



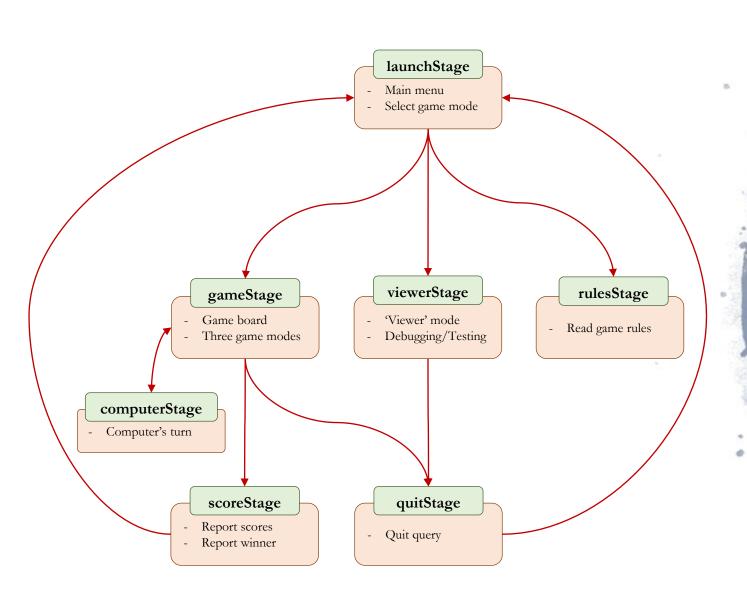
Game Design

UI Design

Code Design

Method Example

Demonstration





Flow of game

Relationship between Stages

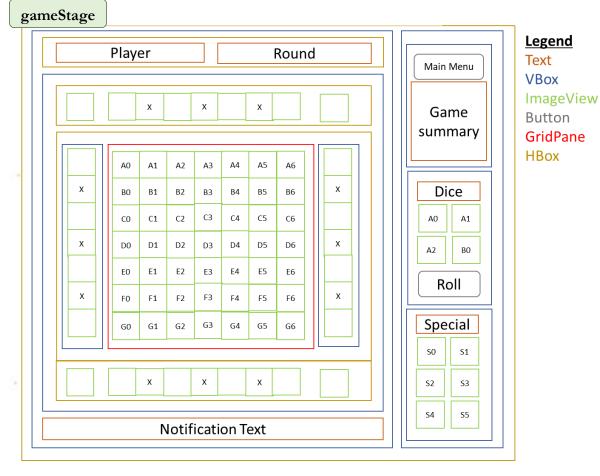
Function of Stages



Break into components

Find suitable JavaFX classes

Plan hierarchy and layout



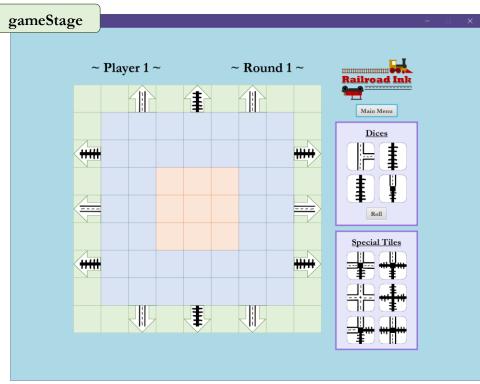










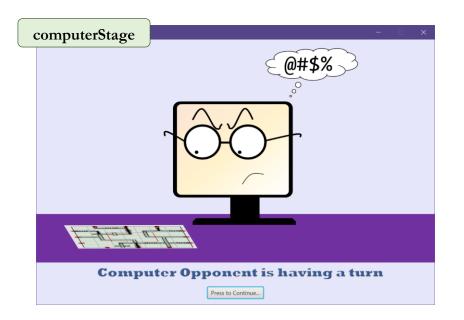


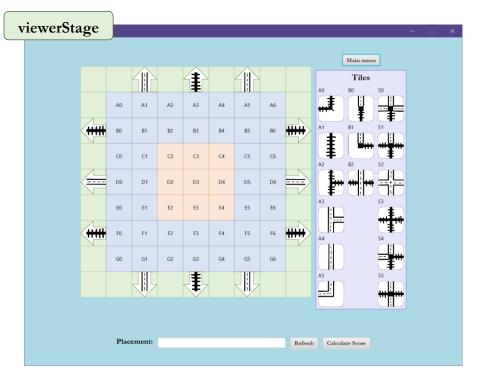
Final designs











UI Classes

Viewer

- Main UI class
- Builds and launches all Stages

ImageHandler

Image retrieval and manipulation

SpecialTiles

- State and behavior of the special tiles sub-UI

Dices

- State and behavior of dices sub-UI

Primary Game Classes

Board

Checks placement validity

ScoreCalculator

Stores all placements

ComputerOpponent

- State and behavior of computer opponent.

Tile

- All score calculation - State and behavior methods of tiles

- Utility methods

RailroadInk

Utility Classes

Iterator

Enable iteration around the edges of a tile

PlayerData

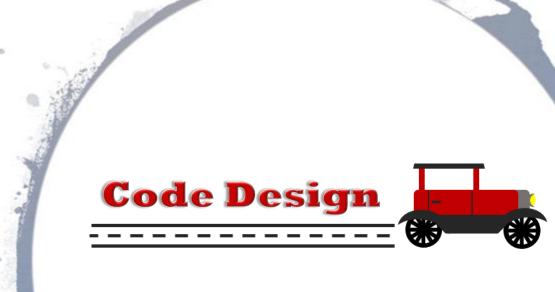
Placement

Enable easy access

placement string

to components of a

Store game data for each player



Classes

