

CODESPACES

README.md - Javaprojectericmendoza

turbo-space-barnacle-97w4w5xggqrw2x667.github.dev

Javaprojectericmendoza [Codespaces: turbo space barnacle]

EXPLORER

OPEN EDITORS

JAVAPROJECTERICMENDOZA [CODESPACES: TURBO...]

src

main

java/com/example

CheckBalance.java

Main.java 6, R

Transactions.java

UserAuthentication.java 1

resources

db

dashboard.html

CashInTest.cs

CashTransferTest.cs

CheckBalanceTest.cs

MainTest.cs

TransactionsTest.cs

UserAuthenticationTest.cs

target

.gitignore

Gash online banking sample output.docx

GashApp.eml

GashApp.userlibraries

OUTLINE

TIMELINE

CS-SCRIPT - ACTIVE

JAVA PROJECTS

MAVEN

README.md M

README.md > # GCash Console Banking App > ## Technologies Used

1 # GCash Console Banking App

2

3 A simple Java console application that simulates basic banking operations such as registration, login, balance checking, cash-in, cash

4 transfer, and transaction history. The app uses SQLite as its database backend.

5

6 Globe Ash Banking

7 ## Features

8 - User registration and authentication

9 - Check account balance

10 - Cash-in to your account

11 - Transfer funds to other users

12 - View transaction history

13 - Change PIN

14 - Console-based user interface

15

16 ## Technologies Used

17

18 - Java

19 - SQLite

20 - JDBC

21 - Maven

22

23 ## Getting Started

24

25 By Eric R. Mendoza

26 CIICC PJ NC3 batch 1 2025

27

PROBLEMS 7

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS 5

Filter

json-server

json-server is now active!

Codespaces: turbo space barnacle

master+ 0 7 5

Connect

JavaDebugX

Java: Ready

Start JSON Server

E MENDOZA (6 days ago)

Ln 17, Col 1

Spaces: 4

UTF-8

LF

Markdown

Go Live

Layout: US





```

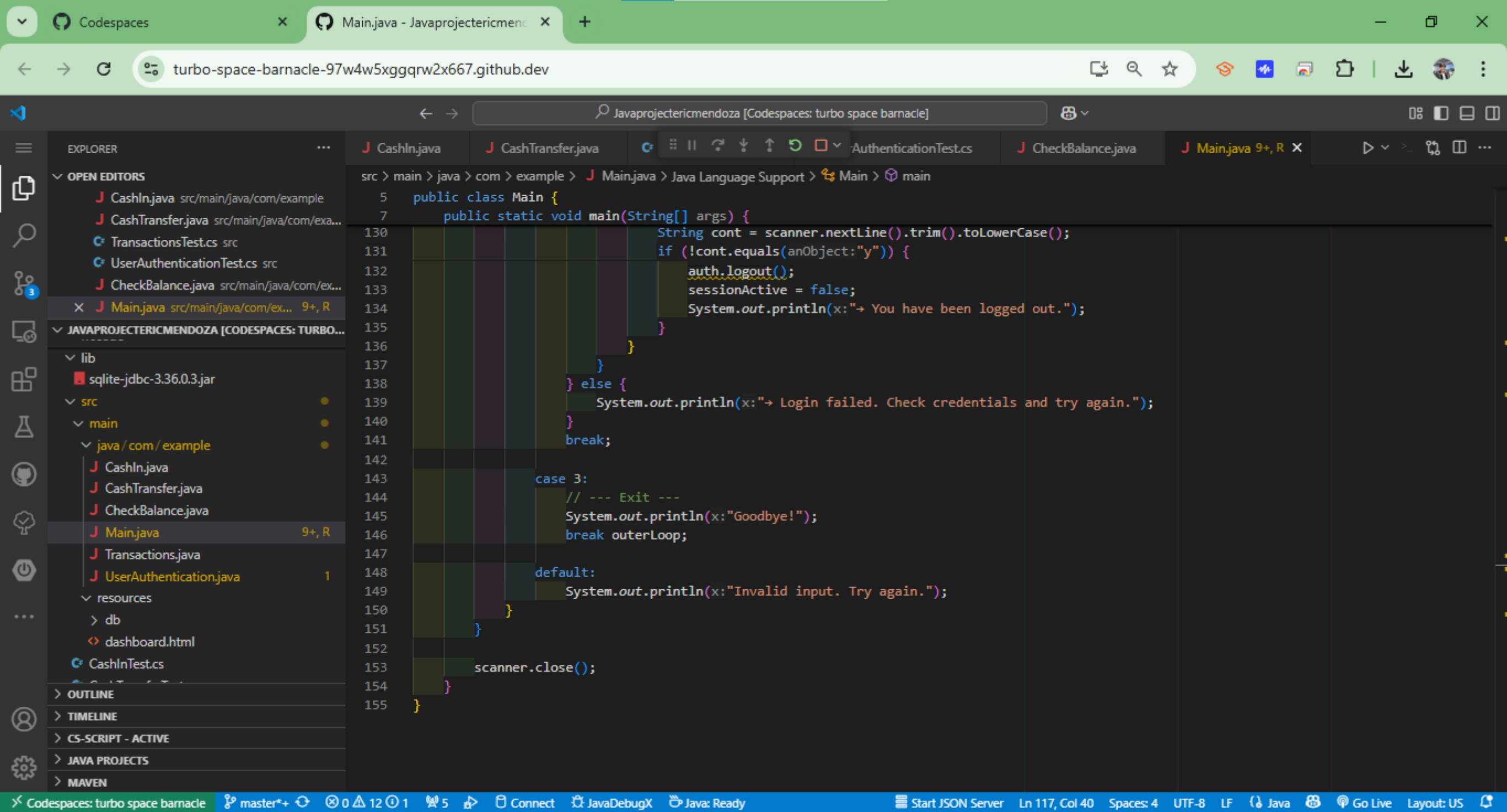
src > main > java > com > example > J Main.java > Java Language Support > Main > main
5  public class Main {
7      public static void main(String[] args) {
43         String number = scanner.nextLine();
44
45         System.out.print(s:"Enter 4-digit PIN: ");
46         String pin = scanner.nextLine();
47
48         boolean registered = auth.register(name, email, number, pin);
49         if (registered) {
50             System.out.println(x:"> Registration succeeded! You can now login.");
51         } else {
52             System.out.println(x:"> Registration failed. Try again.");
53         }
54         break;
55
56         case 2:
57             // --- Login ---
58             System.out.print(s:"Enter Email or Number: ");
59             String loginKey = scanner.nextLine();
60
61             System.out.print(s:"Enter PIN: ");
62             String loginPin = scanner.nextLine();
63
64             boolean loggedIn = auth.login(loginKey, loginPin);
65             if (loggedIn) {
66                 userId = UserAuthentication.getCurrentUserId();
67                 System.out.println("> Login successful. Your User ID is " + userId);
68
69                 // 5) Inner loop: banking menu
70                 boolean sessionActive = true;
71                 while (sessionActive) {
72                     System.out.println(x:"\n--- Main Menu ---");

