Assignment 2 Presentation

Group Tue 12i - Members

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- Code structure design
- Back-end design

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- Code structure design
- Front-end design

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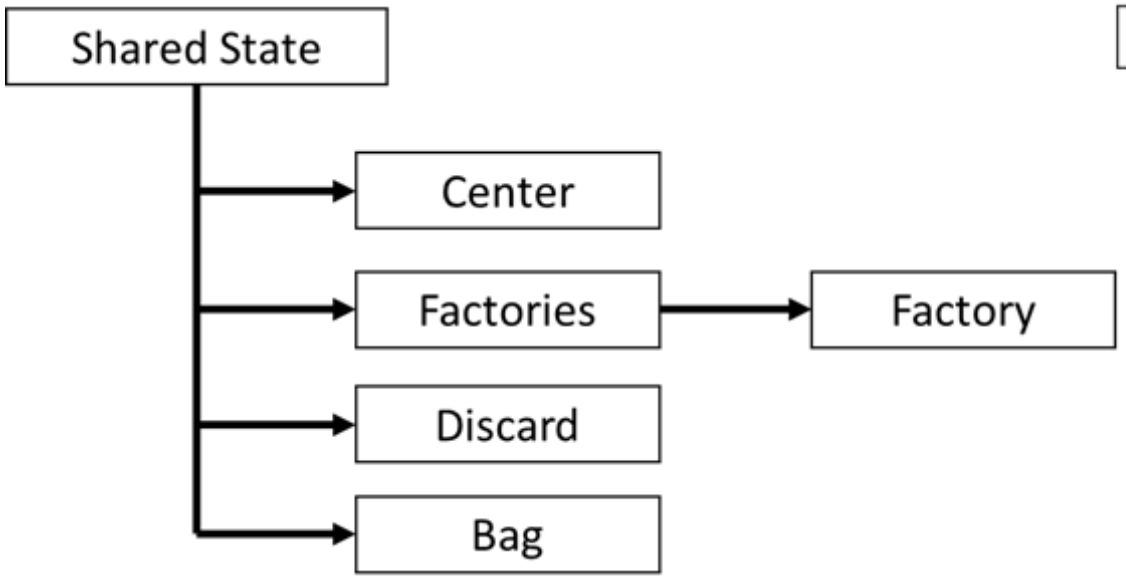
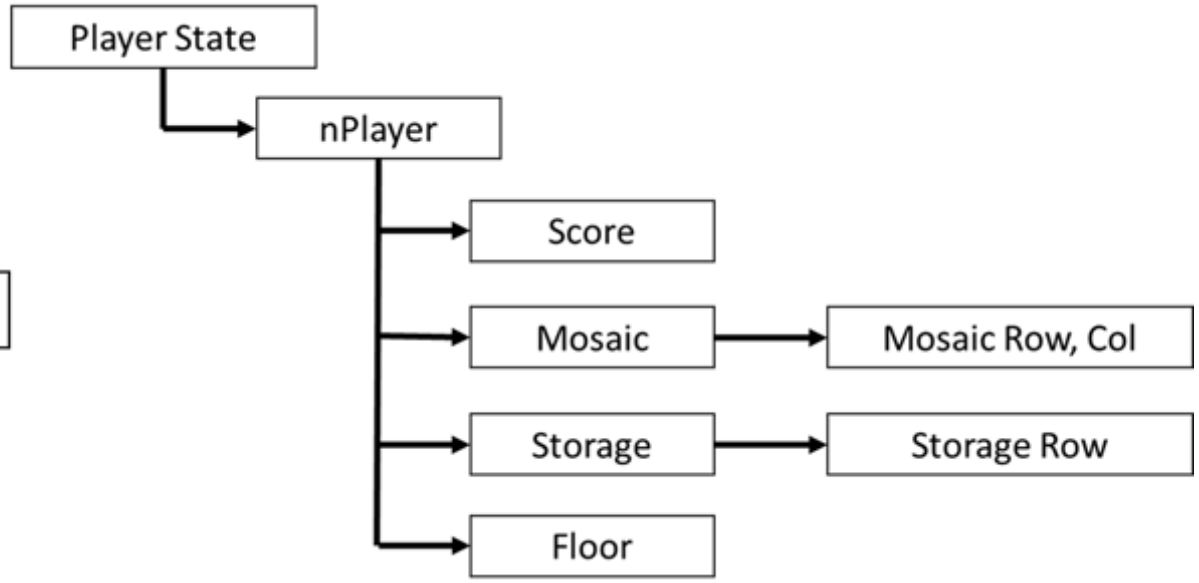
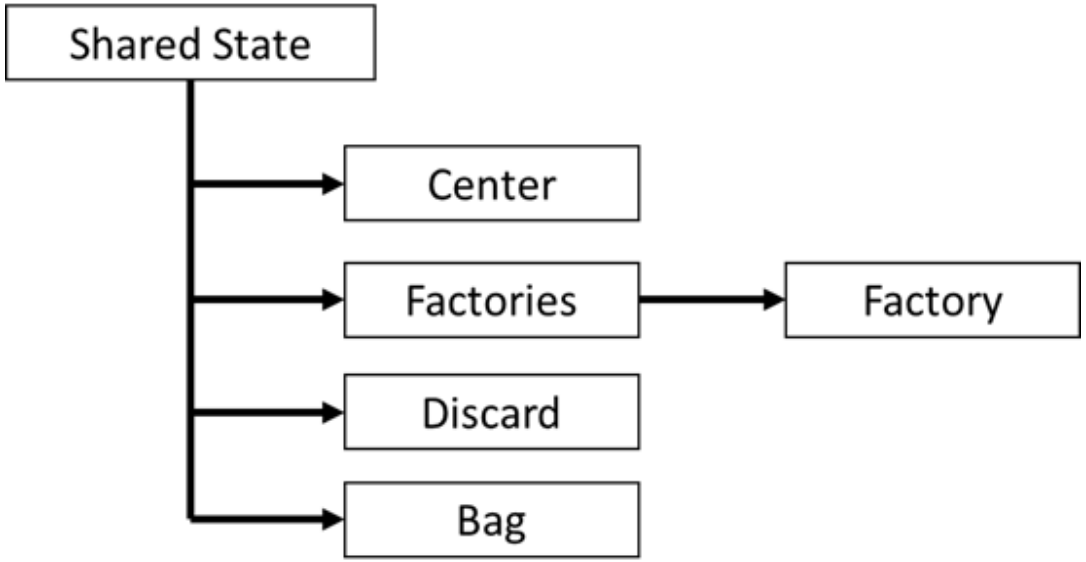


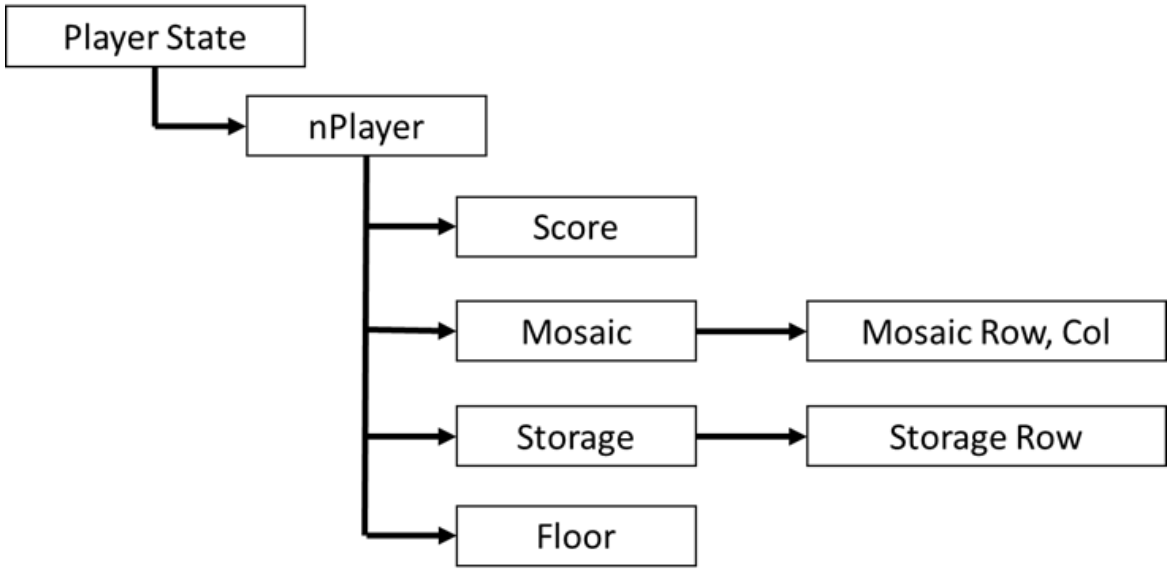


Design Approach

Design Approach

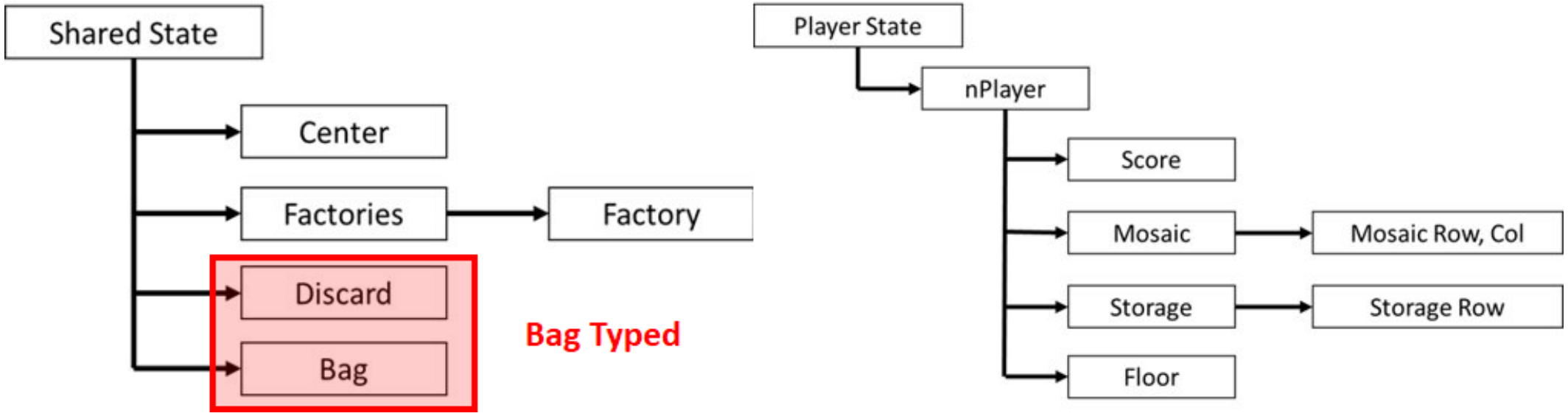
- Well defined structure and object
  - Shared State
  - Player State





