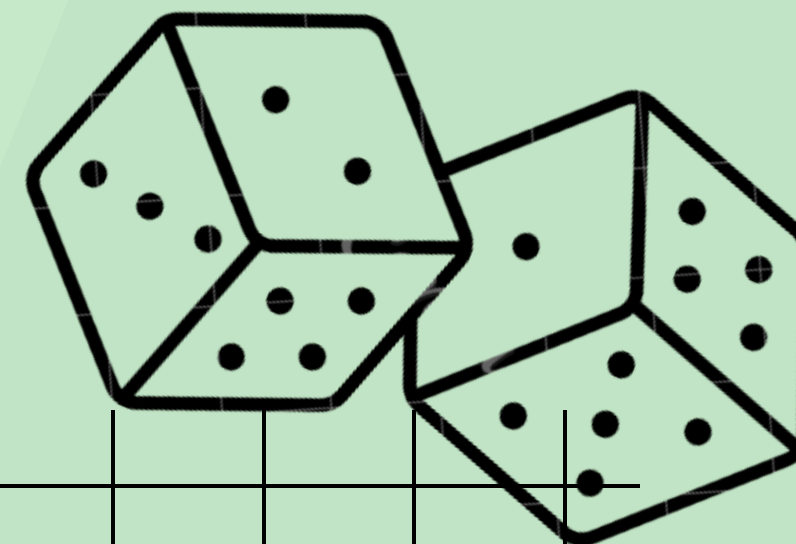# Introduction to Object-Oriented Programming

Group Project
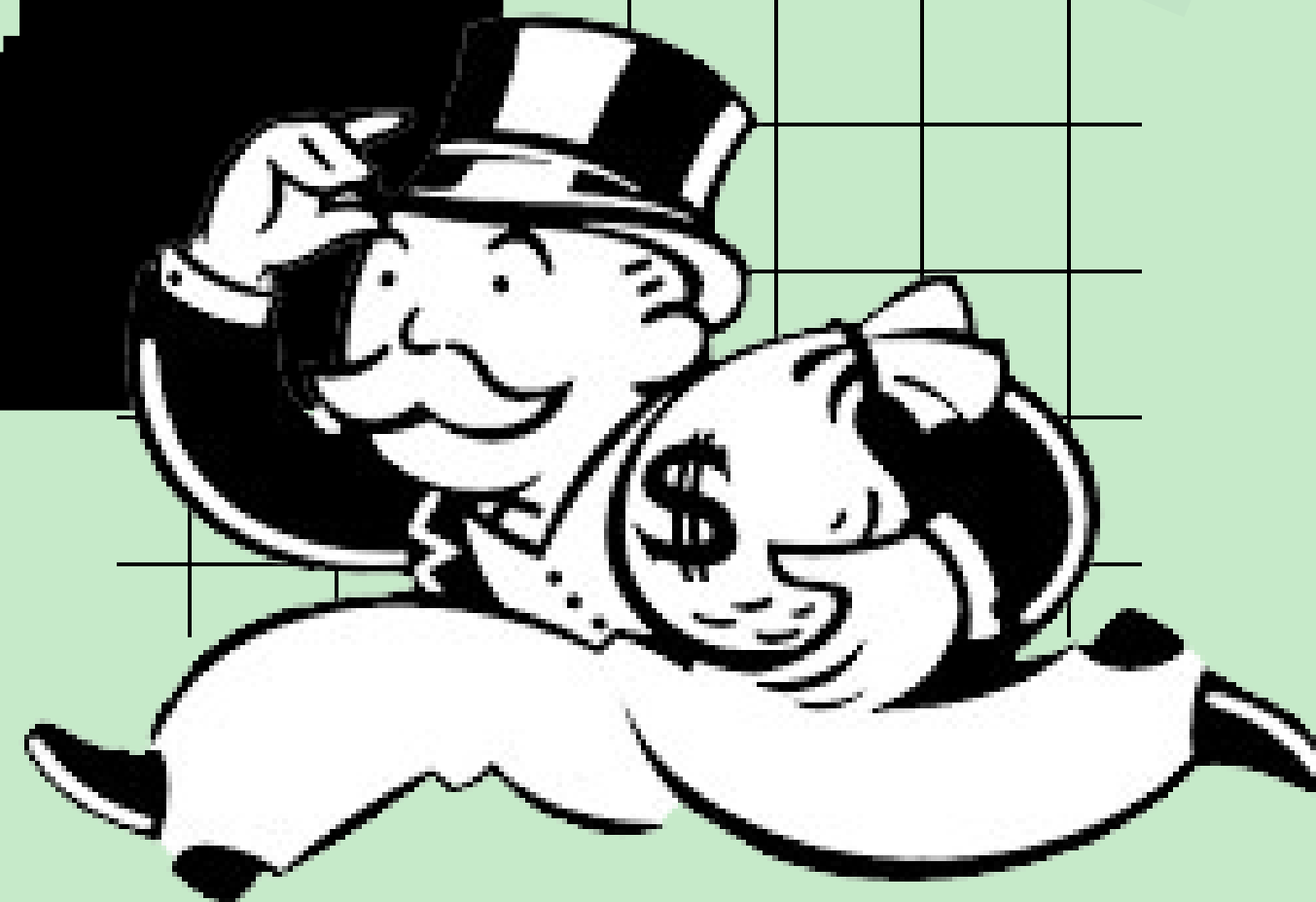
Team Members
Ani Margaryan
Sona Grigoryan
Ani Yedigaryan

