

CRC Card Builder Page

CRC Card 1

Pawn

Card Name	Pawn		
Superclasses	ChessPiece		
Subclasses			
Responsibilities	Represents each pawn piece Keeps track of moves made Defines its legal move Returns pathway of move	Collaborators	ChessBoard

CRC Card 2

Rook

Card Name	Rook		
Superclasses	ChessPiece		
Subclasses			
Responsibilities	Represents each rook piece Keeps track of moves made Defines its legal move Returns pathway of move	Collaborators	ChessBoard

CRC Card 3

Knight

Card Name	Knight		
Superclasses	ChessPiece		
Subclasses			
Responsibilities	Represents each Knight piece Keeps track of moves made Defines its legal move Returns pathway of move	Collaborators	ChessBoard

CRC Card 4

Bishop

Card Name	Bishop		
Superclasses	ChessPiece		
Subclasses			
Responsibilities	Represents each Bishop piece	Collaborators	ChessBoard

	Keeps track of moves made Defines its legal move Returns pathway of move		
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CRC Card 5

Queen

Card Name	Queen		
Superclasses	ChessPiece		
Subclasses			
Responsibilities	Represents each Queen piece Keeps track of moves made Defines its legal move Returns pathway of move	Collaborators	ChessBoard

CRC Card 6

King

Card Name	King		
Superclasses	ChessPiece		
Subclasses			
Responsibilities	Represents each King piece Keeps track of moves made Defines its legal move Returns pathway of move	Collaborators	ChessBoard

CRC Card 7

ChessPiece (abstract)

Card Name	ChessPiece (abstract)		
Superclasses			
Subclasses	Pawn Rook Knight Bishop Queen King		
Responsibilities	Contains info of color and type Contains its move history Gets pathway for move	Collaborators	ChessBoard Chess

CRC Card 8

ChessBoard

Card Name	ChessBoard		
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Superclasses			
Subclasses			
Responsibilities	Contains the board and pieces Makes move on board Checks if input move is valid Keeps track of Kings in Check Contains the logic of the board Prints board and state of board	Collaborators	Chess

CRC Card 9

Chess

Card Name	Chess		
Superclasses			
Subclasses			
Responsibilities	Links ChessBoard and Controller Takes care of moves handling Keeps track of players turn Checks if game has ended Takes care of game state Gets winner of the game	Collaborators	ChessBoard Controller

CRC Card 10

Controller

Card Name	Controller		
Superclasses			
Subclasses			
Responsibilities	Creates the chess game Creates the player objects Interacts between player and gar	Collaborators	Player Chess

CRC Card 11

Move

Card Name	Move		
Superclasses			
Subclasses			
Responsibilities	Represents coordinates on board Contains int row and column	Collaborators	ChessPiece Pawn Rook Knight

			Bishop Queen King ChessBoard Chess Controller
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CRC Card 12Placeholder

Card Name	Placeholder		
Superclasses			
Subclasses			
Responsibilities	Represents tiles on the board Contains chess piece or an empt	Collaborators	ChessBoard ChessPiece

CRC Card 13Player

Card Name	Player		
Superclasses			
Subclasses			
Responsibilities	Reads inputs from players	Collaborators	Controller Chess