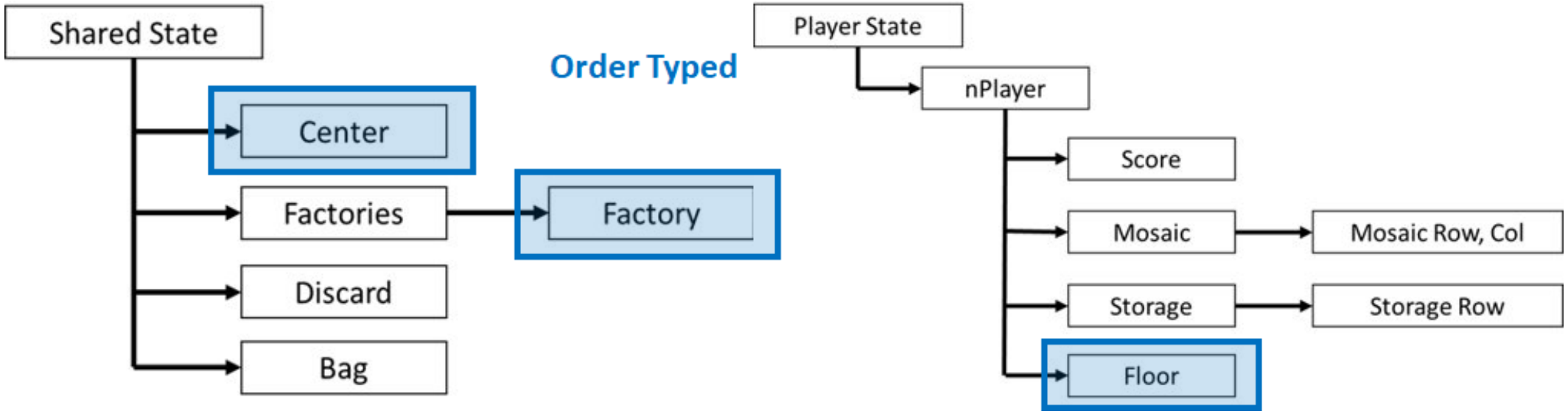
Design Approach

- Well categorized object type
  - Bag typed : number of tiles
    - Tiles stored like "1215080914"



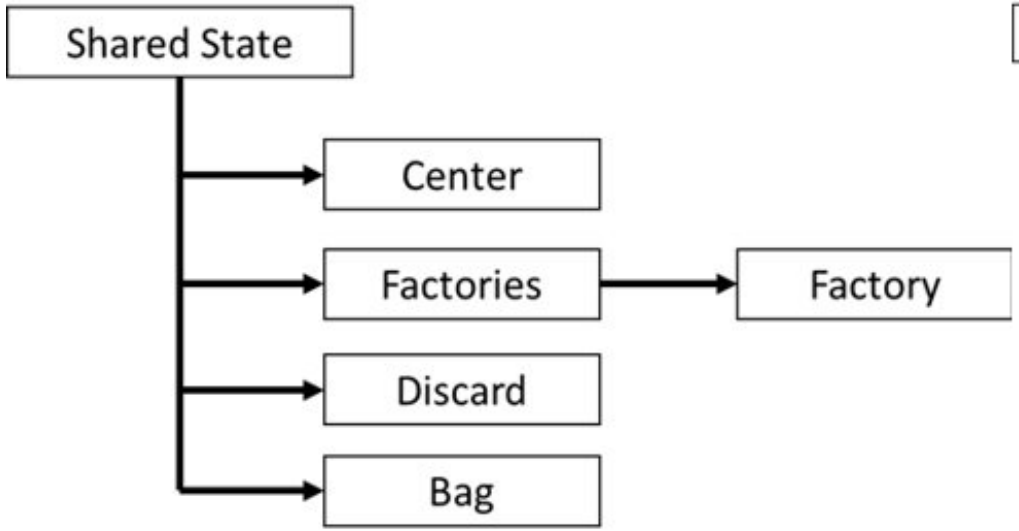
Design Approach

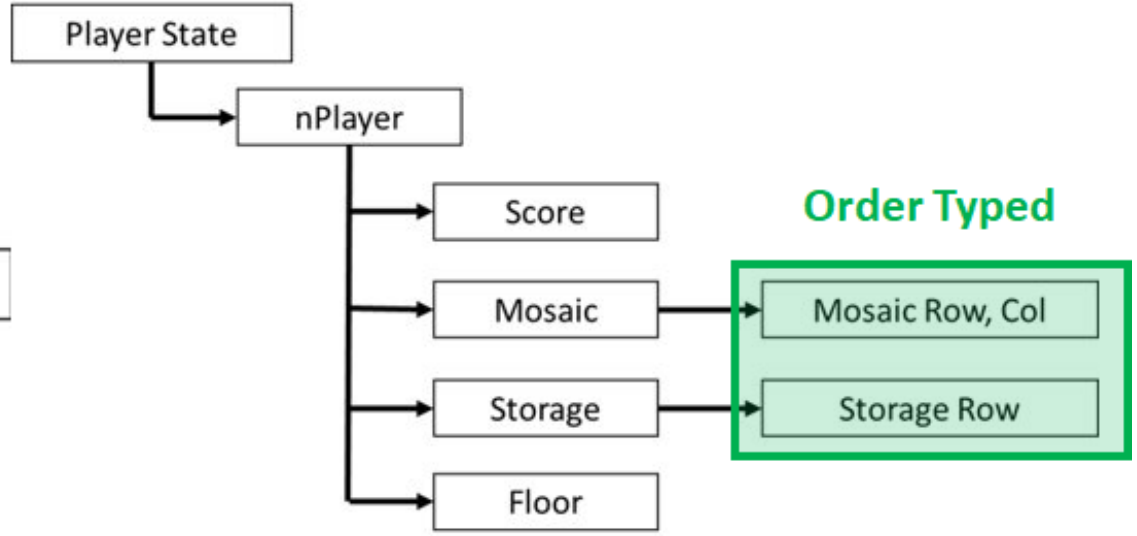
- Well categorized object type
  - Order typed : color of tiles
    - Tiles stored like "aaabbbccdd"

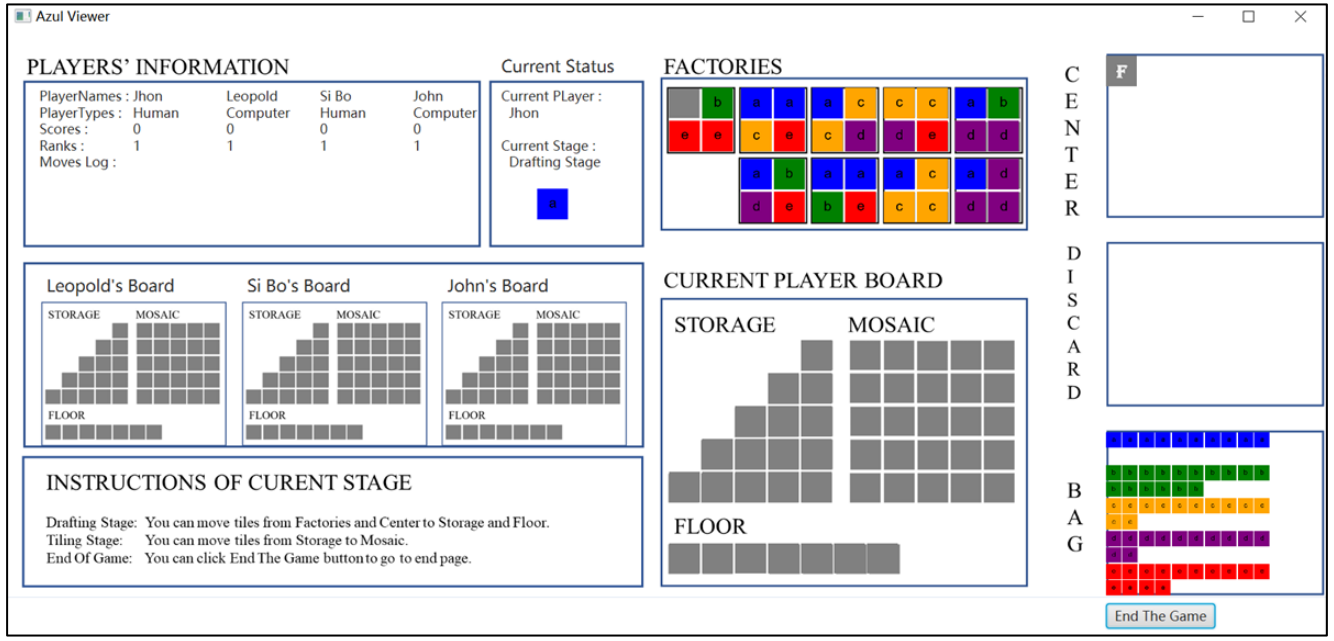


Design Approach

- Well categorized object type
  - Coordinate typed : position of tiles
    - Tiles stored with color and specific position



