

Presentations

JAVA Project
Game Metro

Group Members

u5922620 - Jiawei Fan

u7097254 - Ganaraj Rao

u6828533 - Yuxuan Lin

COMP1110/6710

Australian

National

University

Overview



Metro is a tile placement board game, made by games developer Dirk Henn.

Our project uses Java and JavaFX to implement a working Metro game.

We can enter the game's GUI by running the game.jar file. The JAR file was built on Viewer.java, which is the JAR file's main class.

GUI Design and Game Play

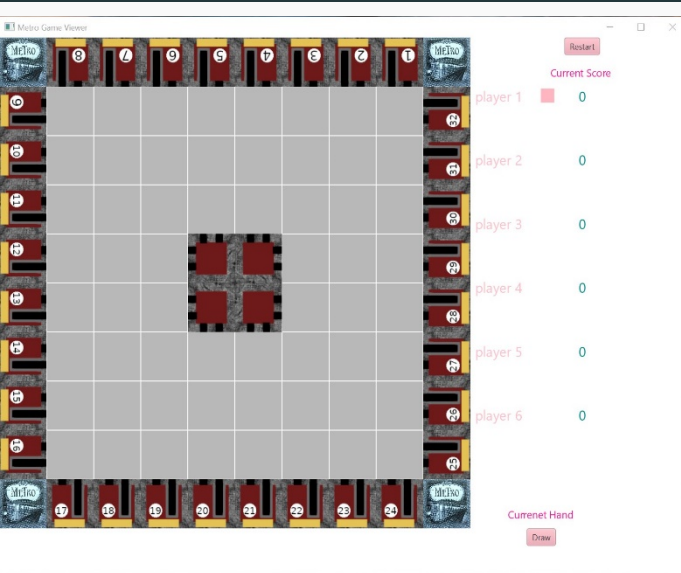
GUI Design and Game Play



Welcome Page:

- Choose to play with real players, AI players or advanced AI players.
- Type the number of players to start the game.

GUI Design and Game Play



Game Page:

- Board Layout

- Different Players

- Current Score

- Draw Button

- Restart Button

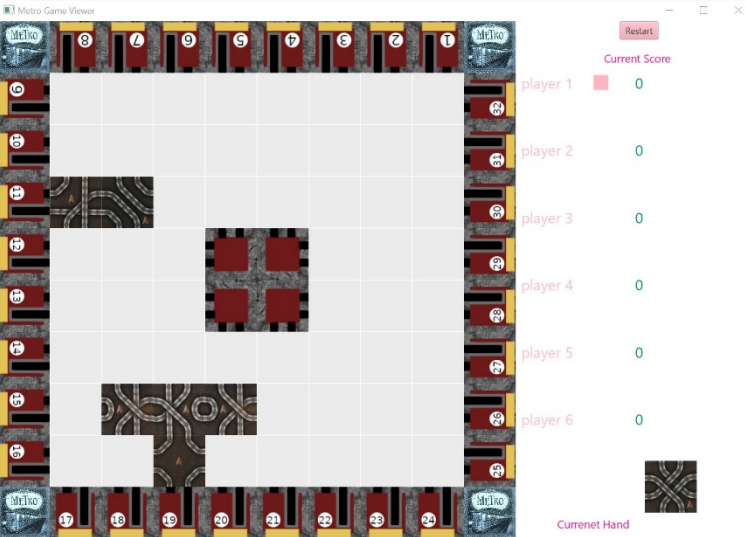
GUI Design and Game Play



Game Page:

-
Current Hand

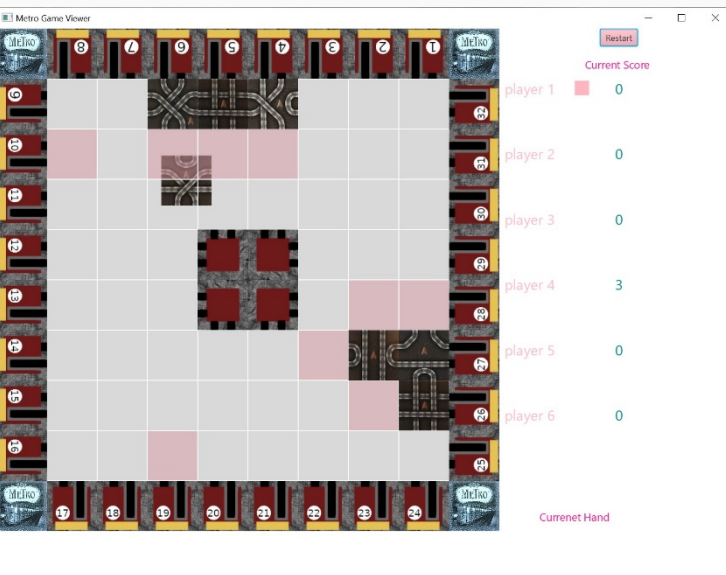
GUI Design and Game Play



Game Page:

-
Draw Again

GUI Design and Game Play

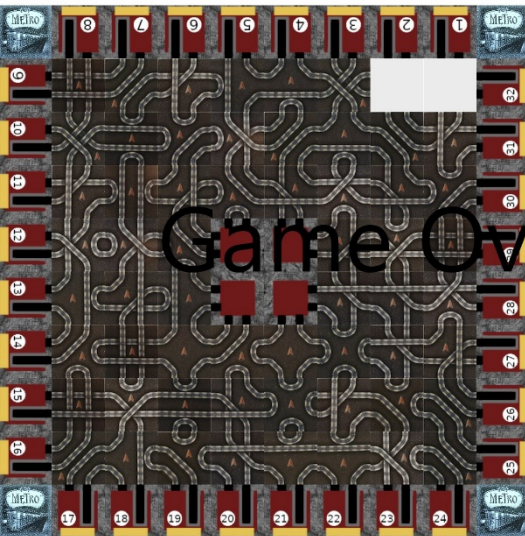


Game Page:

- Drag and Place

GUI Design and Game Play

Metro Game Viewer



Restart

Current Score

player 1

25

player 2

16

player 3

32

player 4

28

player 5



13

player 6

24

Current Hand

Game Page:

Game Over

AI Design



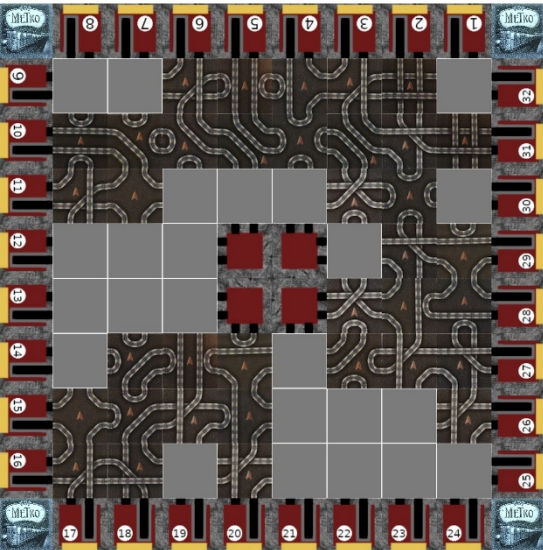
Animation:

-

Showing Movement of
Computer Player

AI Design

Metro Game Viewer



Restart

Current Score

player 1 17

player 2 5

player 3 0

player 4 6

player 5 2

player 6 2

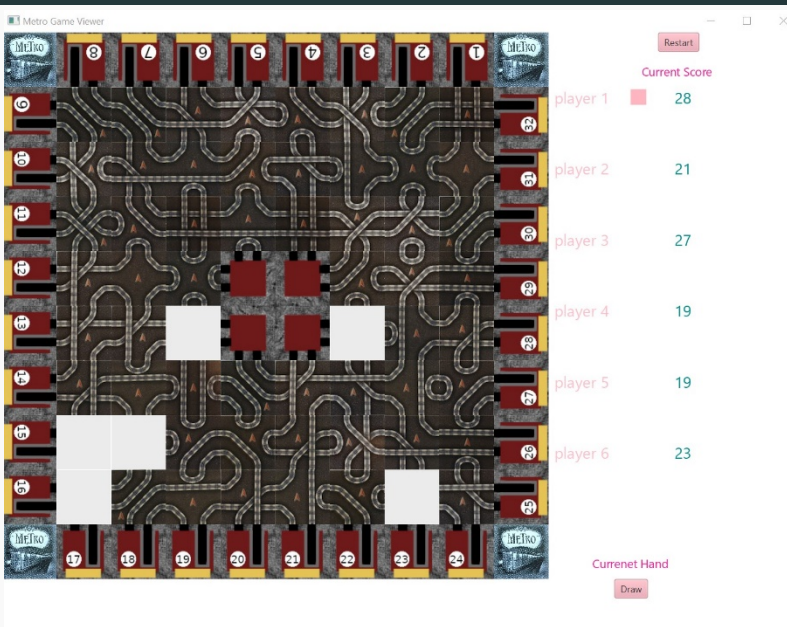
Current Hand

Draw

Simple AI Design

AI Design

Metro Game Viewer



The game board is a square maze with a dark brown background and light gray paths. The maze is bordered by a yellow and black striped frame. The top and bottom borders are labeled with numbers 1 through 24. The left and right borders are labeled with numbers 1 through 24. The center of the board features a large, complex maze structure. Several player pieces are visible on the board, including a red piece in the center and a white piece in the bottom left. The score table on the right lists the current scores for six players.

Restart

Current Score

player 1	28
player 2	21
player 3	27
player 4	19
player 5	19
player 6	23

Current Hand

Draw

**Advanced
AI
Design**

End of Presentation

Thanks for listening.

If you have any question,
feel free to ask.