The User is who is playing the game. User - key: String - displayName: String The User places Ships at the + hashCode(): int beginning of the game and then the other players fire at the + equals(Object obj): boolean ships. The game is over when The User creates the Shots, then all of a players ships are sunk the board stores them and the game processes them. Each User owns a single Board **Board** - player: User {readOnly} - shots: List<Shot> {readOnly} Every Board has a list of Shots that it stores as the - ships: List<Ship> {readOnly} game progresses and Ship - placed: boolean {readOnly} players fire at each other more and more. - x: int - fleetSunk: boolean {readOnly} Shot Every Board has - y: int - mine: boolean a list of Ships toUser: User {readOnly} - length: int {readOnly} that it keeps track - x: int {readOnly} of to declare if a - vertical: boolean fleet is sunk. Every Game has a List of boards, - y: int {readOnly} one for every player. The Game + includesPoint(): boolean - hit: boolean {readOnly} updates the boards as the game progresses + hashCode(): int The User fires Shots at + equals(Object obj): boolean other users' ships Game Ships are placed and targeted. - key: String {readOnly} When all Ships are sunk, the game is lost. - boardSize: int {readOnly} - playerCount: int {readOnly} - boards: List< Board> {readOnly} - started: boolean {readOnly} - finished: boolean {readOnly} yourTurn: boolean {readOnly} The Game is what interprets the rules, updates boards, and processes shots.