 has key has value define interface for `display` method 	
define interface for `empty?` method	

HashGrid	
has sizeprivate: has HashGridCell type to instantiate for each cell	HashGridCell
private: has hash (internal data structure)determine empty cellsdetermine full?	
 determine cell value ([]) determine rows, columns, diagonals, and center cells 	

HashGridVisual	
 has constants for cell width padding, vertical padding, and width draw HashGrid contents w/ optional cell keys 	HashGrid

	Space	HashGridCell
•	alias player to HashGridCell#value alias player= to HashGridCell#value= implement `display` abstract method implement `empty?` abstract method mark (set `value`/`player` to `Player` object)	• Player

Board	
 has size (from HashGrid instance) reset (re-instantiate hash grid with size option) draw grid of spaces using HashGridVisual get empty spaces and available keys determine if board is full determine if move is valid mark board (`[]=` method) determine winning player (line) and winner? get center spaces, all lines, and empty keys in provided space sets private: prompt for board size 	HashGrid with cell type of Space

Abstract	Player	PlayerHuman, PlayerComputer
has a namehas a unique mark		Board
 initialize mark (set `mark` independe mark board (abstract: input square r display as string (implement `to_s`) 		
• protected: determine winning lines a	and keys	

	PlayerHuman	Player
•	mark board (implement abstract; get input and validate move) singleton: request name	

PlayerComputer	Player
mark board (implement abstract; intelligently select key)	

GameRoundStatus	
• has win status (true/false)	Board
has win status (true/false)	
has winner (Player)	
private: has board	
• check move (determine if board has a winner or is full)	
• end? (`true` if `win` or `draw`)	
display winner	
display draw	

Game	
has a board	Board
has players	• Player
has round status	GameRoundStatus
identify players	
randomly assign marks to players	
• play (initialize game, loop through players, play again?)	
display welcome and goodbye messages	