Digital Portfolio
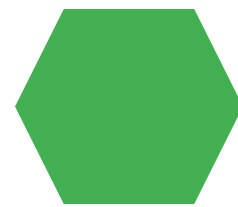
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PROJECT TITLE

Rock paper scissors

AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
7. Results and Screenshots
8. Conclusion
9. Github Link

PROBLEM STATEMENT

Traditional Rock-Paper-Scissors is a simple hand game but requires two players physically present. The problem is to create a digital version that allows a single player to play against the computer in an interactive and user-friendly way.

PROJECT OVERVIEW

This project is a digital implementation of the classic Rock-Paper-Scissors game. The user plays against the computer, which randomly selects rock, paper, or scissors. The system then compares the choices and declares the winner.

WHO ARE THE END USERS?

Students & Beginners – to learn programming and logic.

Casual Gamers – quick fun game for entertainment.

Developers – to showcase basic programming and GUI/console app development skills.

TOOLS AND TECHNIQUES

Programming Language: Python / Java / JavaScript (depending on platform)

Development Environment: VS Code / PyCharm / Eclipse

GUI (optional): Tkinter (Python), Swing (Java), or HTML/CSS/JS (Web version)

POTFOLIO DESIGN AND LAYOUT

Homepage/Start Screen: Game title and instructions.

Game Interface: Buttons for Rock, Paper, Scissors + computer choice display.

Scoreboard: Track wins, losses, and draws.

Result Display: Shows the winner for each round.

FEATURES AND FUNCTIONALITY

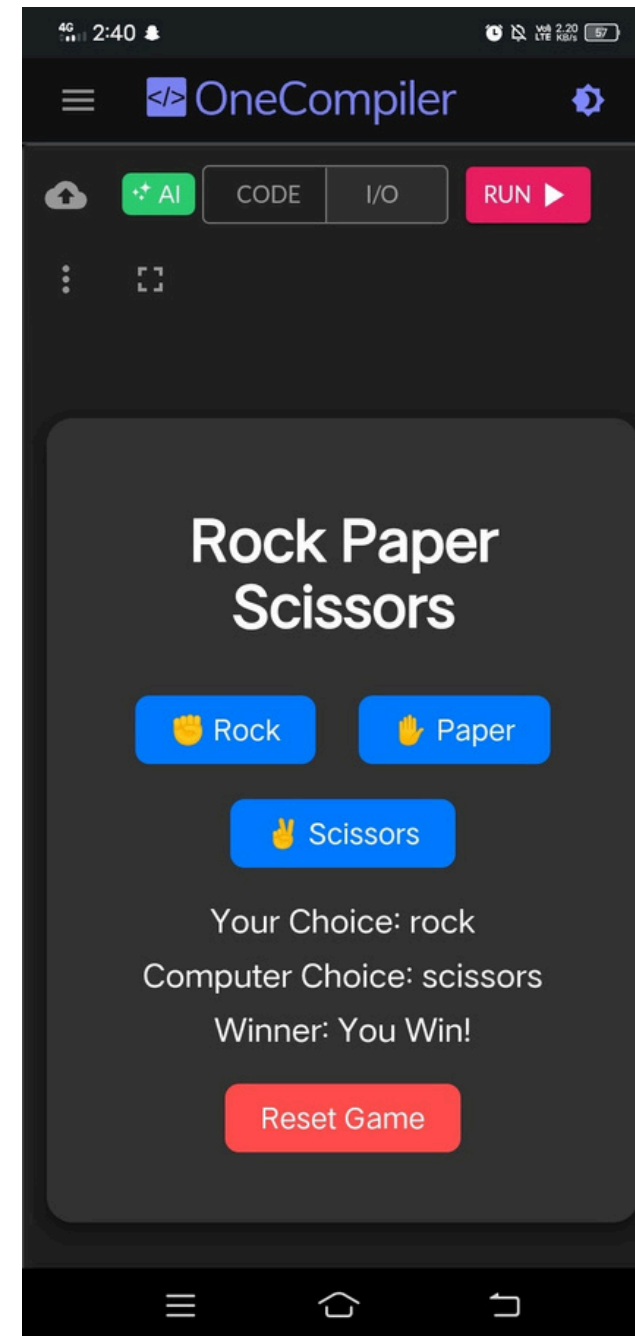Single-player mode against computer.

Random computer choice generation.

Real-time result display (win/lose/draw).

Scoreboard to track progress.

User-friendly design (GUI/Console).

RESULTS AND SCREENSHOTS

CONCLUSION

The Rock-Paper-Scissors project demonstrates basic programming concepts such as conditional statements, random number generation, and user interaction. It serves as a simple yet effective project for beginners to understand logic building and UI/UX design. Future improvements can include multiplayer mode, animations, or an online version.