MONOPOLY

with Java
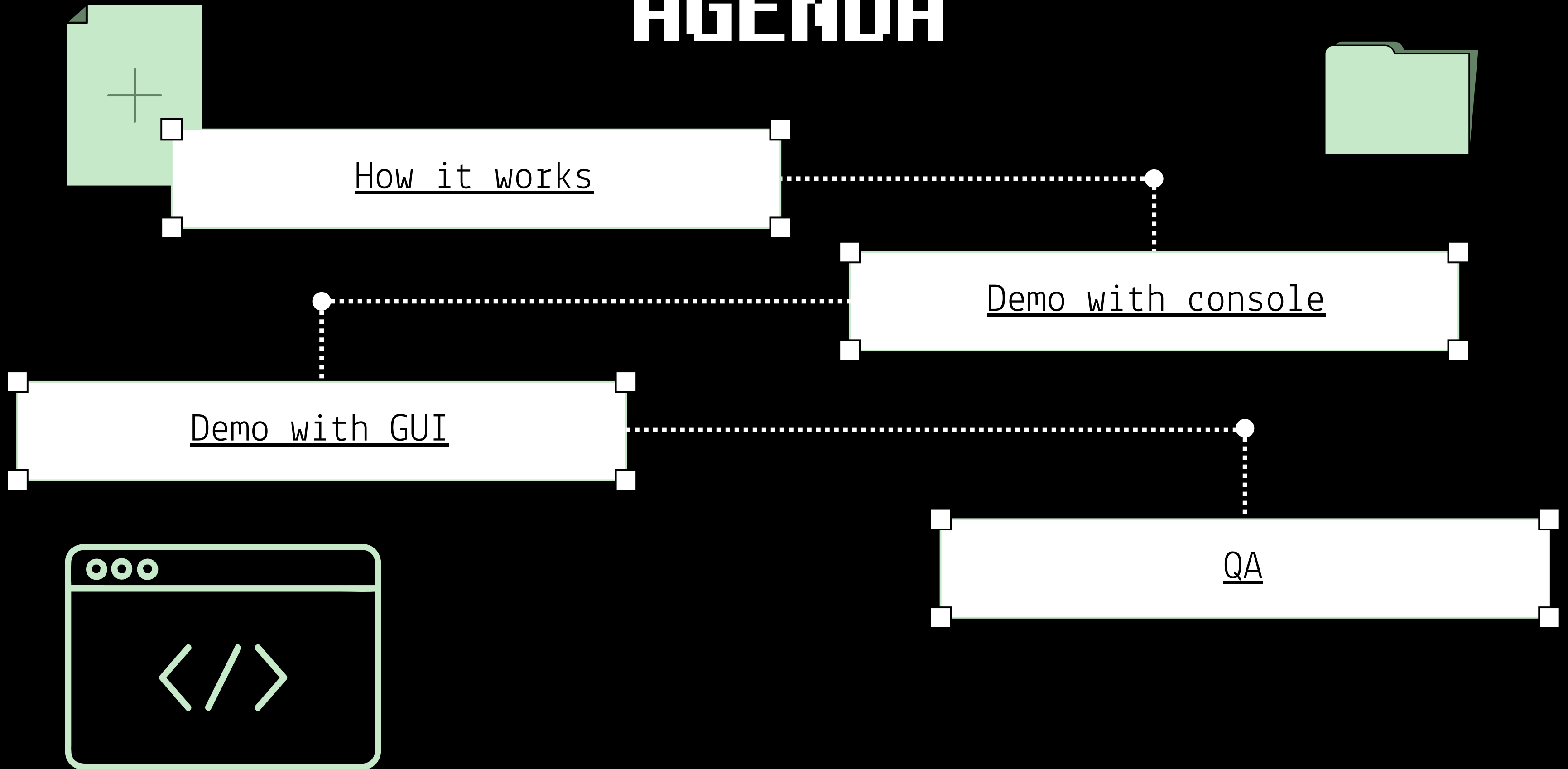
RULES

- 2-8 players
