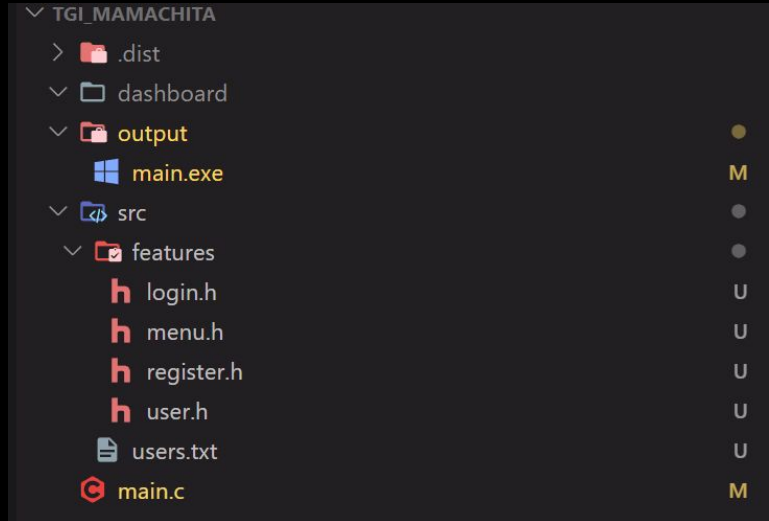
6 References & Some Screenshot >

Our Project is based on E-commerce application

Key Functionalities:

- User roles: Admin, User, Store Owner, Guest.
- CRUD operations for entities (Users, Stores, Products).
- Shopping cart, checkout, and invoice generation.
- Sales reports and admin logs.
- Persistent storage using file I/O.

Project Structure:



Meet the team

- Team Members:

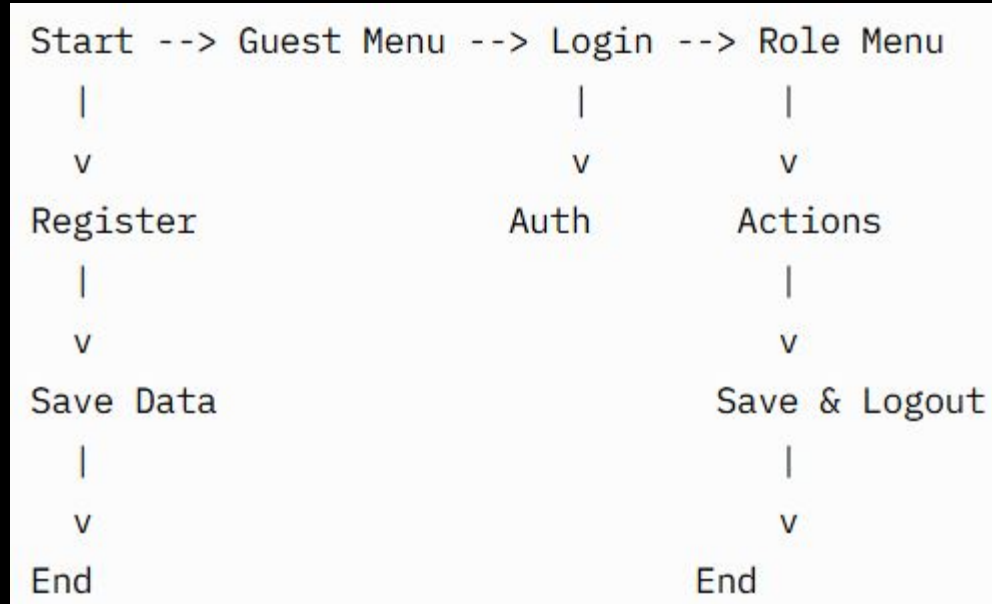
- **Phok Keomonnnyratanak** - Role: Lead Developer
 - **Tasks:** Core logic, menu system, CRUD operations.
- **Srun Chanmonika** - Role: Data Engineer
 - **Tasks:** File I/O, data structures, report generation.
- **Ny Clinton** - Role: UI Designer
 - **Tasks:** Console menu design, invoice formatting.
- **Montra** - Role: Testing Report bug and Assistance to lead
 - **Tasks:** testing, Handle some features.

Implementation Highlights

- **Data Structures:**
 - User: id, username, password, role, balance.
 - Store: id, name, ownerId.
 - Product: id, storeId, name, price, quantity.
 - Order: orderId, userId, items, total, date.
- **Why?:** Modular, efficient, file-serializable.
- **File I/O:**
 - Files: users.txt, stores.txt, products.txt, orders.txt, logs.txt.

Program Flow

- Simplified Flowchart



Development Workflow:

- We defiance the functions of the applications and handle functions based on the roles
- Github: To store Project
- We Meeting through Physical and Virtual (Google Meet)
- Our project as based on Agile Methodology

Challenge and Experience:

Challenges

- Lack of communication
- Doesn't understand application Function
- Lack of C syntax Understanding

Experience

- Know how to work as a group
- Problem Solving

Application Progress

What we have implemented

- Handle Register store users at users.txt
- Handle Login

What we do next

- Multi Role user Base (admin, store, customer)
- Shop: add to chart, cancel, pruches, invoice, stock, shop, Items, invoice.
- Sales reports, admin logs.

Application Progress

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- Shop: add to chart, cancel, pruches, invoice, stock, shop, Items, invoice.
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PS D:\1.OneDrive - TUX Global Institute\2.Cprogram\TGI_Mamachita\output> & .\'main.exe'

Welcome to TGI Mamachita!

1. Login
2. Register
3. Exit

Please select an option: 2

You selected option 2

Register

Enter 'back' to return to menu.

Enter your username: customer01

Enter your password: 123

Registration successful! You can now log in.

Returning to menu...

1. Login
2. Register
3. Exit

Please select an option: 1

You selected option 1

Login

Enter 'back' to return to menu.

Enter your username: customer01

Enter your password: 123

Login successful!

Returning to menu...



Thank you