```









CodeSpaces

Main.java - Javaprojectericmendo

turbo-space-barnacle-97w4w5xggqrw2x667.github.dev

ClipboardDownloadSearchStar

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Download

Profile

More

Javaprojectericmendoza [Codespaces: turbo space barnacle]

13

OUTPUTDEBUG CONSOLETERMINAL

EXPLORER

OPEN EDITORS

CashIn.java src/main/java/com/example

CashTransfer.java src/main/java/com/exa...

TransactionsTest.cs src

UserAuthenticationTest.cs src

CheckBalance.java src/main/java/com/ex...

Main.java src/main/java/com/ex... 9+, R

JAVAPROJECTERICMENDOZA [CODESPACES: TURBO...]

lib

sqlite-jdbc-3.36.0.3.jar

src

main

java/com/example

CashIn.java

CashTransfer.java

CheckBalance.java

Main.java 9+, R

Transactions.java

UserAuthentication.java 1

resources

db

dashboard.html

CashInTest.cs

OUTLINE

TIMELINE

CS-SCRIPT - ACTIVE

JAVA PROJECTS

MAVEN

TERMINAL

@EricMendoza →/workspaces/Javaprojectericmendoza (master) \$ /usr/bin/env /home/codespace/.vscode-remote/data/User/globalStorage/pleiades.java-exten  
sion-pack-jdk/java/8/bin/java -cp /tmp/cp\_dh0g8tjtbrmr8bg2t1us0sg3f.jar com.example.Main

=== Welcome to GCash App ===  
1. Register  
2. Login  
3. Exit  
Choose option: 1  
Enter Name: Erica Mendoza  
Enter Email: ericamendoza@gmail.com  
Enter Contact Number (11 digits): 09981234567  
Enter 4-digit PIN: 1234  
Registration successful.  
→ Registration succeeded! You can now login.

=== Welcome to GCash App ===  
1. Register  
2. Login  
3. Exit  
Choose option: 2  
Enter Email or Number: 09981234567  
Enter PIN: 1234  
Login successful. User ID: 6  
→ Login successful. Your User ID is 6

--- Main Menu ---  
1. Check Balance  
2. Cash In  
3. Cash Transfer  
4. View My Transactions  
5. Change PIN  
6. Logout  
Enter your choice: 1  
Current balance: ₱0.00

