

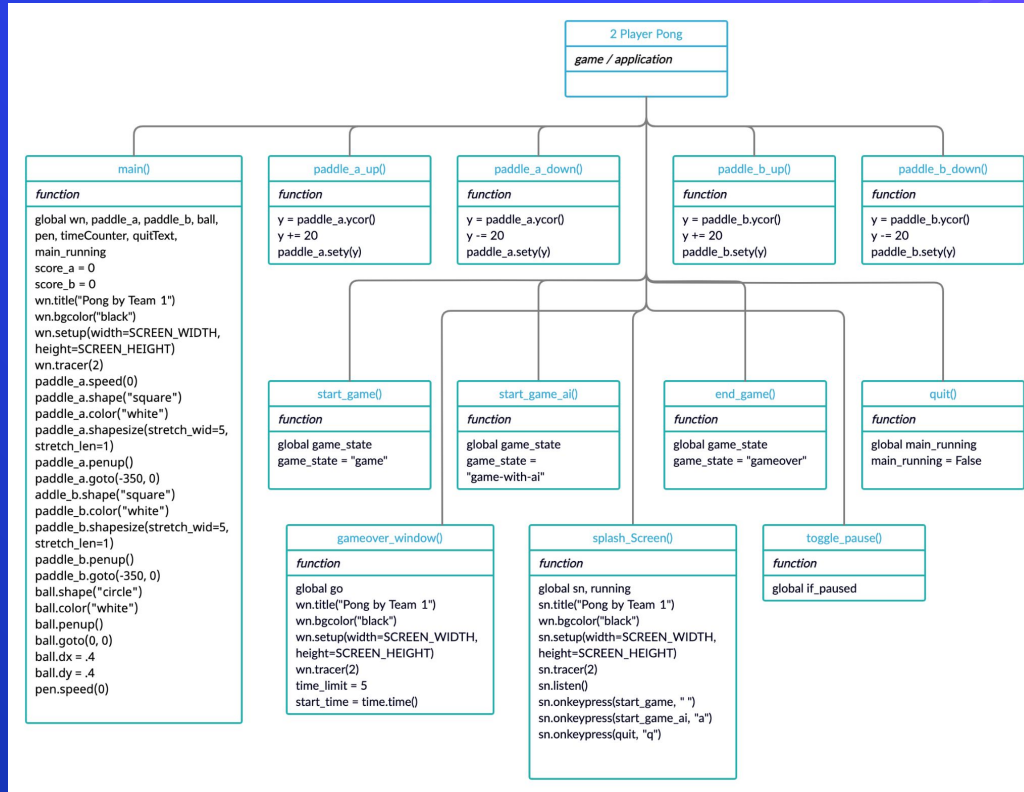
2-Player Pong



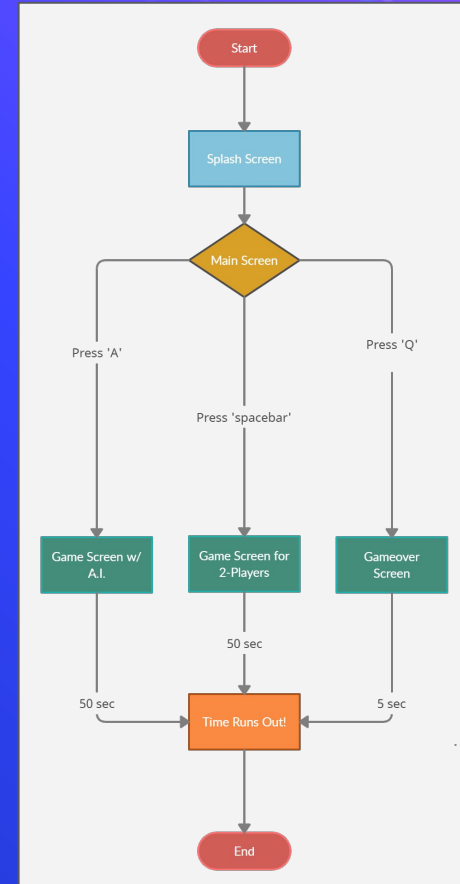
By: Team 1

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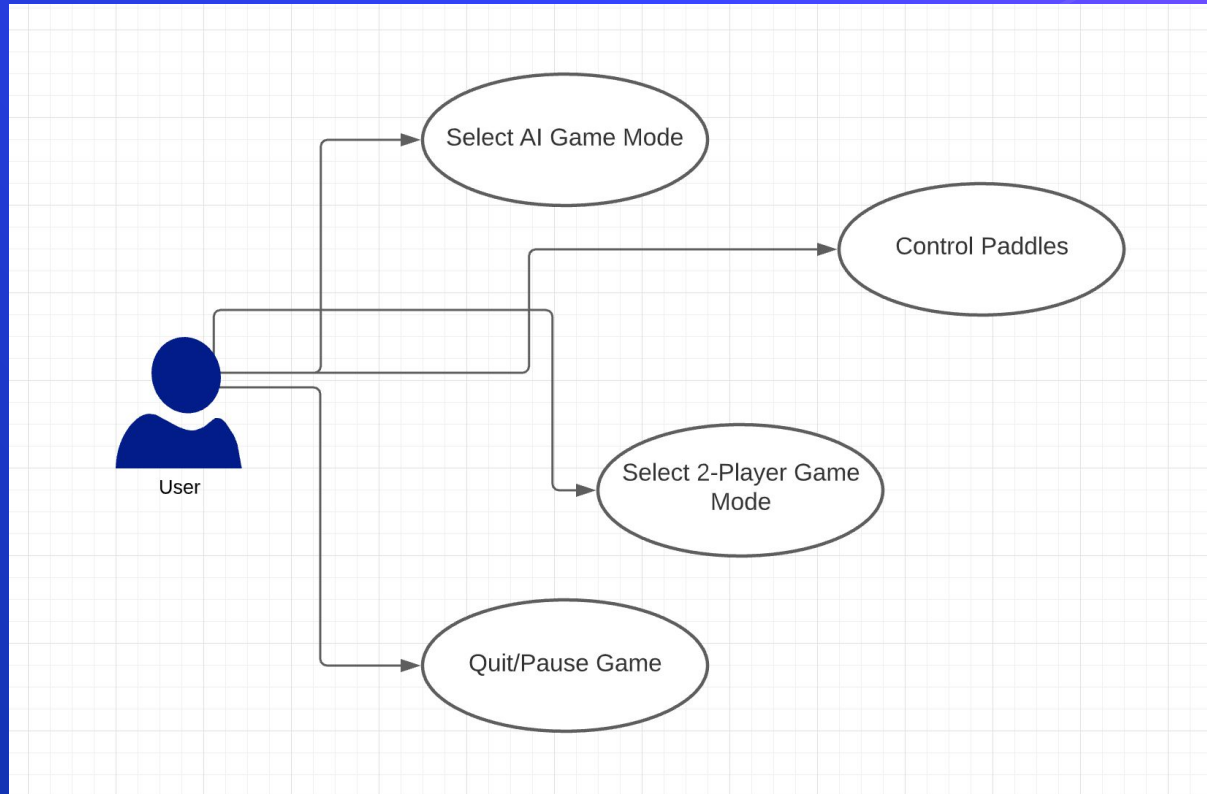
CRC Diagram



Activity Diagram



Use Case Diagram