- Roll the dice
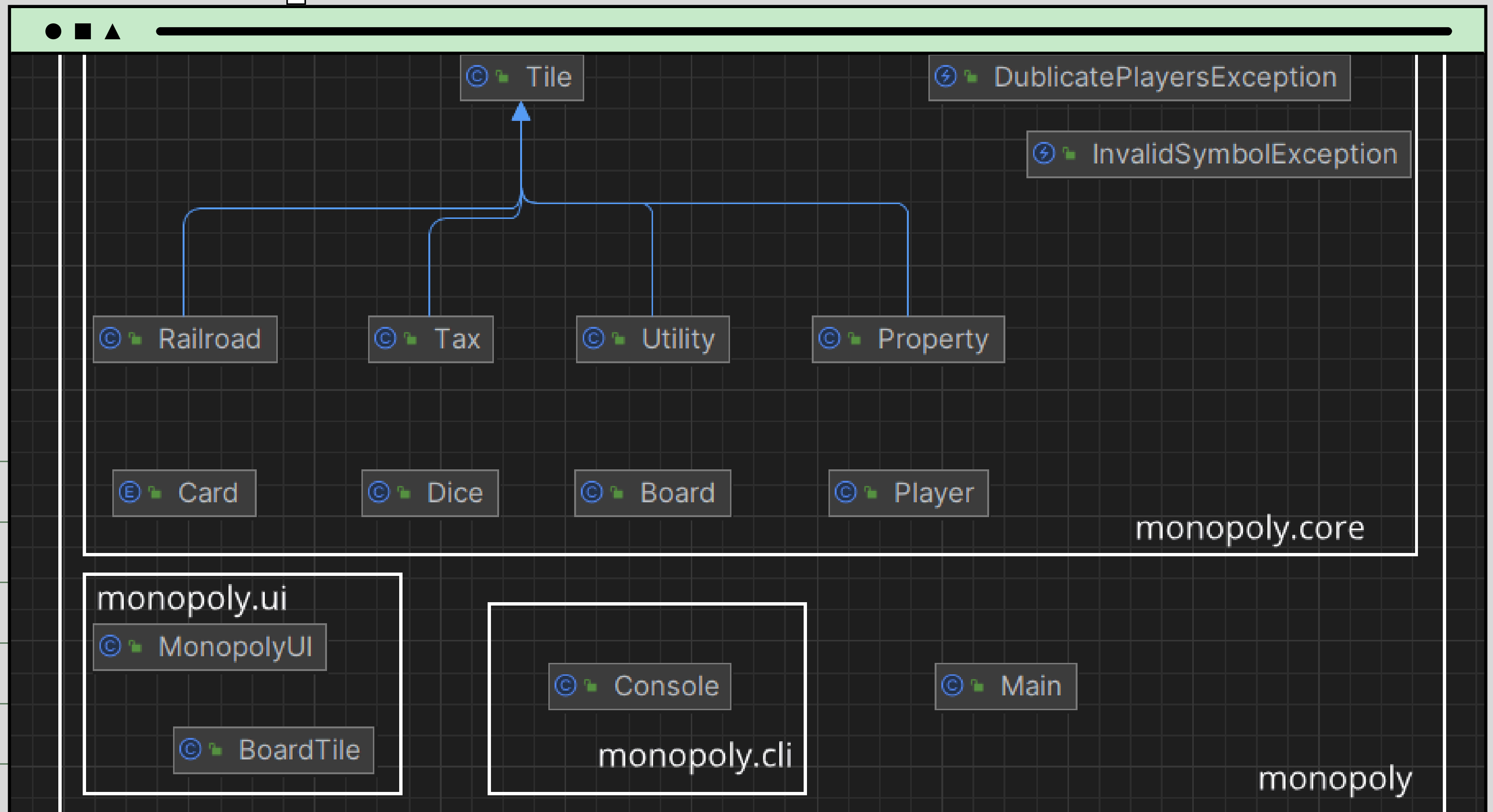- Buy properties