JavaSE-21 LTS

Run: Main

CodeSpaces: turbo space barnacle

master\*+ ↺

0 12 1 5

Connect

JavaDebugX

Java: Ready

Start JSON Server

Ln 117, Col 40

Spaces: 4

UTF-8

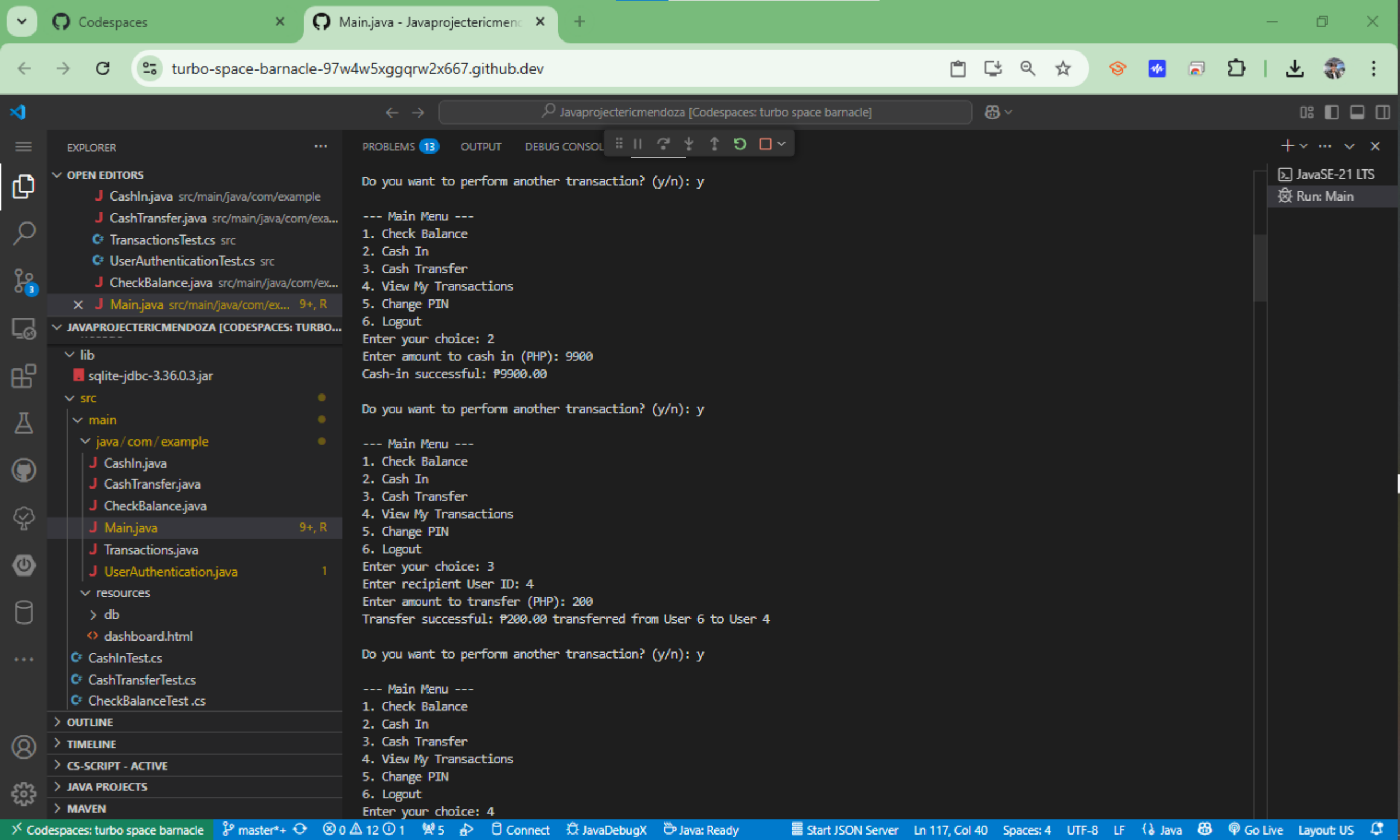
LF

Java

Go Live

Layout: UIS





The screenshot displays an IDE interface with a dark theme. On the left, the 'EXPLORER' sidebar shows a project named 'JAVAPROJECTERICMENDOZA [CODESPACES: TURBO...]'. The project structure includes a 'lib' folder with 'sqlite-jdbc-3.36.0.3.jar', a 'src' folder with a 'main' sub-folder containing 'java/com/example' which holds 'CashIn.java', 'CashTransfer.java', 'CheckBalance.java', 'Main.java' (selected), 'Transactions.java', and 'UserAuthentication.java'. There are also 'resources' (db, dashboard.html) and test files ('CashInTest.cs', 'CashTransferTest.cs', 'CheckBalanceTest.cs'). The 'OUTLINE', 'TIMELINE', 'CS-SCRIPT - ACTIVE', 'JAVA PROJECTS', and 'MAVEN' sections are visible at the bottom of the sidebar.