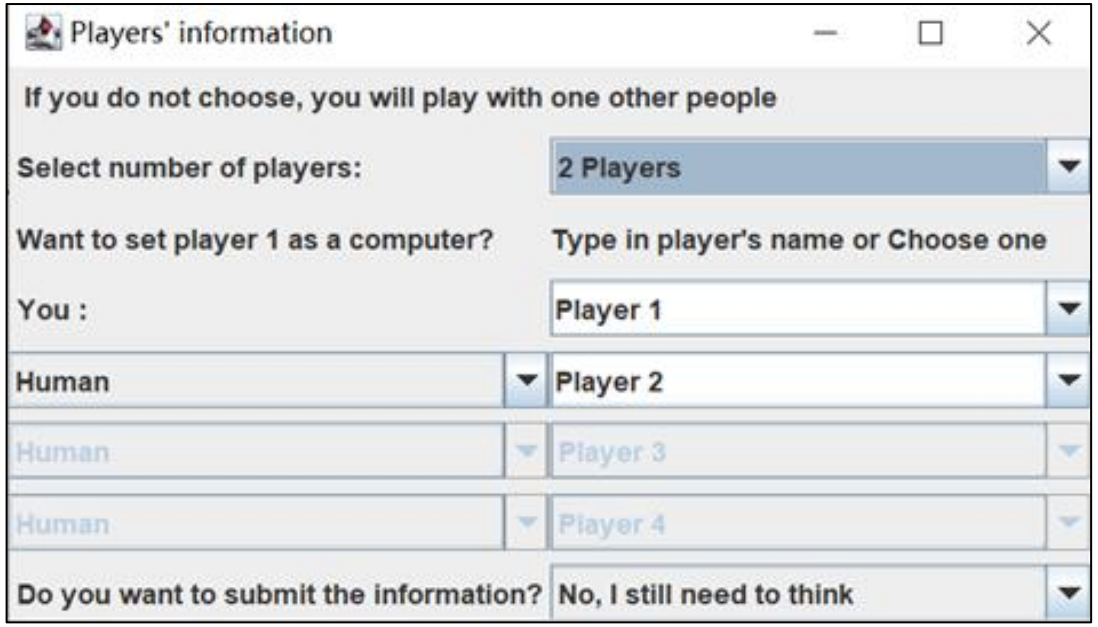




Starting Game

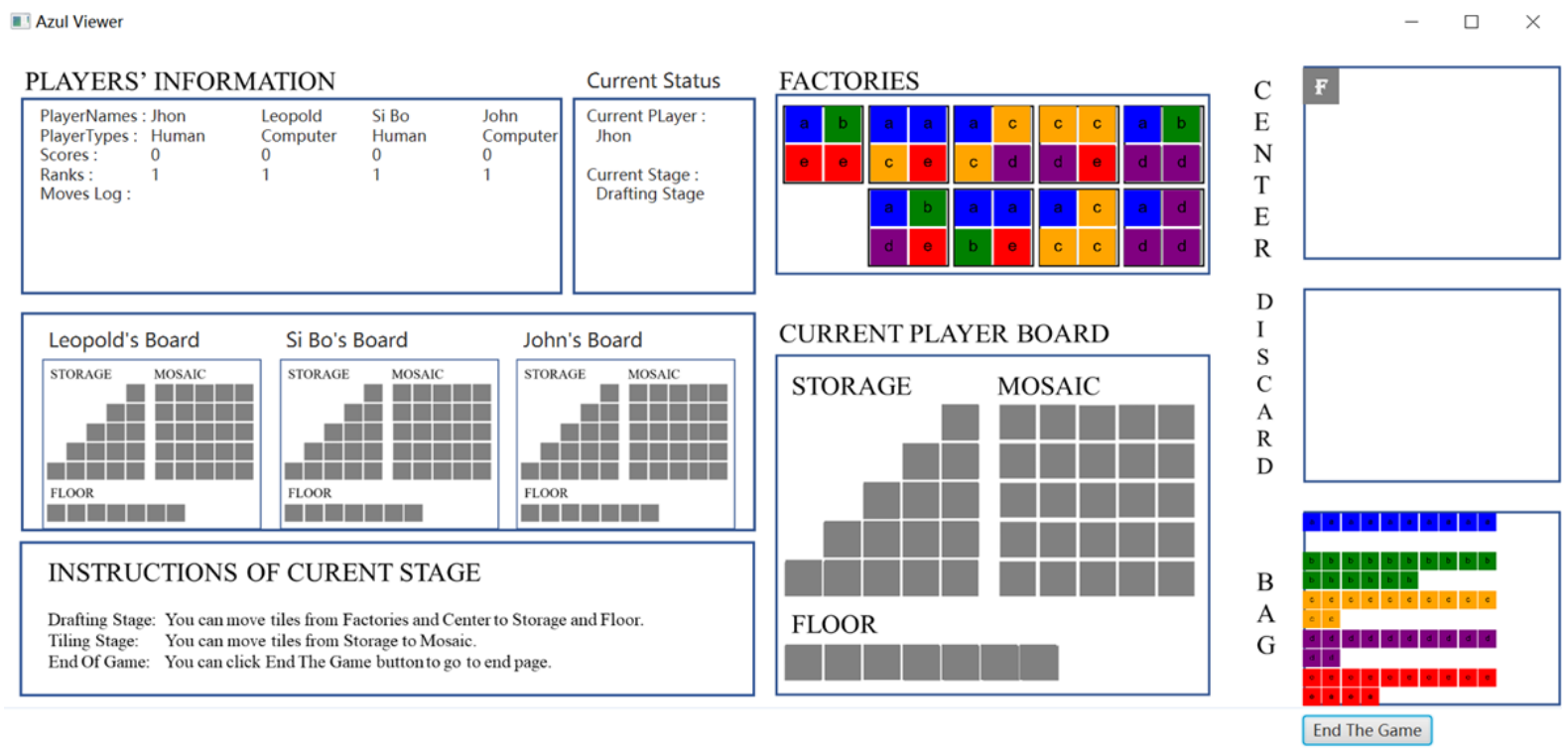
Starting Game

- Game Start
  - Starting Page
  - Player Setting



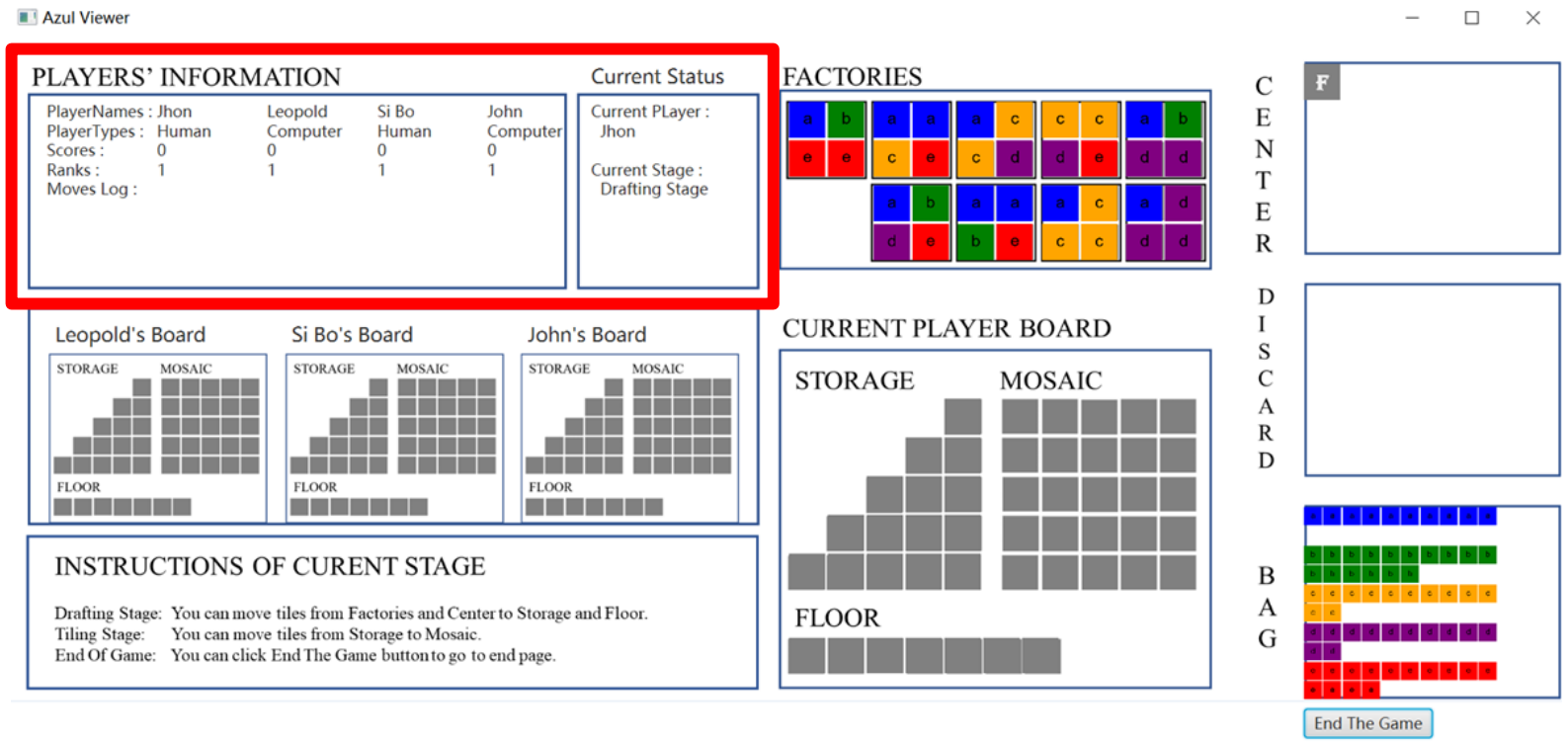
Starting Game

- Three main parts of Azul Viewer
  - Player's Information
  - Other Players' Board
  - Current Player Board