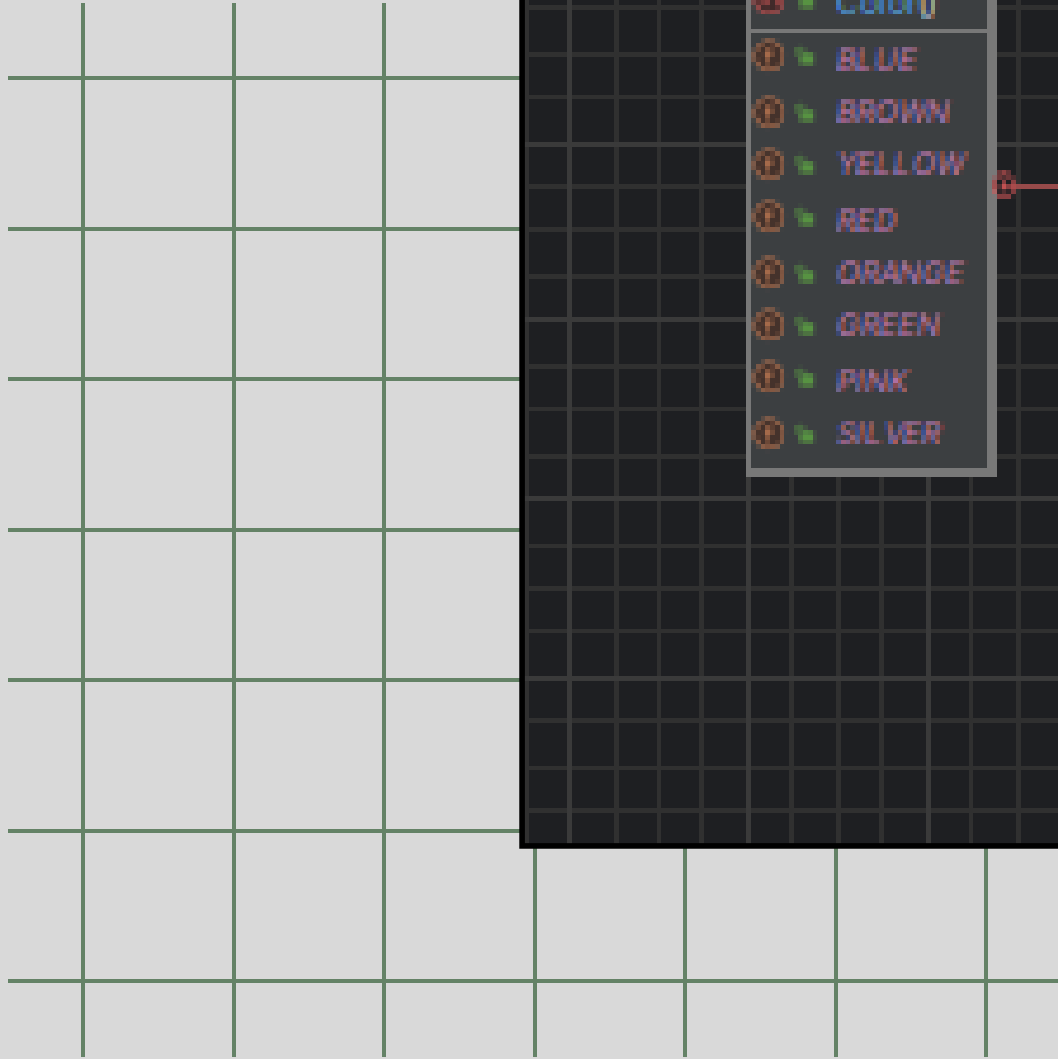- Collect rent
- Become rich and WIN!

