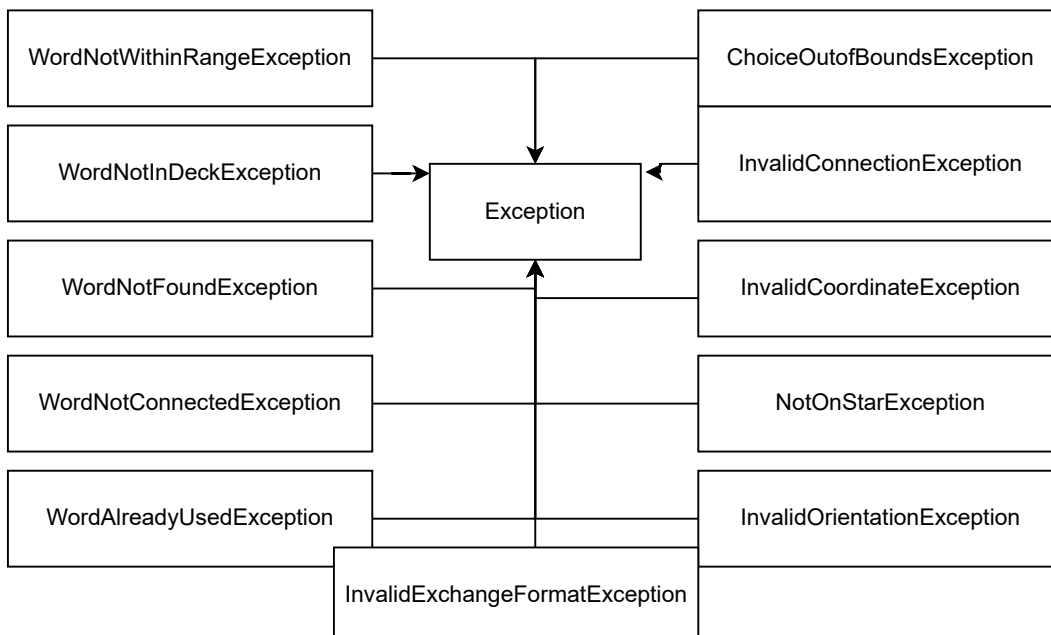


Scrabble
- input: Scanner
+ intro(): void - getInput(): String + placeWord(String, String, Coordinate, Player, Board): void + toStringArray(String): ArrayList<String> + getStartFromLetter(String, String, String, Coordinate, Board): Coordinate + oppositeOrientation(String): String + playerMenu(Player, Board): void + exchangePieces(Player, Bag): void + getHighScore(): int + writeHighScore(Player): void + playWord(Player, Board, Bag, boolean): void + turn(Player, Board, Bag, boolean): void + generateplayer(Board, Bag, int): Player + createPlayerOrder(ArrayList<Player>, Bag): ArrayList<Player> + isTie(ArrayList<Player>): boolean + getWinner(ArrayList<Player>): Player + getPlayerAmount(): int + main(String[]): void

Coordinate
- x: int - y: int
+ getX(): int + setX(int): int + getY(): int + setY(int): void + toString(): String + equals(Coordinate): boolean + translateString(String): Coordinate + clone(): Tile

Player
- playerId: int - name: String - points: int - deck: ArrayList<Piece> - passNum: int
+ getName(): String + setName(String): void + getPoints(): int + setPoints(int): void + getDeck(): ArrayList<Piece> + setDeck(ArrayList<Piece>): void + getPlayerID(): int + setPlayerID(int): void + getPassNum(): int + setPassNum(int): void + clone(): Player + deckToString(): String + drawDeck(Board, Bag): void

Tile
- location: Coordinate - type: String - piece: Piece - ANSI_YELLOW: String - ANSI_RESET: String
+ getLocation(): Coordinate + setLocation(Coordinate): void + getType(): String + setType(String): void + getPiece(): Piece + setPiece(Piece): void + toString(): String



Validator
- wordsUsed: ArrayList<String>
+ withinBoard(String, String, Coordinate, Player): boolean + wordNotUsed(String): boolean + validateInput(String, String, Coordinate, Player, Board, boolean): boolean + isOnStar(String, String, Coordinate, Board): boolean + validateLetterConnection(String, Coordinate, String, Player, Board): boolean + validateWordConnection(String, String, Coordinate, Player, Board, boolean): boolean + validLetter(String, String, Coordinate, Player, Board): Integer + findConnections(String, Coordinate, String, Player, Board): String[] + isWord(String): boolean

Scorer
+ method tallyWord(String, String, Coordinate, Board, Player, Bag): int + method tallyPlay(String, Coordinate, String, Player, Board, Bag): int

Bag
- values: HashMap<String, Integer> - contents: ArrayList<Piece> contents
+ getContents(): ArrayList<Piece> + setContents(ArrayList<Piece>): void + getValues(): HashMap<String, Integer> + setValues(HashMap<String, Integer>): void + generateValues(): void + generateContents(): void

Board
- gameBoard: Tile[][]
+ generateBoard(): void + getTile(): Tile + toString(): String

Piece
- letter: String
+ getLetter(): String + setLetter(String): void + toString(): String + equals(Piece): boolean + clone(): Piece