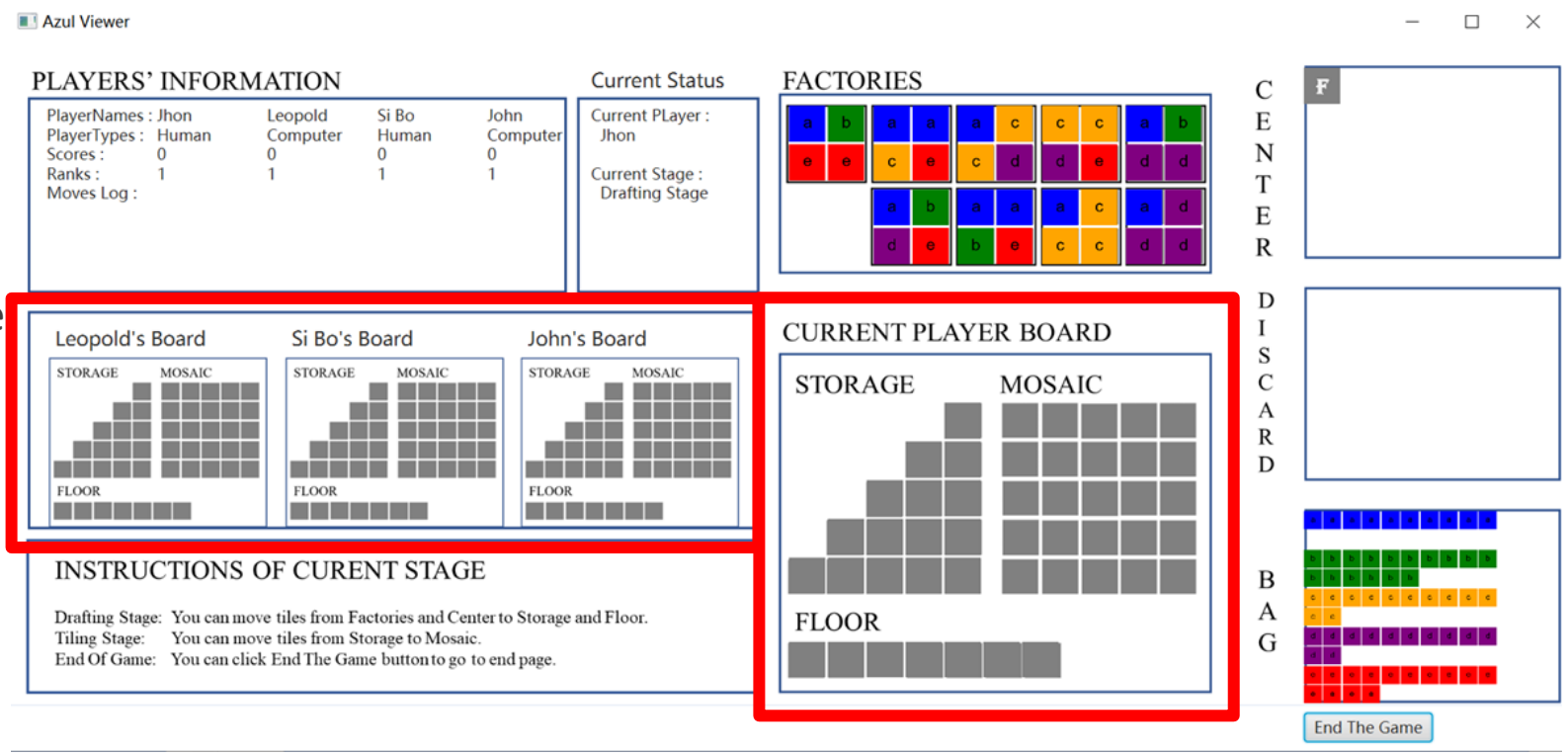
Starting Game

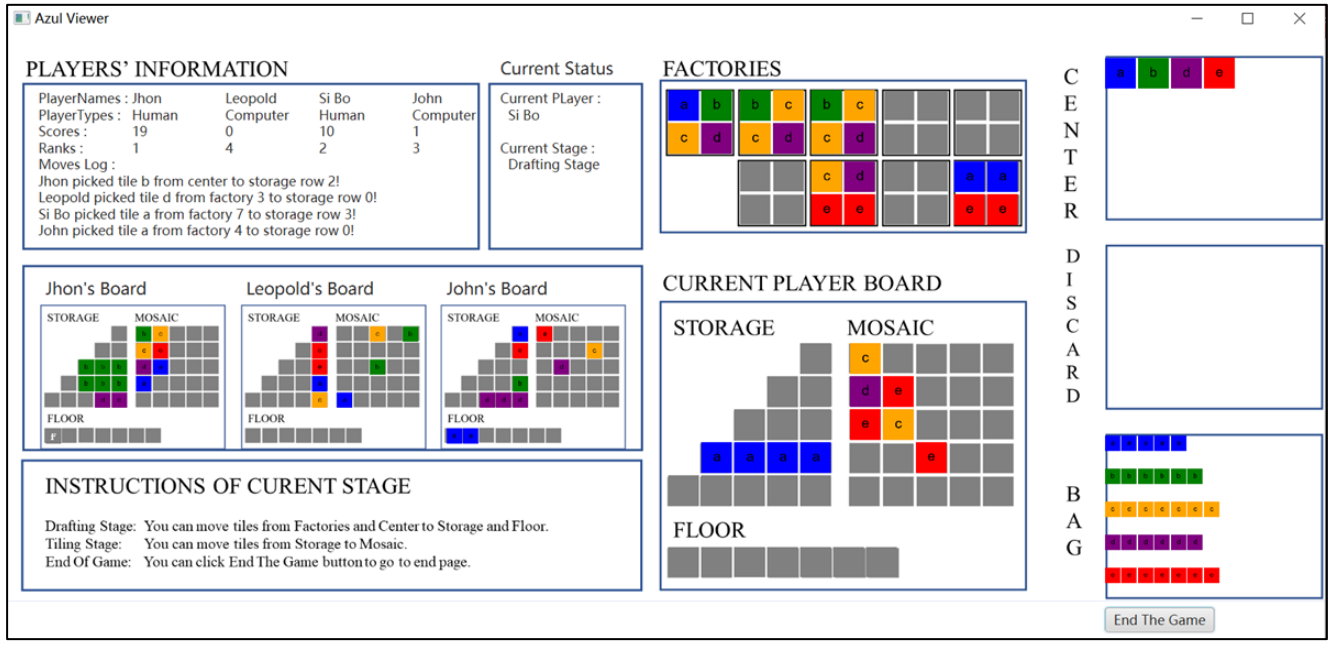
- Player's Information
  - Player Names
  - Player Types
  - Scores
  - Ranks
  - Move
- Current Status
  - Current Player
  - Current Stage
    - Drafting Stage
    - Tiling Stage
    - End of Game



Starting Game

- Other Players Board
  - Each players status
  - Not snappable
  - Only display
- Current Players Board
  - Snappable or draggable