The main editor area shows the 'Main.java' file, which contains a menu-driven application. The terminal window at the bottom displays the following output:

```
6. Logout
Enter your choice: 4
=== Transactions for User ID: 6 ===
ID:8 | Transfer | P200.00 | acct:6 | from:6 | to:4 | 2025-06-06 09:35:57
ID:7 | CashIn | P9900.00 | acct:6 | from:0 | to:0 | 2025-06-06 09:35:08

Do you want to perform another transaction? (y/n): y

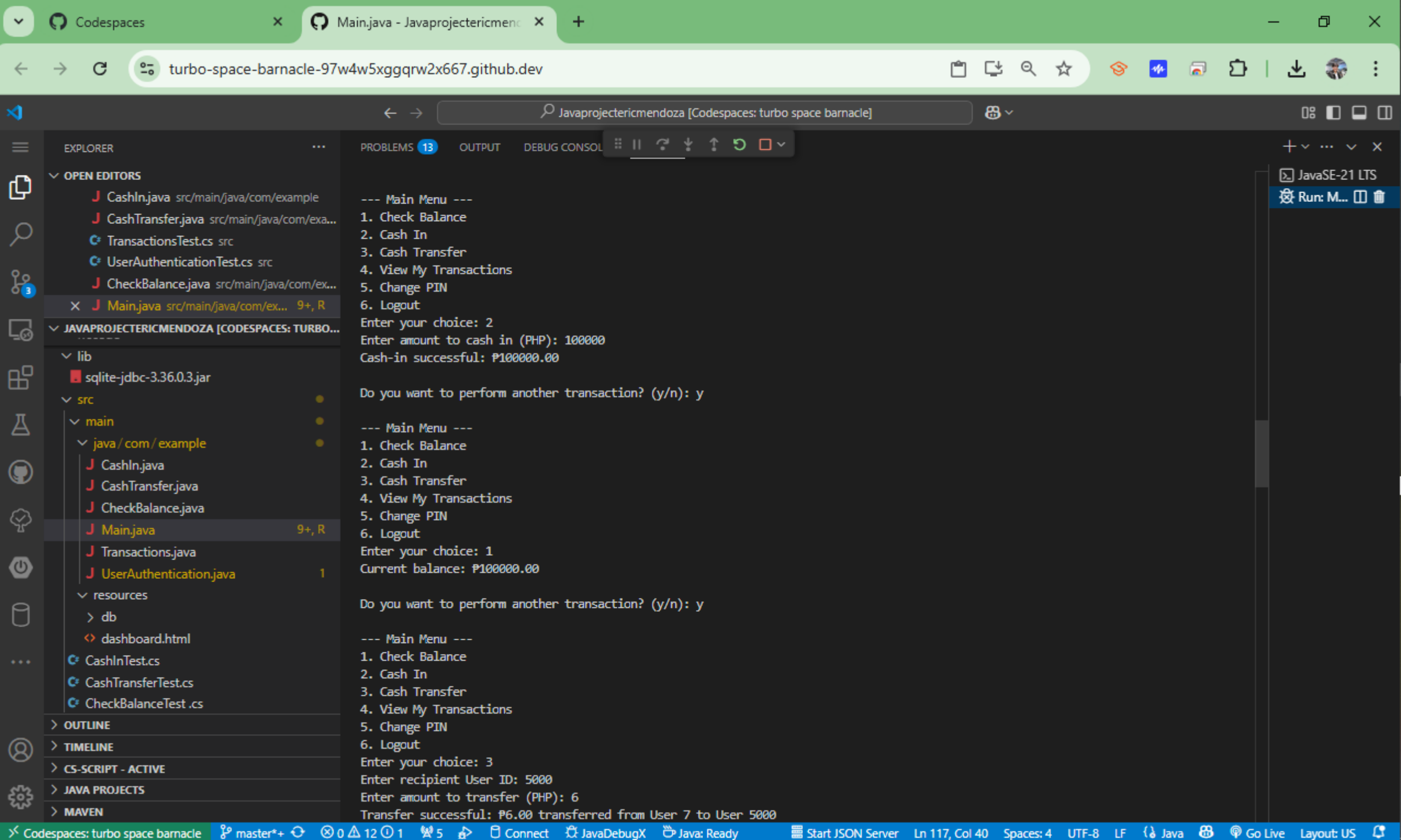
--- Main Menu ---
1. Check Balance
2. Cash In
3. Cash Transfer
4. View My Transactions
5. Change PIN
6. Logout
Enter your choice: 5
Enter current PIN: 1234
Enter new 4-digit PIN: 4321
PIN changed successfully.

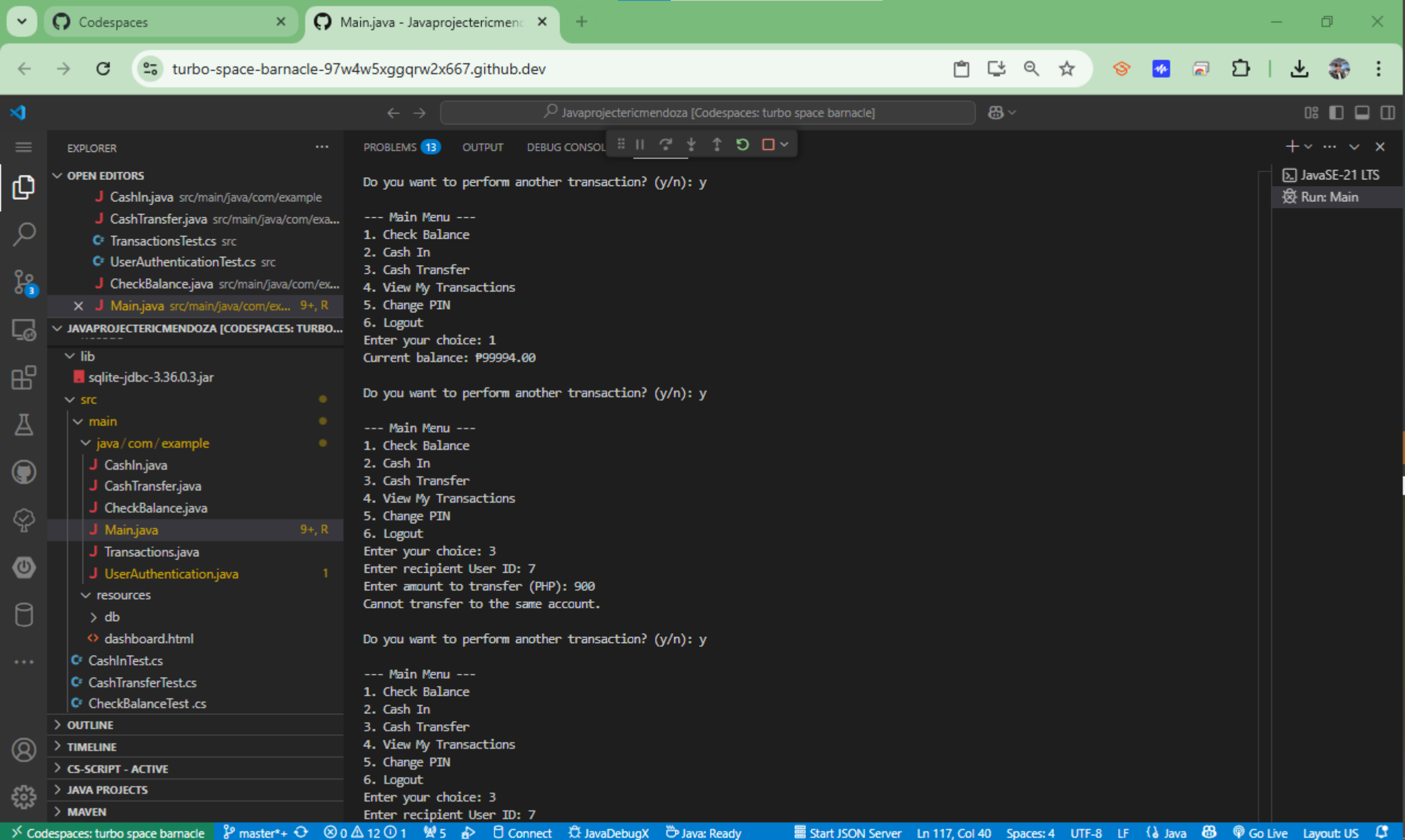
Do you want to perform another transaction? (y/n): y

--- Main Menu ---
1. Check Balance
2. Cash In
3. Cash Transfer
4. View My Transactions
5. Change PIN
6. Logout
Enter your choice: 6
User logged out.
→ You have been logged out.

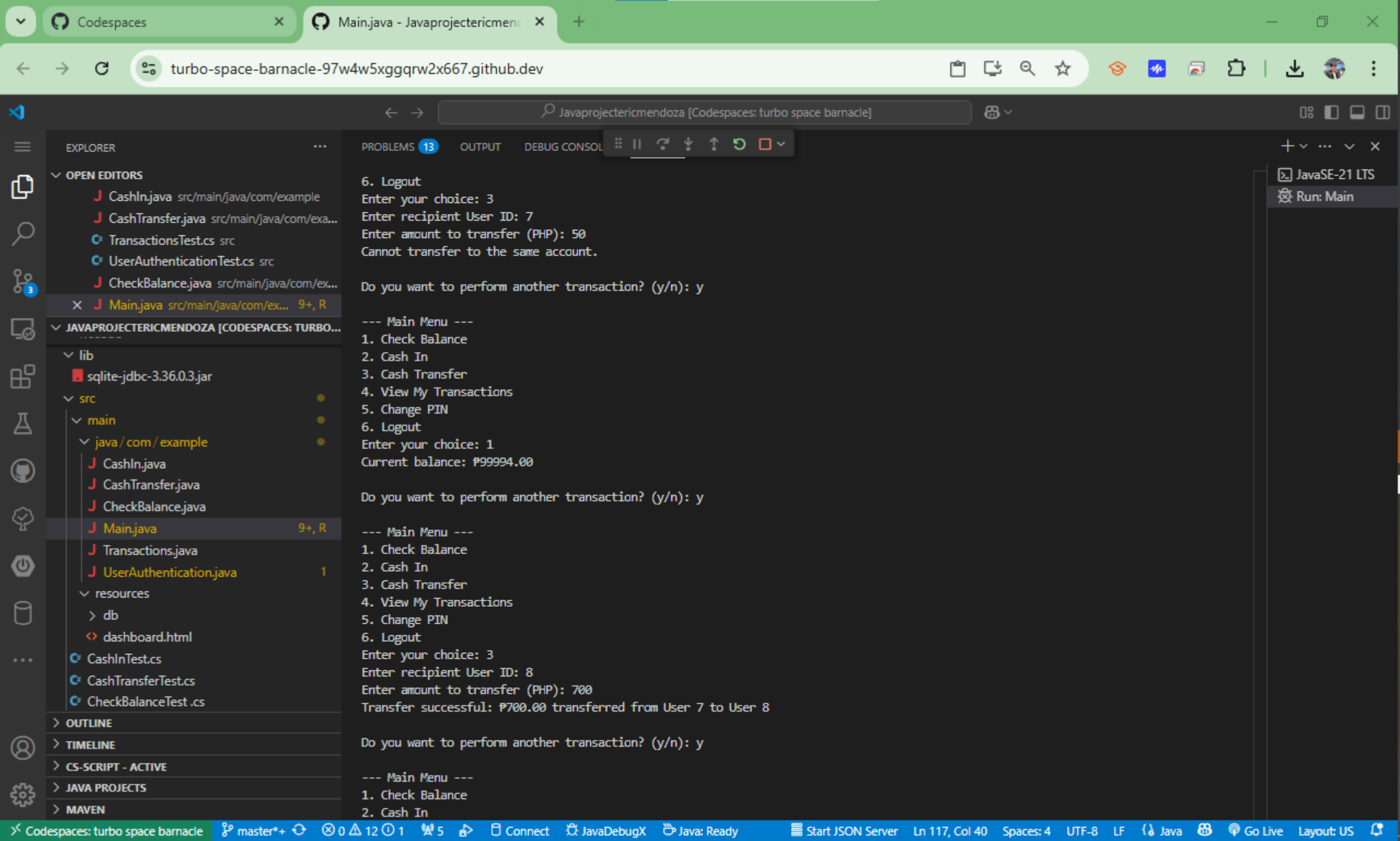
=== Welcome to GCash App ===
1. Register
2. Login
3. Exit
```