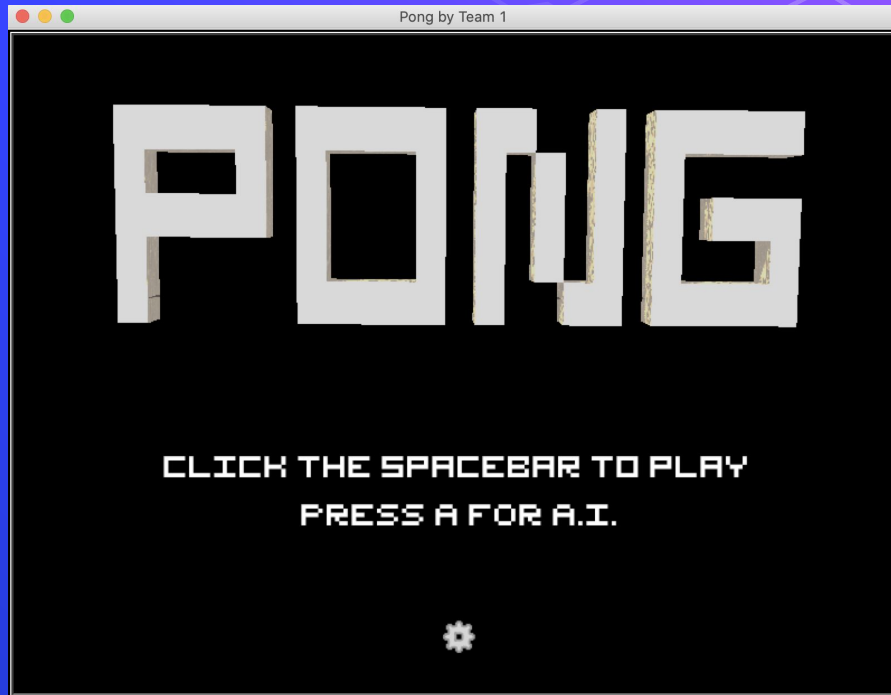


Running 2-Player Pong

- 1) Install Python
- 2) Open CMD/terminal/python and navigate to the unzipped 2pong folder directory.
i.e. C:\Users\%USERNAME%\Desktop\2pong
- 2) Type “python3 2pong.py” on the command prompt.
- 3) Enjoy!