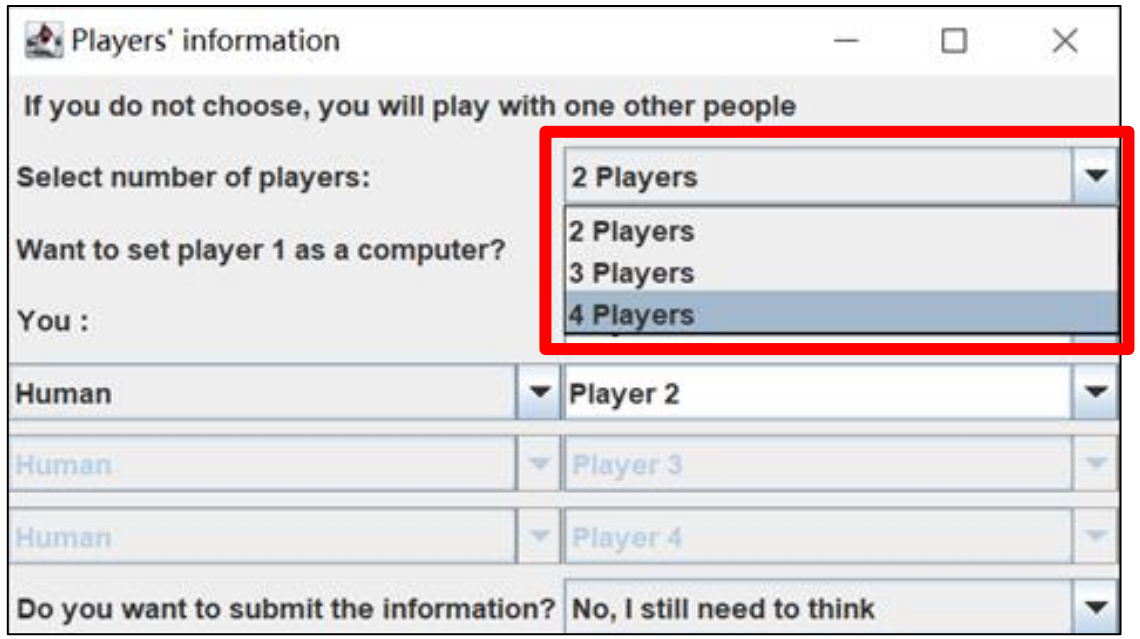




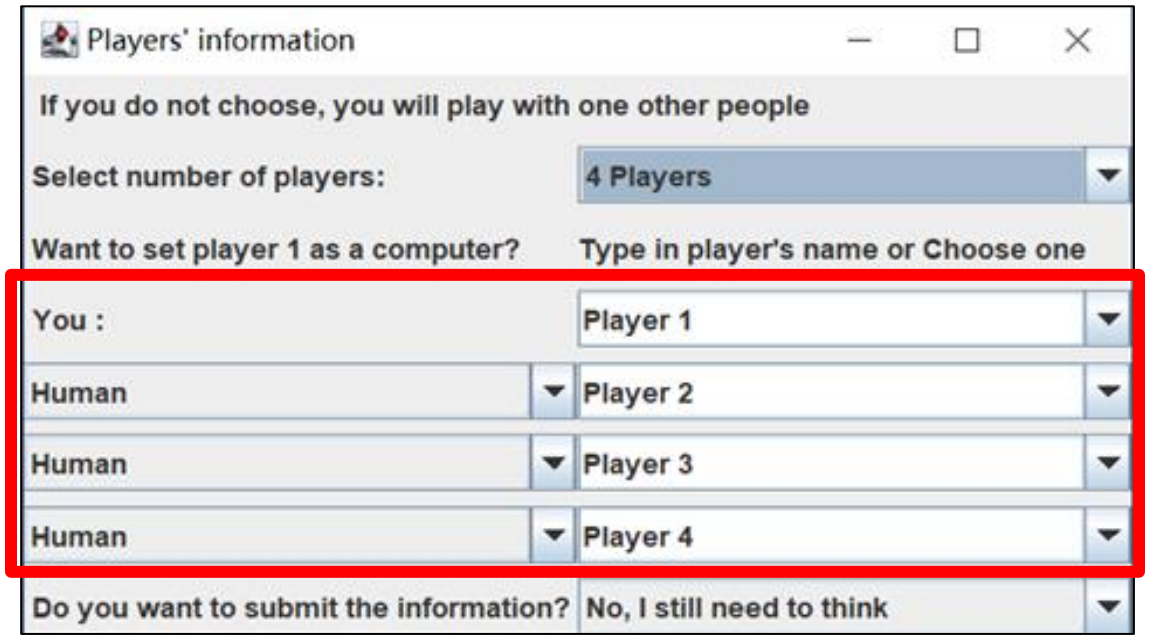
Game Playing

Game Playing – Player Setting

Select number of players

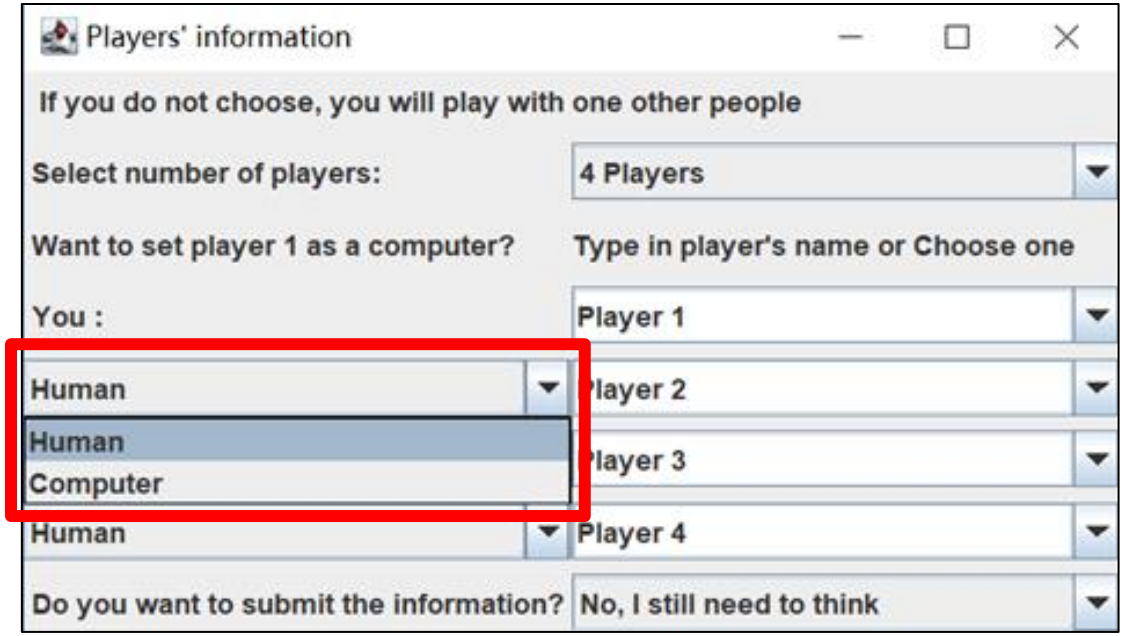


3rd, 4th player setting enabled

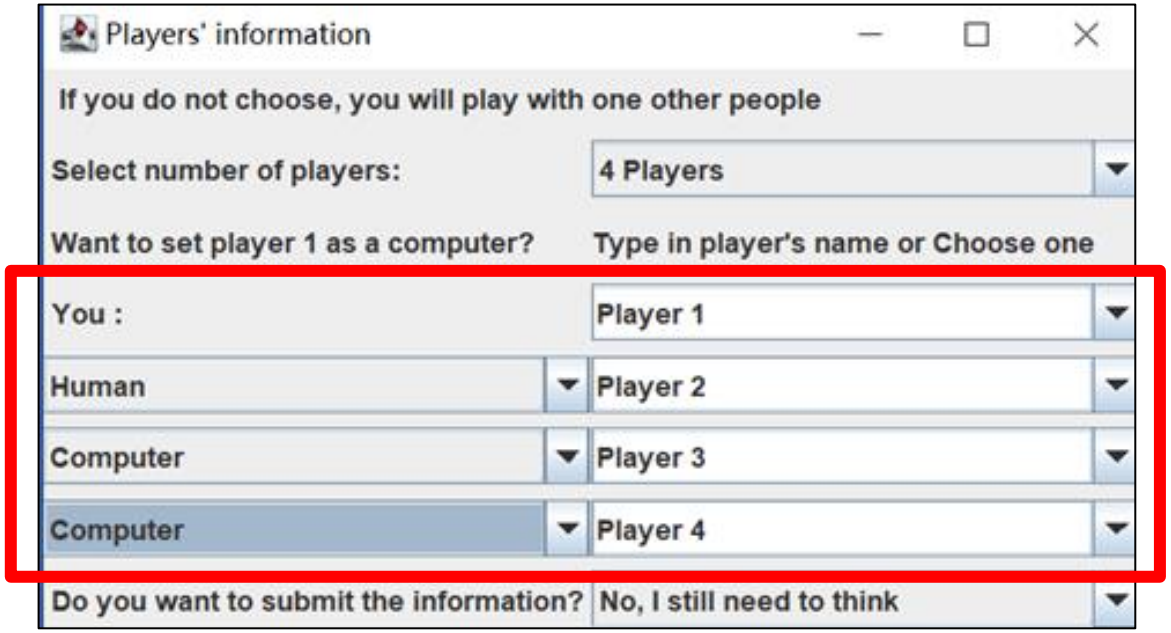


Game Playing – Player Setting

Select type of players

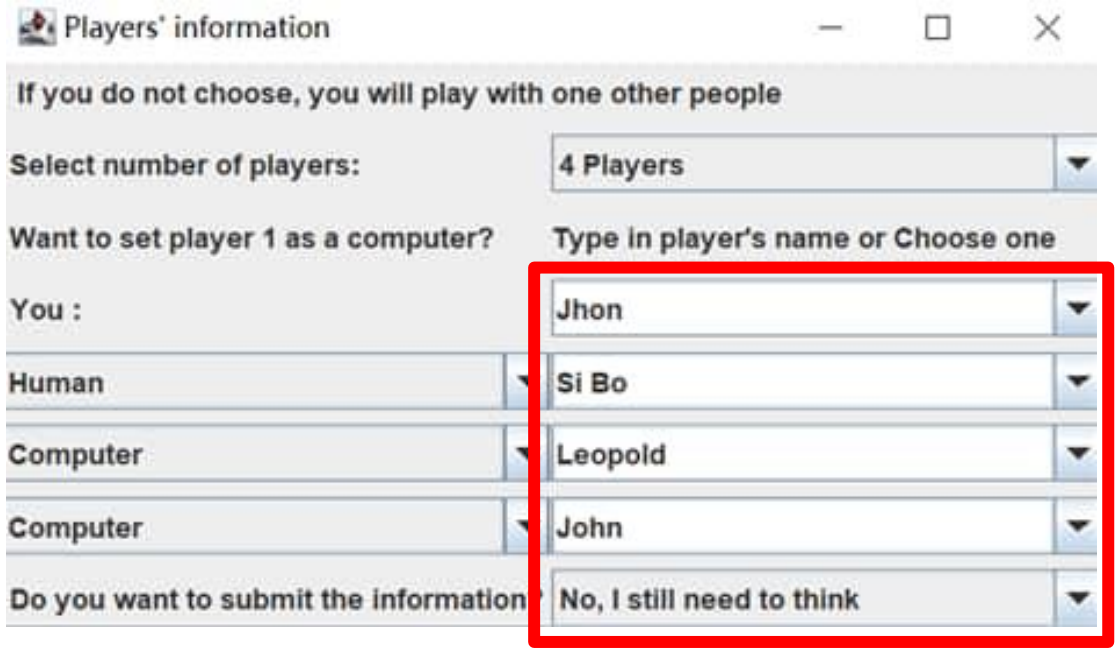


Setting for each players

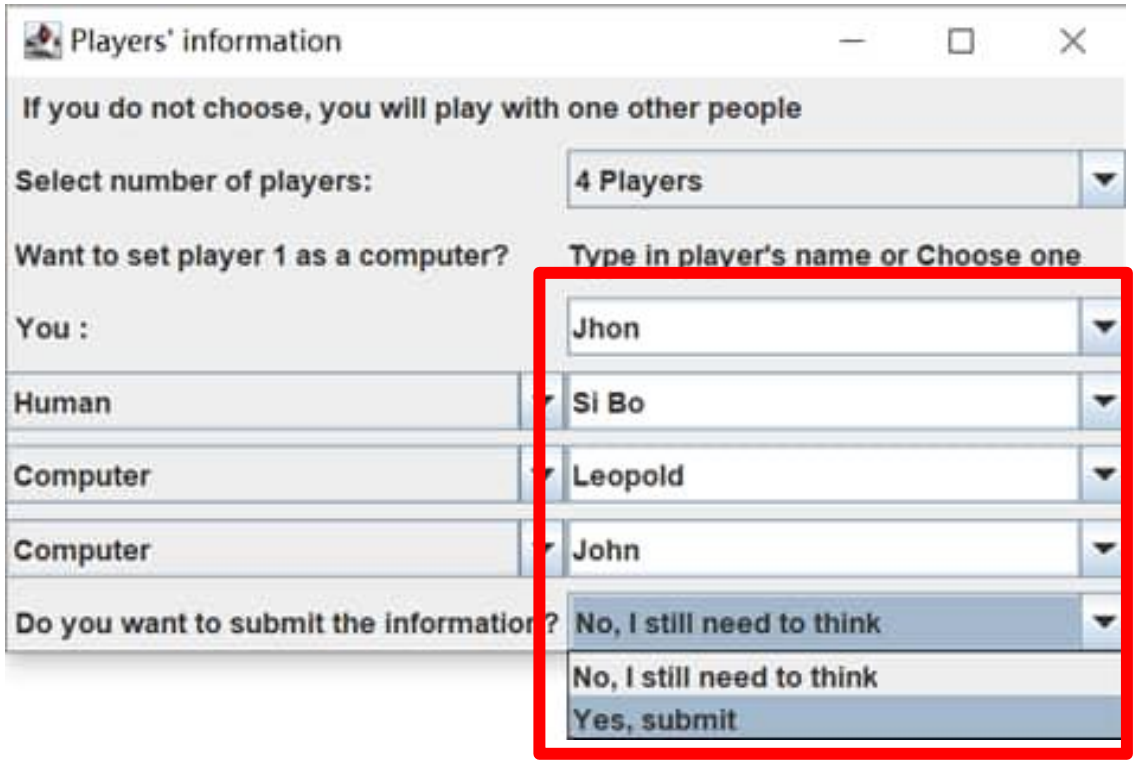