The image shows a screenshot of an IDE (Integrated Development Environment) with a dark theme. On the left, the 'EXPLORER' panel displays the project structure for 'JAVAPROJECTERICMENDOZA'. The project is organized into 'lib' (containing 'sqlite-jdbc-3.36.0.3.jar') and 'src' (containing 'main' and 'resources' subdirectories). The 'main' directory contains 'java/com/example' which holds several Java files: 'CashIn.java', 'CashTransfer.java', 'CheckBalance.java', 'Main.java' (selected), 'Transactions.java', and 'UserAuthentication.java'. The 'resources' directory contains 'db' and 'dashboard.html'. Below the Explorer, there are tabs for 'OUTLINE', 'TIMELINE', 'CS-SCRIPT - ACTIVE', 'JAVA PROJECTS', and 'MAVEN'. The central editor window shows the code for 'Main.java', which implements a 'GCash App' menu. The menu options are: 1. Register, 2. Login, 3. Exit, 4. Check Balance, 5. Cash In, 6. Cash Transfer, 7. View My Transactions, 8. Change PIN, and 9. Logout. The code includes logic for user registration (storing name, email, and contact number), login (verifying email/number and PIN), and displaying the current balance. The right side of the IDE features a 'PROBLEMS' panel (empty), an 'OUTPUT' panel showing the application's runtime output, and a 'DEBUG CONSOLE' panel. The output shows the user 'Anaricamae Mendoza' successfully registering and logging in with email 'anaricamaemendoza@gmail.com' and PIN '2345', resulting in a User ID of 7 and a current balance of ₱0.00. The application prompts the user to perform another transaction.









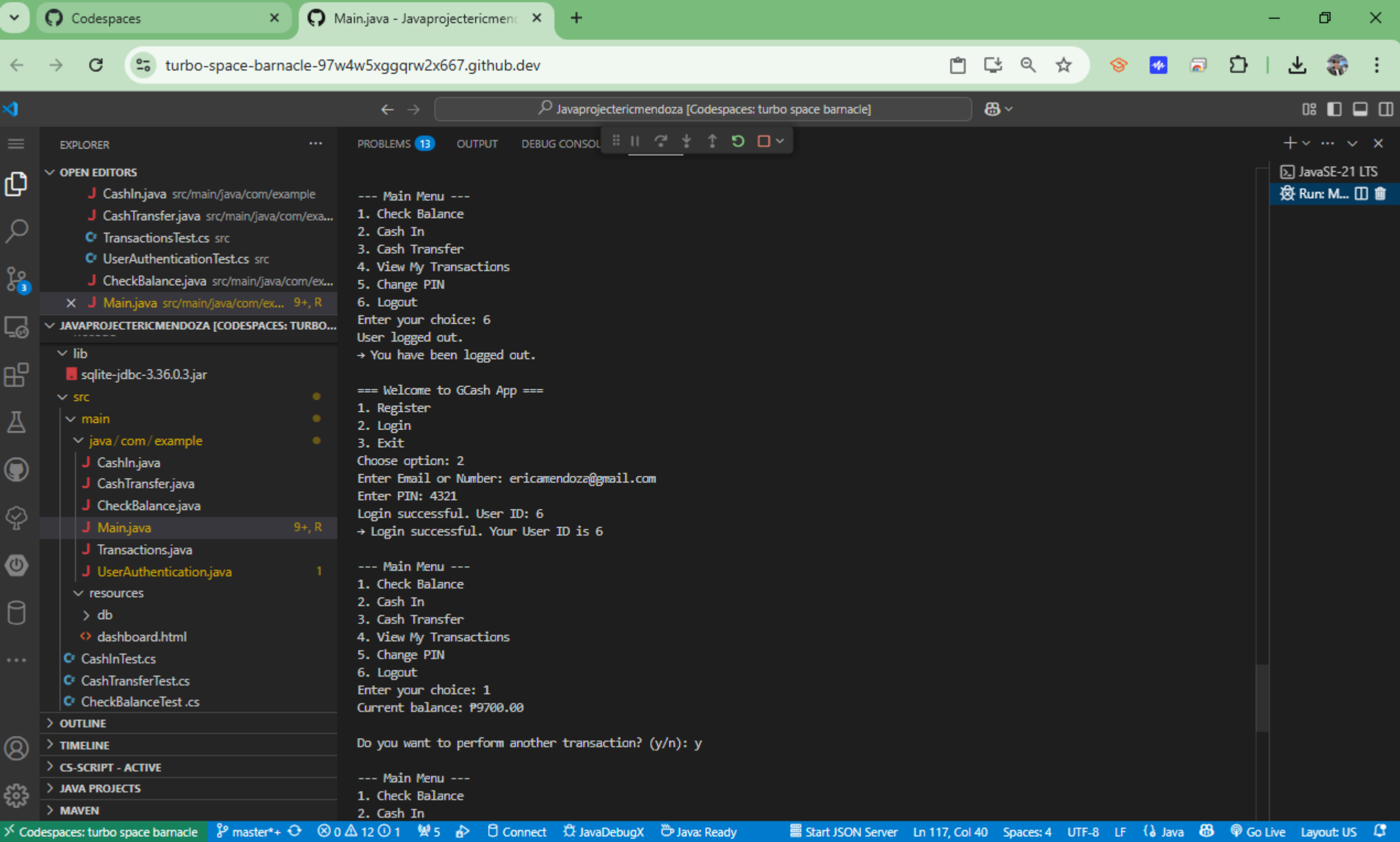
The screenshot displays an IDE interface with a dark theme. On the left, the Explorer panel shows a project structure for 'JAVAPROJECTERICMENDOZA [CODESPACES: TURBO...]'. The 'src' directory contains a 'main' package with 'java/com/example' sub-package. Files include 'CashIn.java', 'CashTransfer.java', 'CheckBalance.java', 'Main.java' (highlighted), 'Transactions.java', and 'UserAuthentication.java'. There are also 'resources' and 'db' directories, and test files like 'CashInTest.cs', 'CashTransferTest.cs', and 'CheckBalanceTest.cs'. The Outline, Timeline, CS-SCRIPT - ACTIVE, JAVA PROJECTS, and MAVEN panels are visible at the bottom left.