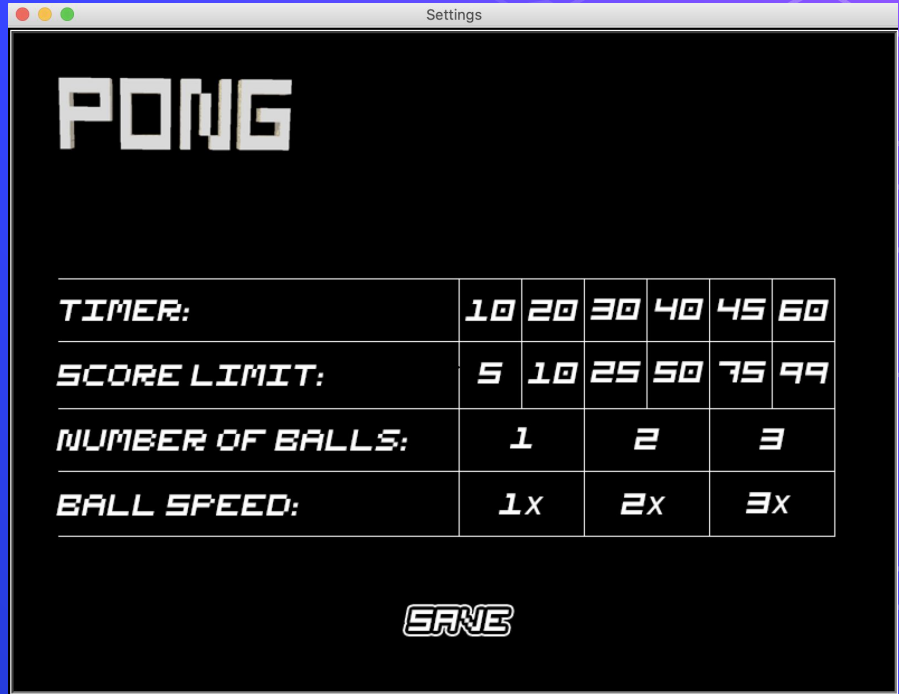
Menu Screen

- ⬡ User has three options:
 - Spacebar: 2 player mode
 - A: 1 play mode vs AI
 - Click settings



Settings Screen

- ⬡ User has four options:
 - Timer: 10-60 seconds
 - Score Limit: 5-99 points
 - Number of Balls: 1-3
 - Ball Speed: 1x, 2x, 3x
- ⬡ Save Button saves their choices.



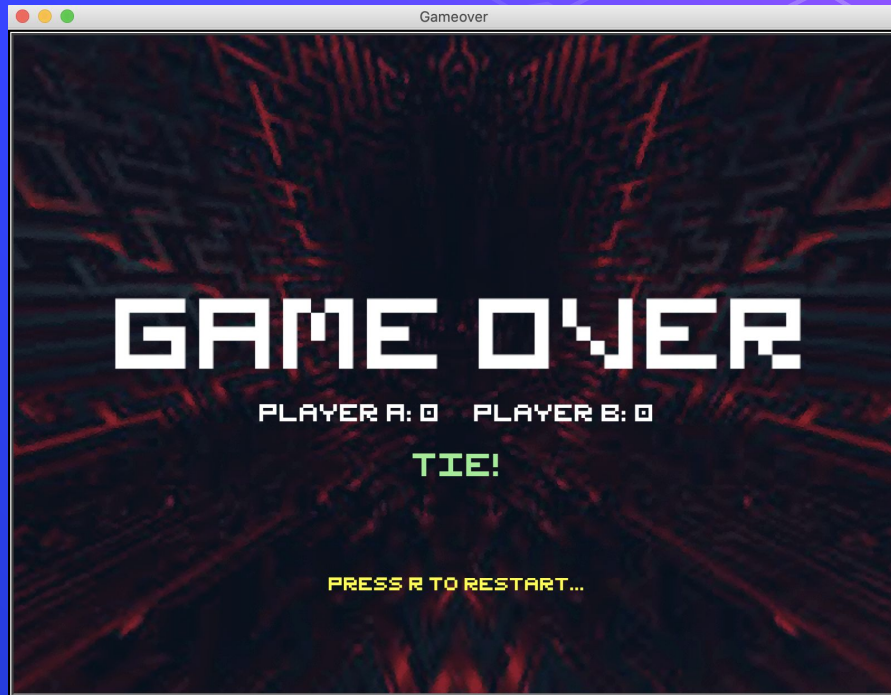
Game Screen

- ⬡ This is the main game screen where selecting A.I. the paddle on the right would be the CPU and the paddle on the left is controlled by WASD.
- ⬡ A timer and scoreboard will appear once the game is started.



Game Over Screen

- ⬡ After game over, score is displayed and determines winner.
- ⬡ User has ability to play again by pressing “r”.
- ⬡ If after 10 seconds user decided not to play again, game will close automatically.



Work Split

- ◻ Bryan:
 - Ball speed
 - Scoreboard
 - Settings (Timer, Score, Num. of Balls, Ball Speed)
- ◻ Mahdi:
 - Game Layout
 - Paddle movement
 - 2-Player functionality
- ◻ Eduardo:
 - Game Timer Logic
 - Game menu and Splash Screen programming and design - User interface and graphics
 - Ball Collision audio (windows only)
 - A.I.