Game Playing – Player Setting

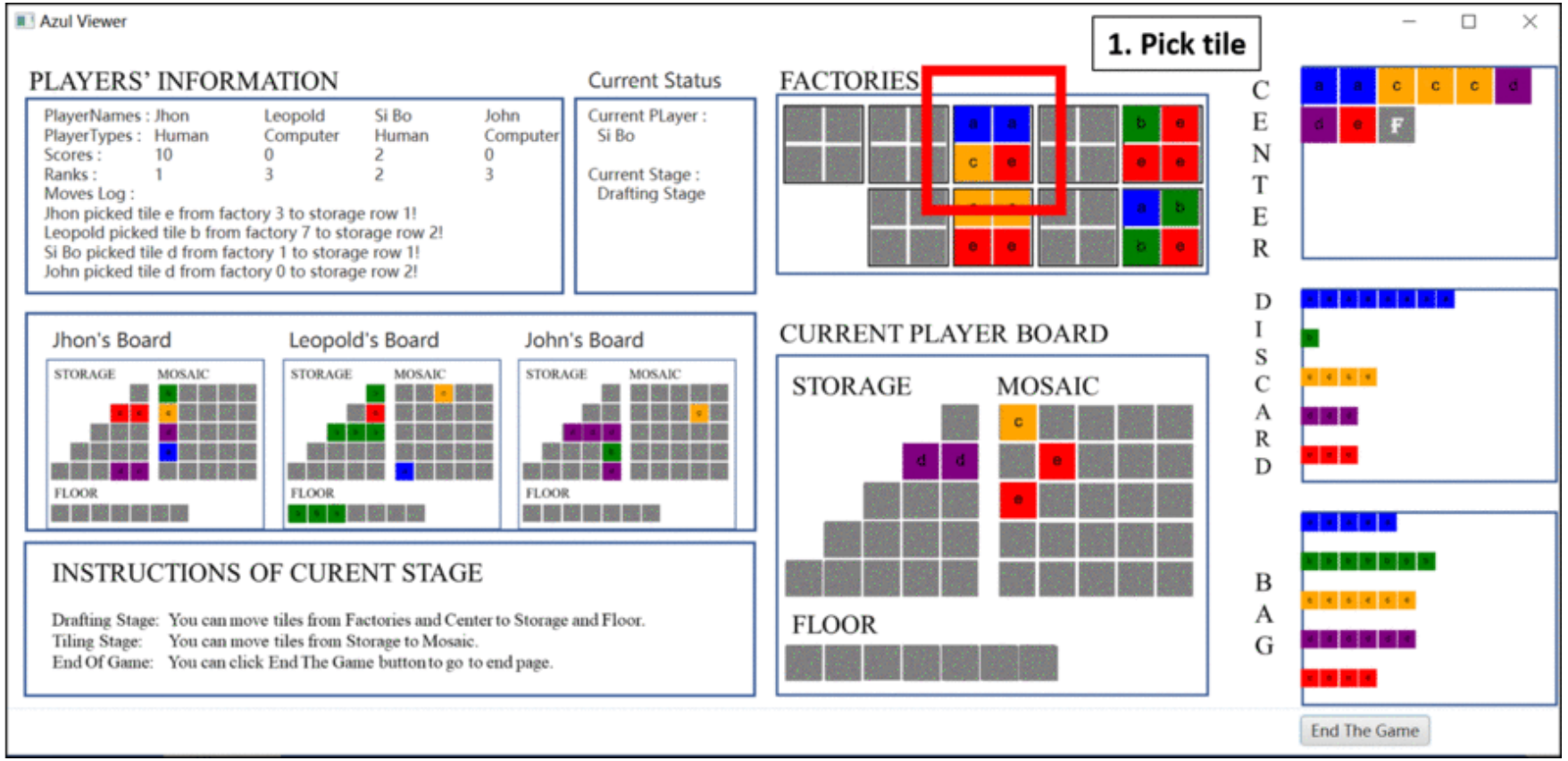
Type in name of player



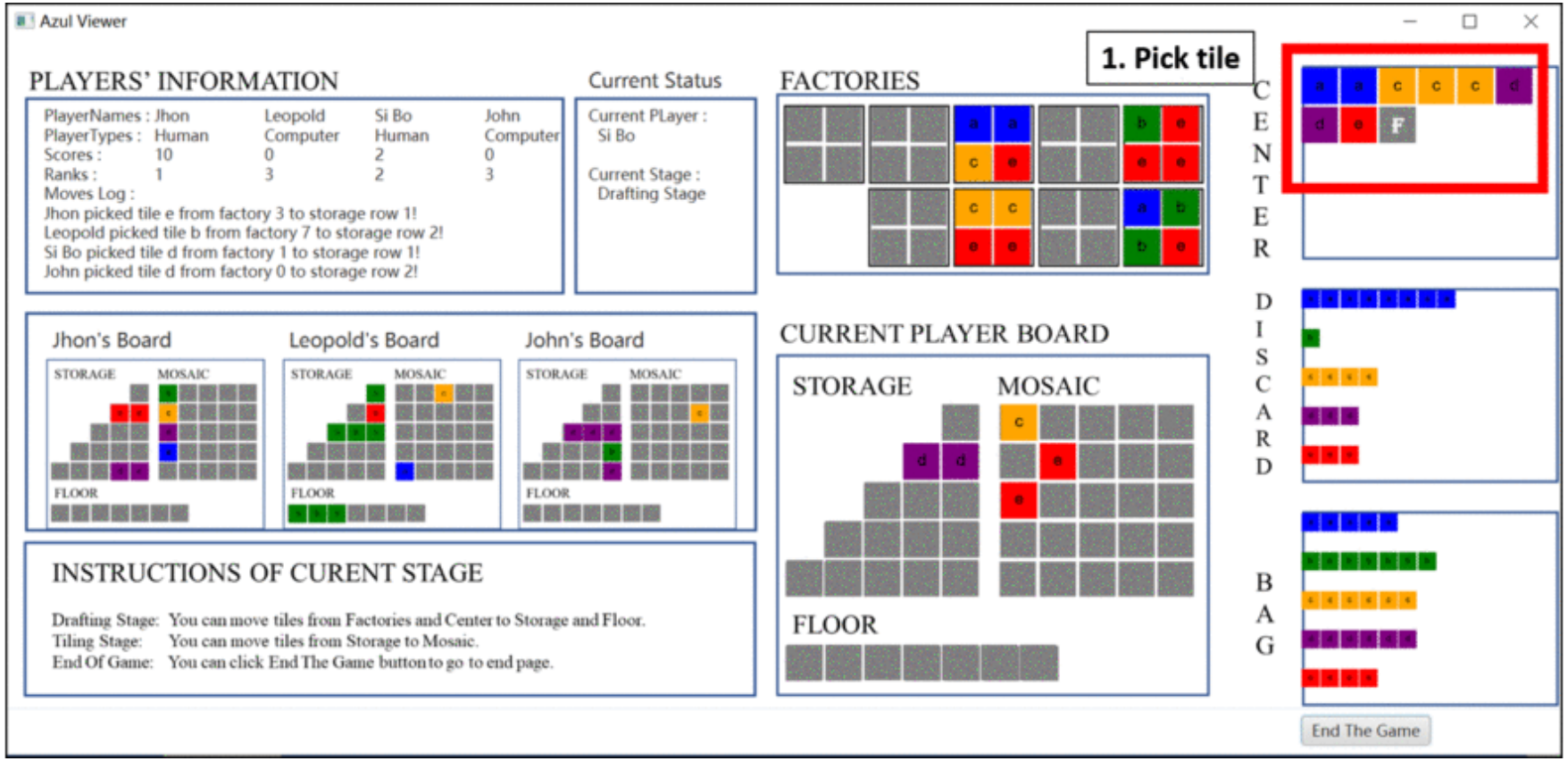
Finalize setting



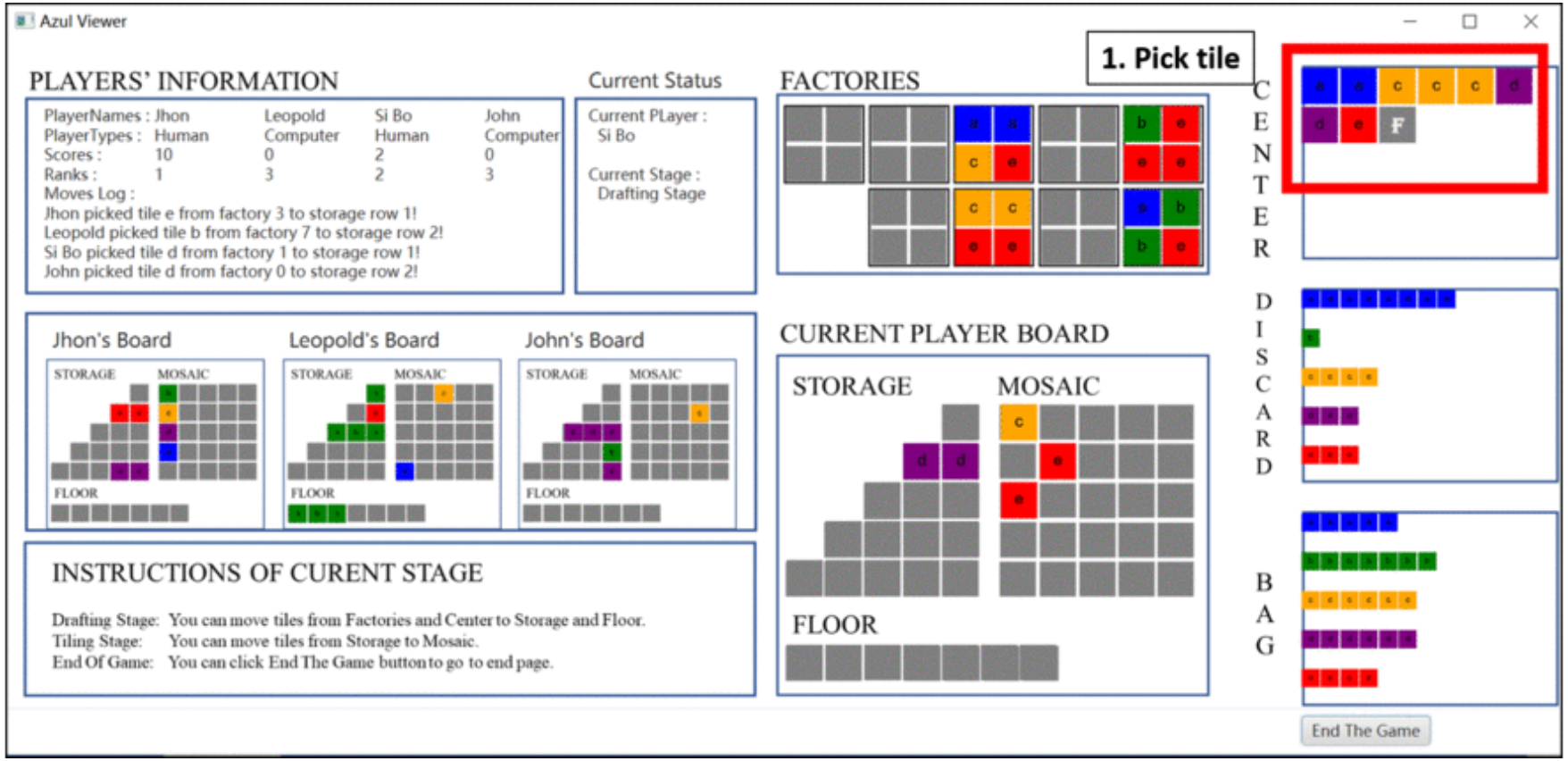
Game Playing – Drafting Move Restore



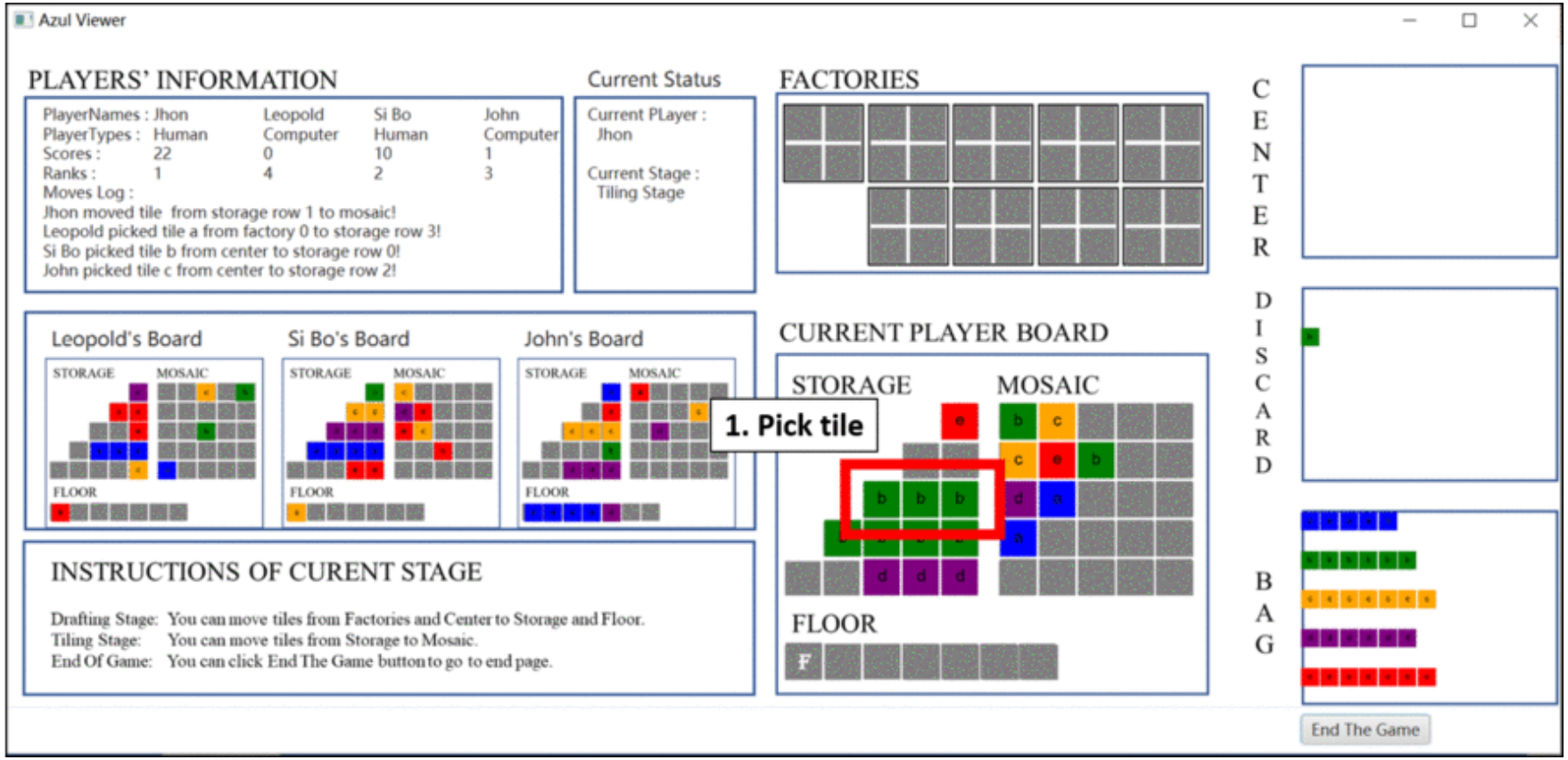
Game Playing – Invalid Drafting Move



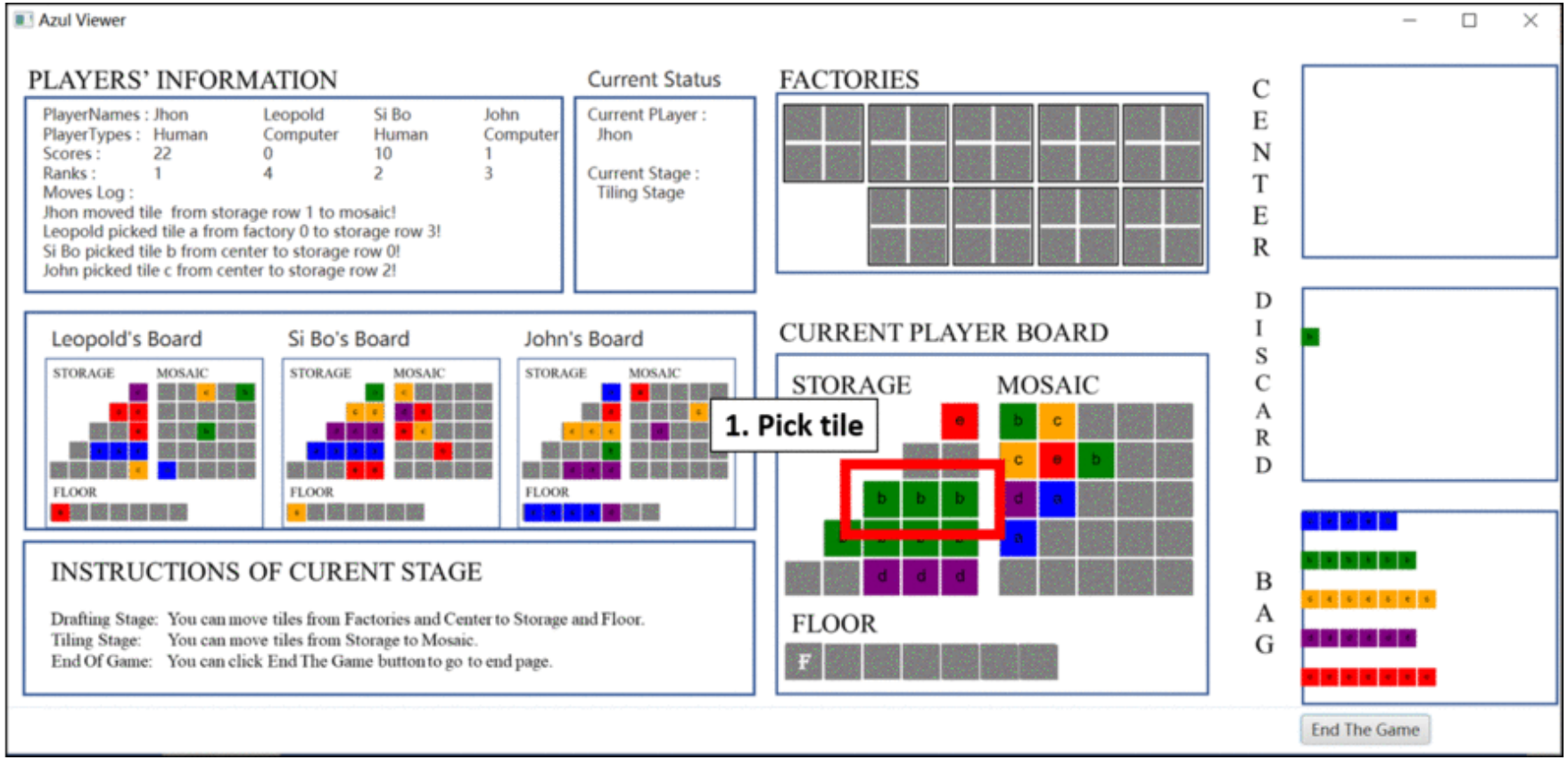
Game Playing – Valid Drafting Move



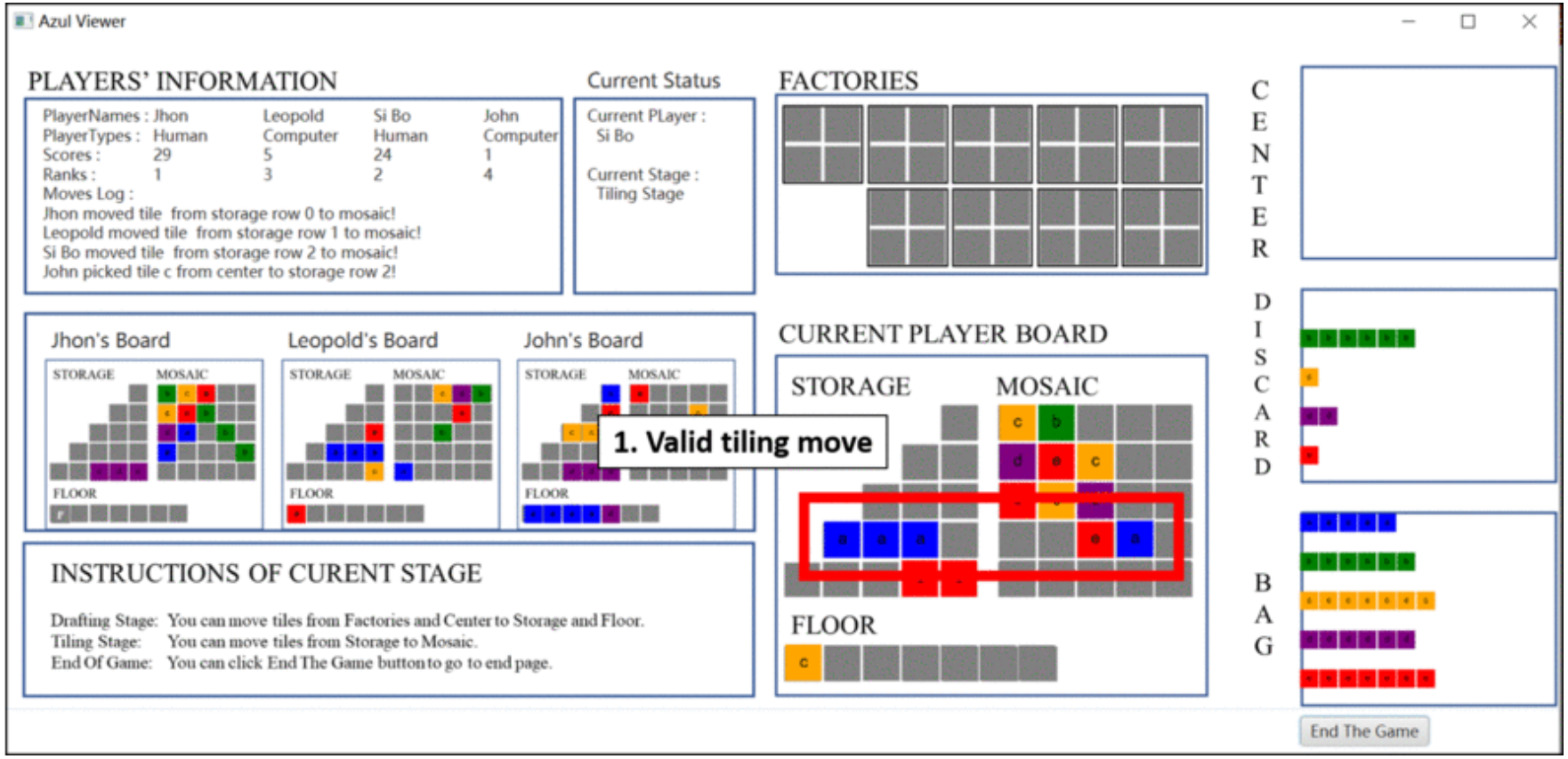