The main editor area shows the content of 'Main.java', which is a Java application for a banking system. It includes a 'Main Menu' with options: 1. Check Balance, 2. Cash In, 3. Cash Transfer, 4. View My Transactions, 5. Change PIN, and 6. Logout. The application prompts the user to enter their choice and then displays a list of transactions for the selected user ID. The transactions are shown in a table format with columns: ID, Transaction Type, Amount, Account ID, From, To, and Timestamp.

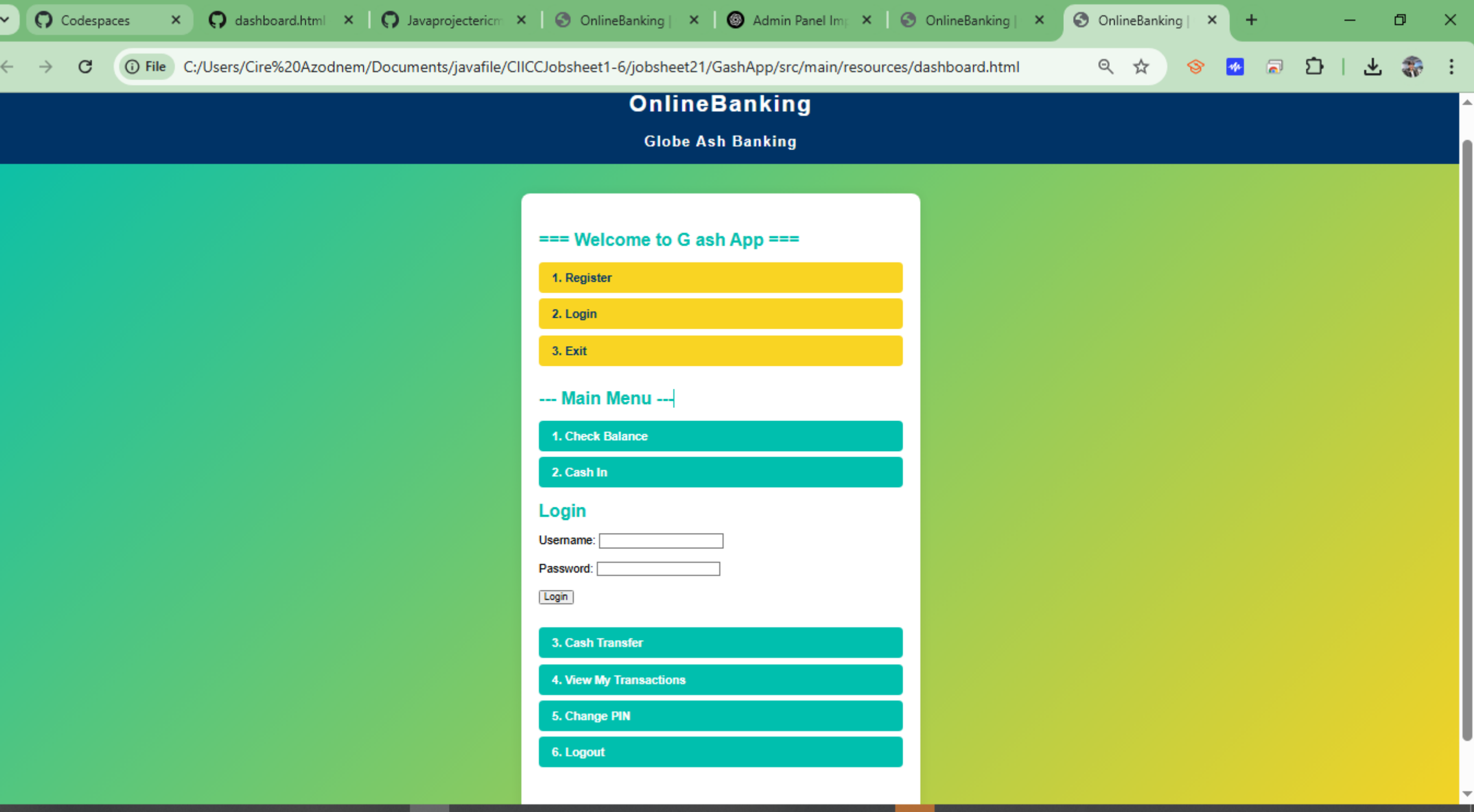
The terminal window at the bottom shows the execution of the application. It prompts the user to 'Enter amount to transfer (PHP): 700' and 'Transfer successful: ₱700.00 transferred from User 7 to User 8'. It then asks 'Do you want to perform another transaction? (y/n): y'. The application then displays the 'Main Menu' and prompts the user to 'Enter your choice: 4'. It then displays the transactions for User ID 7:

ID	Transaction	Amount	Account ID	From	To	Timestamp
ID:11	Transfer	₱700.00	acct:7	from:7	to:8	2025-06-06 09:41:09
ID:10	Transfer	₱6.00	acct:7	from:7	to:5000	2025-06-06 09:39:28
ID:9	CashIn	₱100000.00	acct:7	from:0	to:0	2025-06-06 09:38:38

The terminal then prompts the user to 'Do you want to perform another transaction? (y/n): y'. The application then displays the 'Main Menu' and prompts the user to 'Enter your choice: 5'. It then prompts the user to 'Enter current PIN: 2345' and 'Enter new 4-digit PIN: 1234'. Finally, it displays 'PIN changed successfully.'