Good! Luck!

AGENDA

How it works

Demo with console

Demo with GUI

QA

UML DIAGRAM

Tile

DublicatePlayersException

InvalidSymbolException

Railroad   Tax   Utility   Property

Card   Dice   Board   Player

monopoly.core

monopoly.ui

MonopolyUI

BoardTile

Console

monopoly.cli

Main

monopoly

BOARD

Color
- Color()
- BLUE
- BROWN
- YELLOW
- RED
- ORANGE
- GREEN
- PINK
- SILVER

Board
- Board(int)
- CARD_IN_DECK_SIZE   int
- indexForCommunityChestCard int
- BOARD_SIZE   int
- chanceDeck   Card[]
- players   Player[]
- turn   Symbol
- communityChestDeck   Card[]
- indexForChanceCard   int
- propertiesOwned   Player[]
- board   Tile[]

Description
- Description()
- OWNED_UTILITY
- MY_PROPERTY
- NOT_OWNED_PROPERTY
- NOT_OWNED_RAILROAD
- OWNED_PROPERTY
- NOT_OWNED_UTILITY
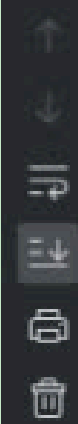- GO_TO_JAIL
- TAX
- MY_RAILROAD
- COMMUNITY
- CHANCE
- MY_UTILITY
- OWNED_RAILROAD

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2023.3.6\lib\idea_rt.jar=51235:C:\Program Files\JetB
Enter number of players:
17
Game needs 2-8 players
0
Game needs 2-8 players
3
```
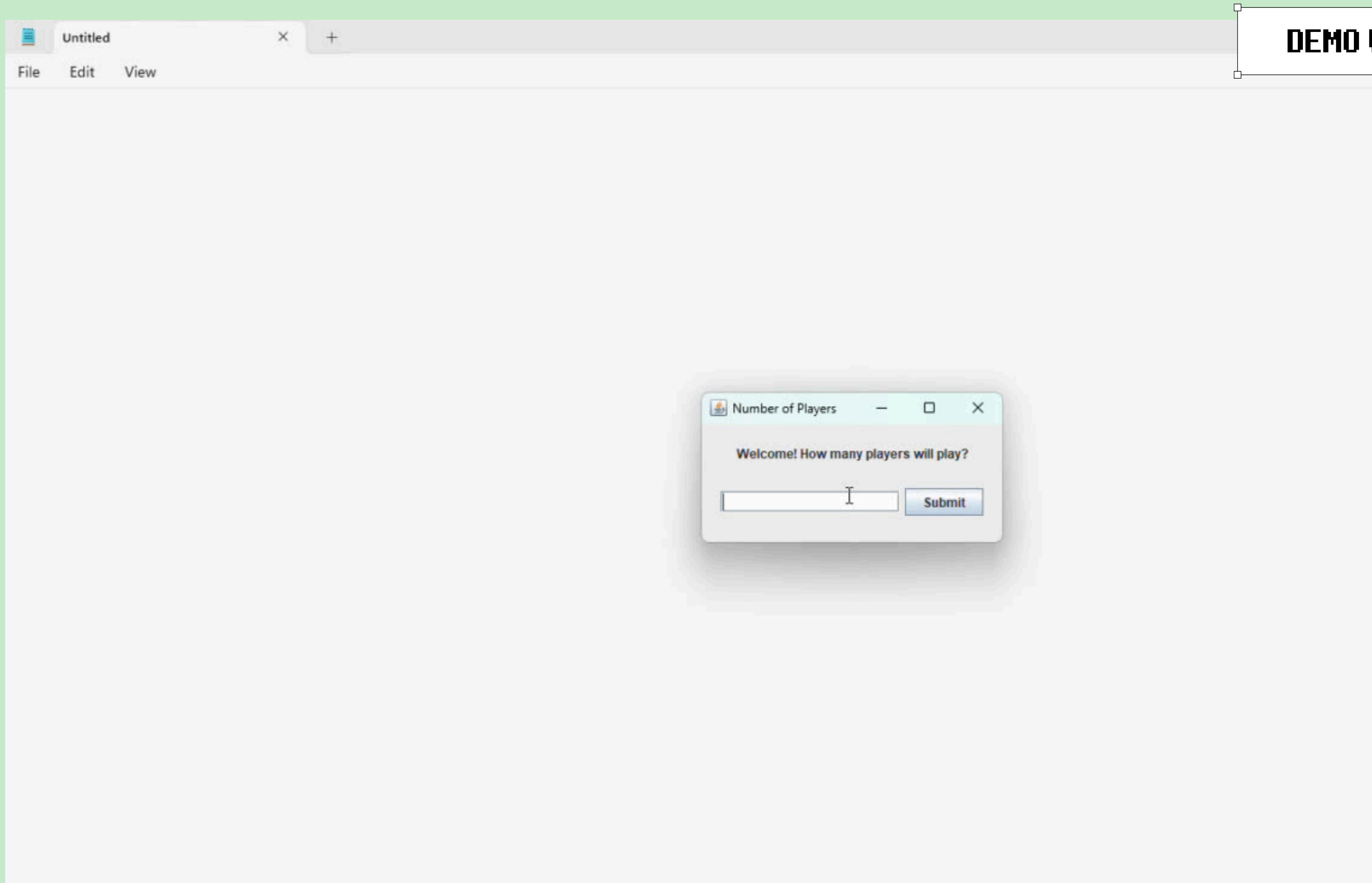
Untitled

File   Edit   View

Number of Players

Welcome! How many players will play?

Submit

Thank you!

Any Questions?