Game Playing – Invalid Tiling Move



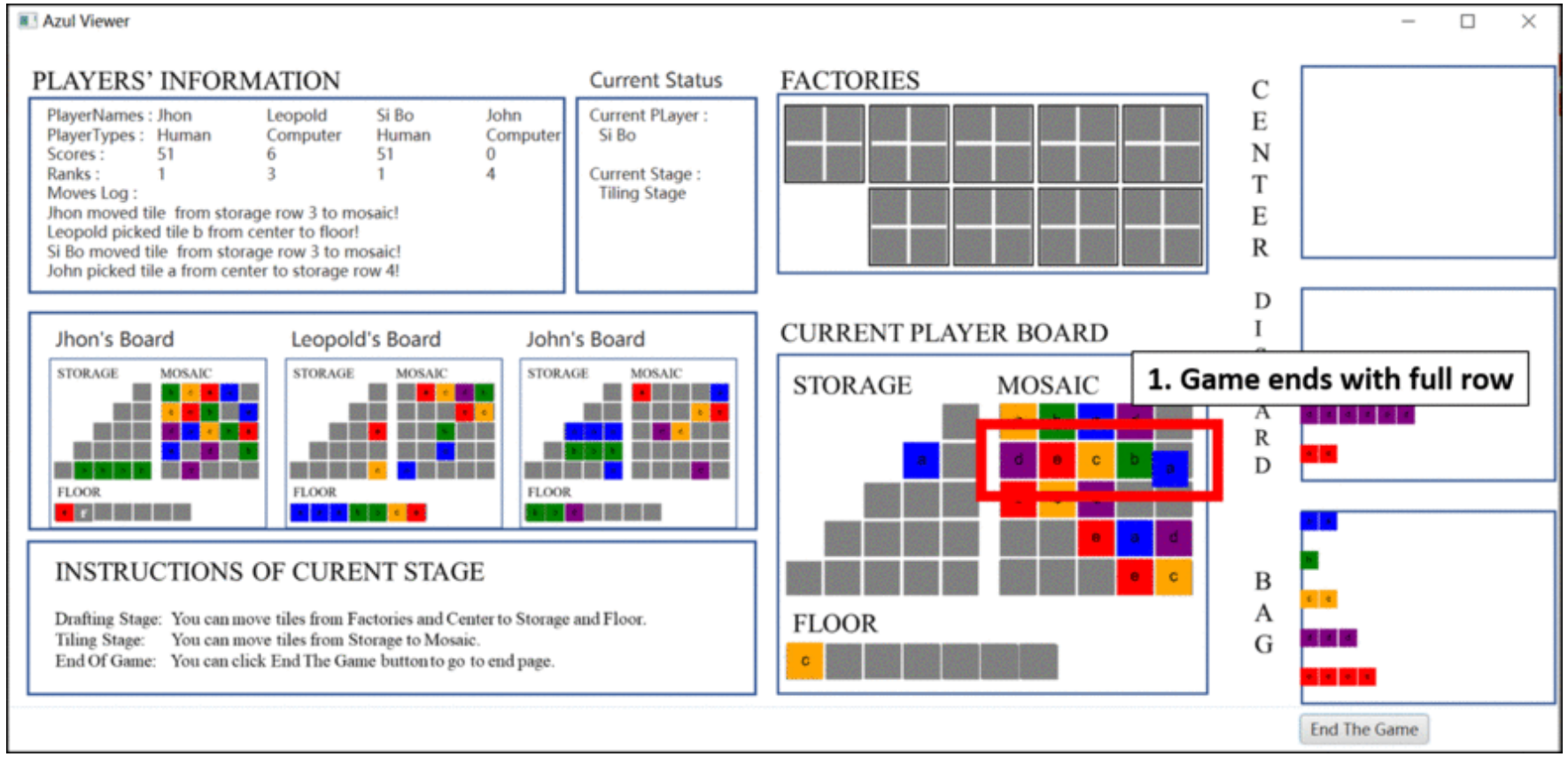
Game Playing – Valid Tiling Move



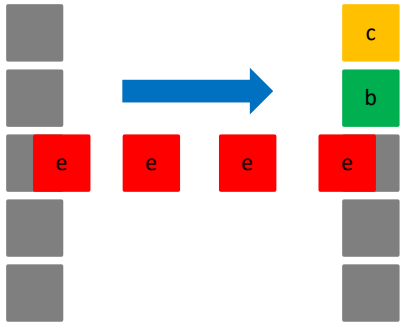
Game Playing – Preparing Next Round

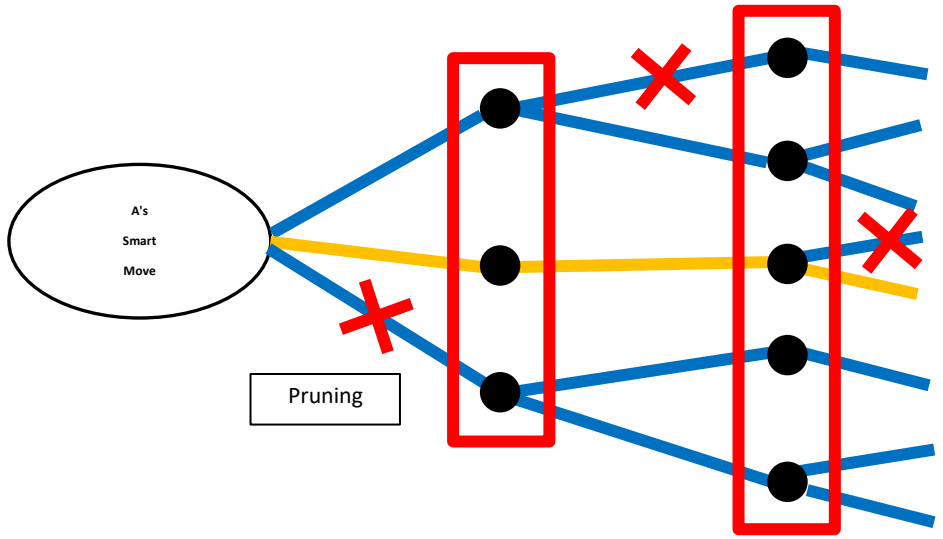


Game Playing – End of Game



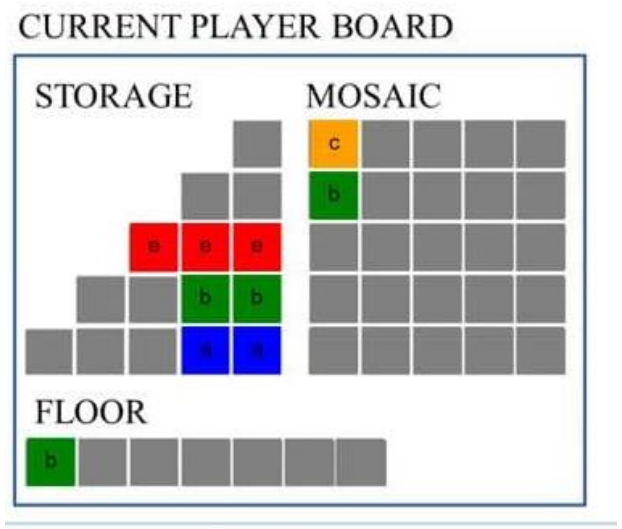
Further Improvements

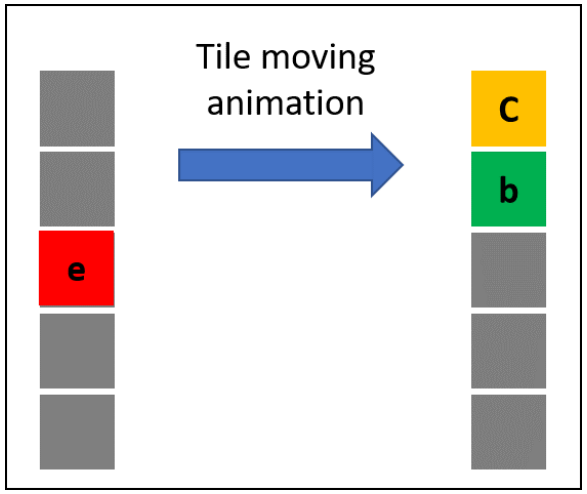


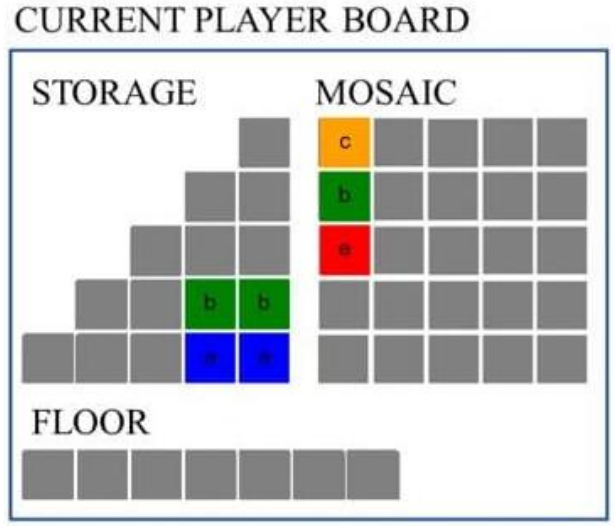


Further Improvements

- Enhanced user interface