[illegible]



# OnlineBanking

Globe Ash Banking

=== Welcome to G ash App ===

1. Register

2. Login

3. Exit

--- Main Menu ---

1. Check Balance

2. Cash In

Login

Username:

Password:

Login

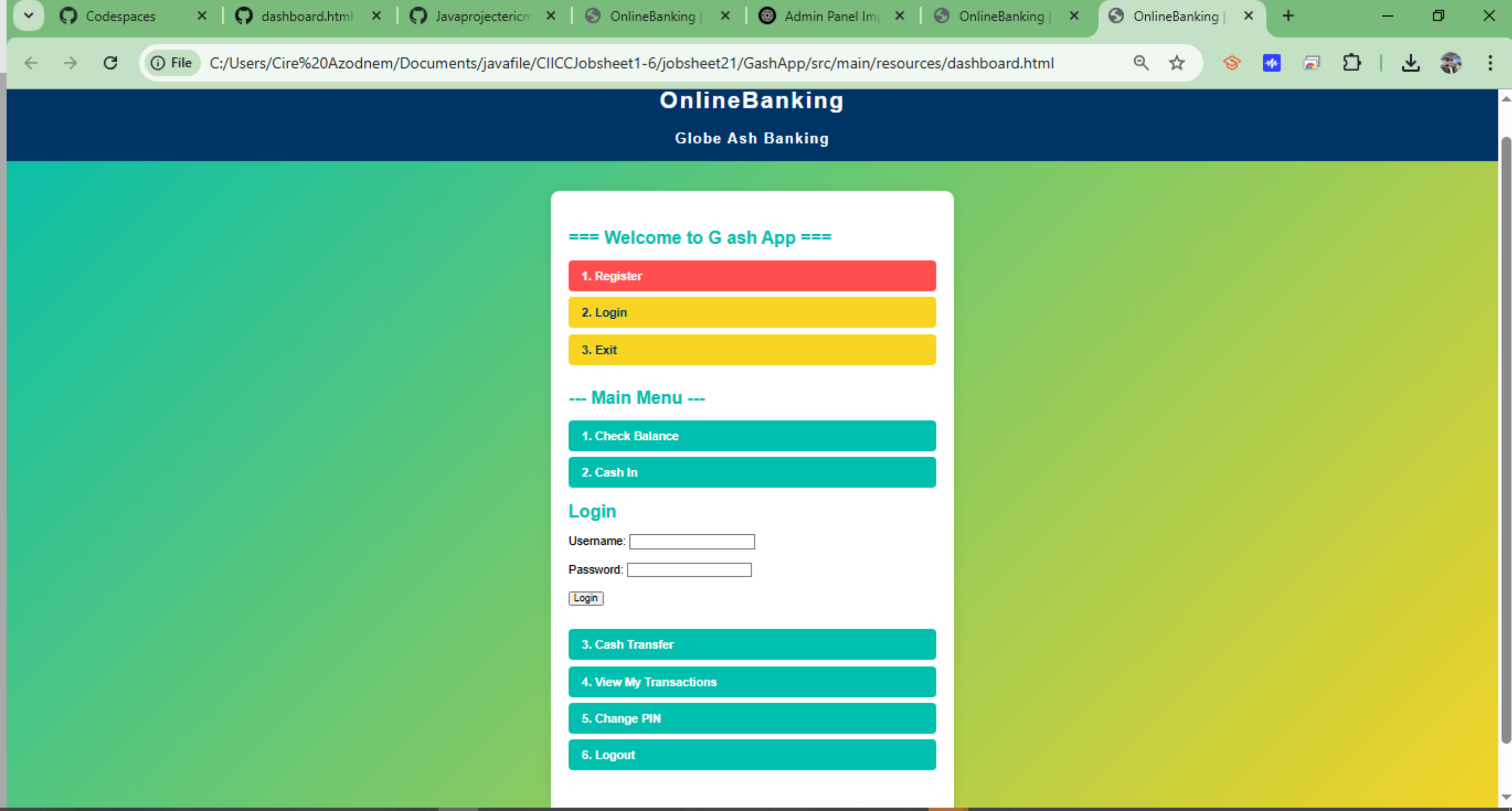
3. Cash Transfer

4. View My Transactions

5. Change PIN

6. Logout





# OnlineBanking

Globe Ash Banking

=== Welcome to G ash App ===

1. Register

2. Login

3. Exit

--- Main Menu ---

1. Check Balance

2. Cash In

Login

Username:

Password:

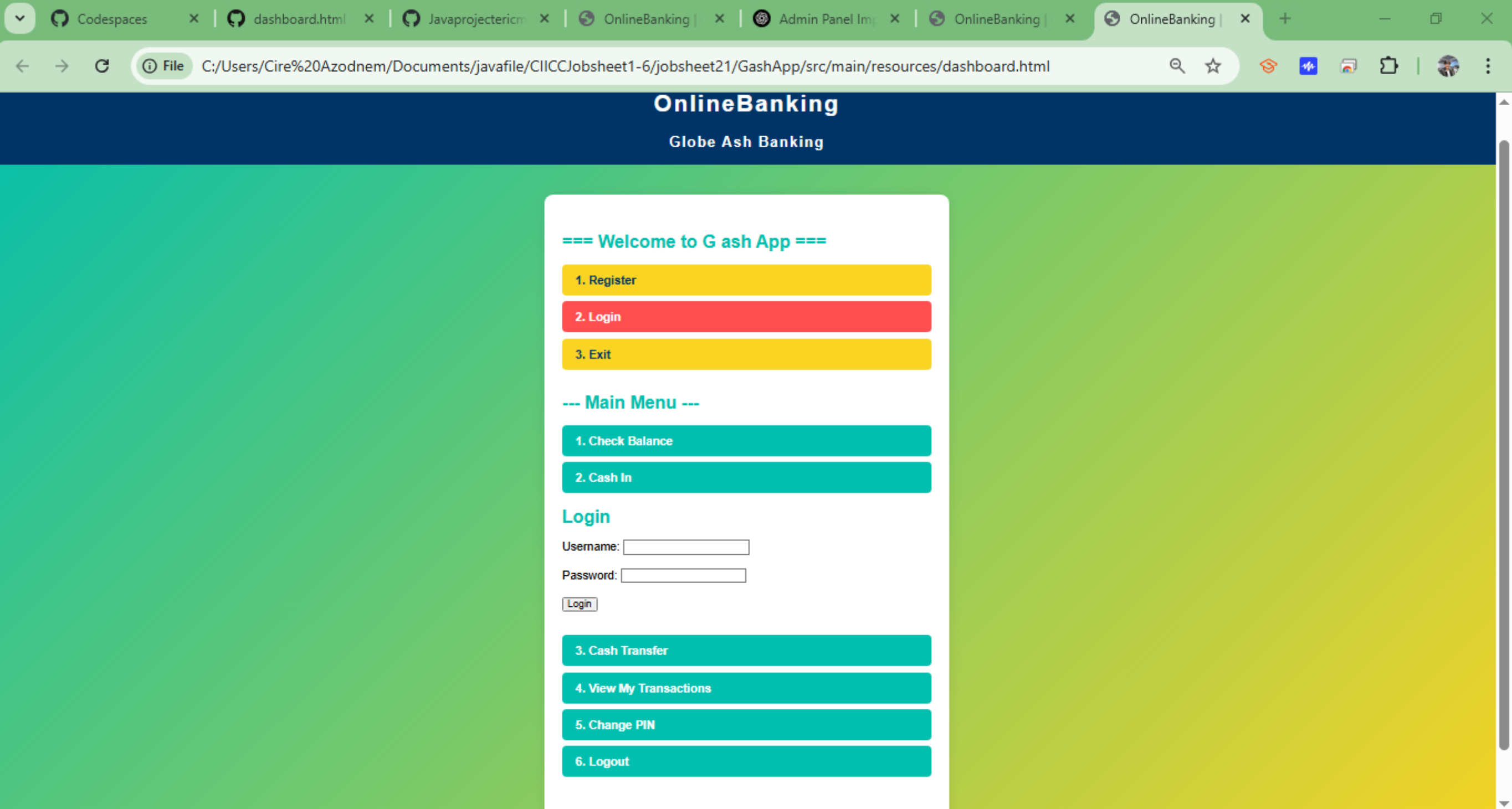
Login

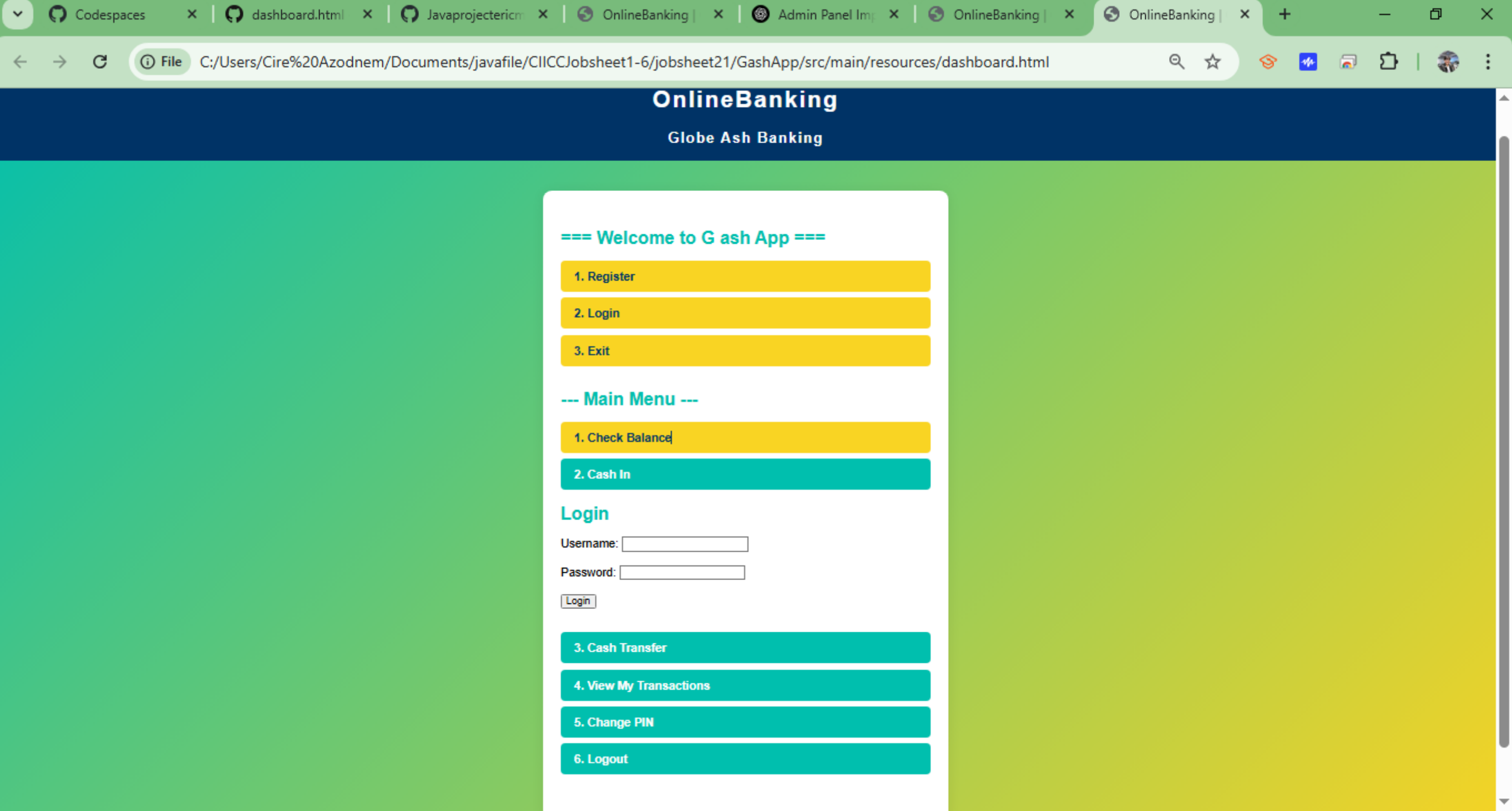
3. Cash Transfer

4. View My Transactions

5. Change PIN

6. Logout





# OnlineBanking

Globe Ash Banking

## === Welcome to G ash App ===

1. Register

2. Login

3. Exit

## --- Main Menu ---

1. Check Balance

2. Cash In

## Login

Username:

Password:

Login

3. Cash Transfer

4. View My Transactions

5. Change PIN

6. Logout