  - Show tile movement from start to the end

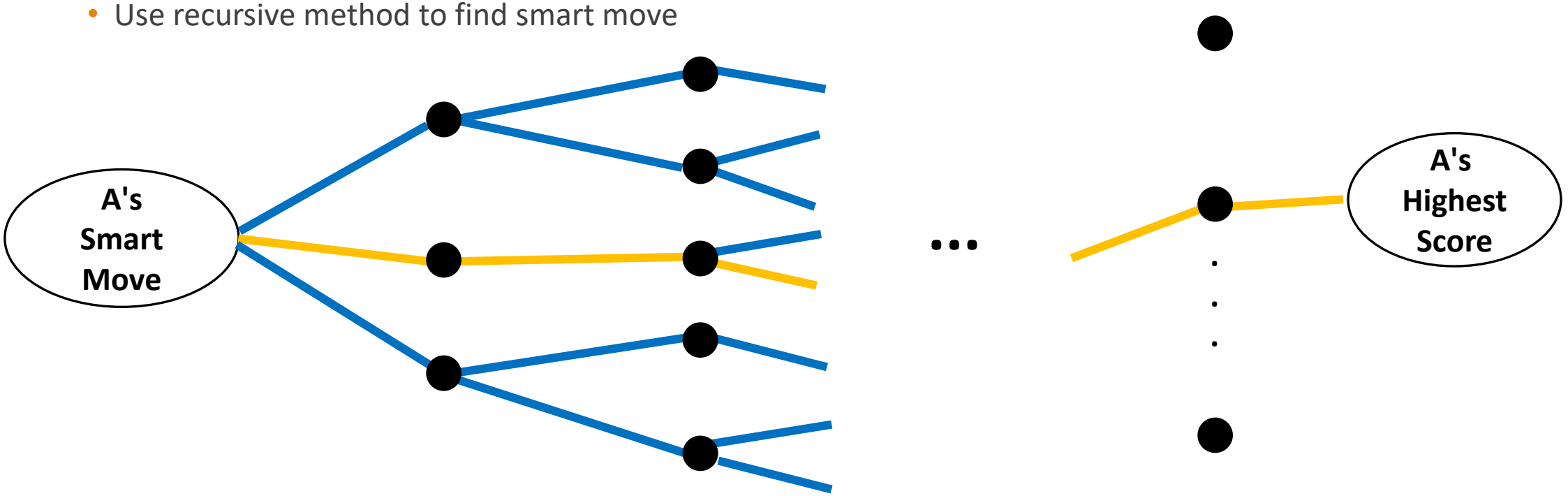






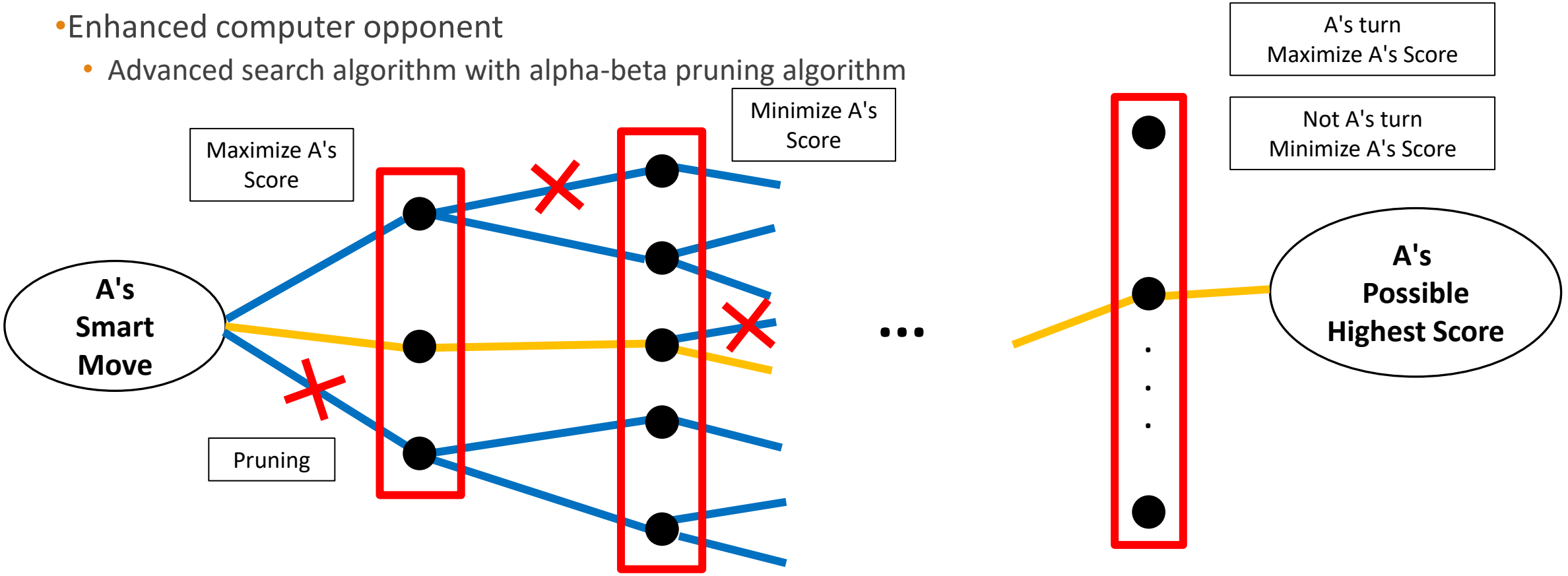
Further Improvements

- Enhanced computer opponent
  - Make tree of every possible movement and calculate score
  - Use recursive method to find smart move



Further Improvements

- Enhanced computer opponent
  - Advanced search algorithm with alpha-beta pruning algorithm



Questions and Answers