

CRC Cards

Platform	
Responsibilities <ul style="list-style-type: none"> • Is navigable by the user • Create games • Allows the user to play a game • Allows user registration/deregistration • User is able to view profiles 	Collaborators <ul style="list-style-type: none"> • Game • User • Profile

Game	
Responsibilities <ul style="list-style-type: none"> • <i>Has</i> moves, turns, gameEnded • Show game results screen on end • Creates a GameRecord when the game ends 	Collaborators <ul style="list-style-type: none"> • ChessBoard • User • GameRecord • Rules

ChessBoard	
Responsibilities <ul style="list-style-type: none"> • <i>Has</i> ChessPiece[8][8] • Create the board with pieces at the initial location. • Updates the board state on successful moves. 	Collaborators <ul style="list-style-type: none"> • ChessPiece

ChessPiece	
Responsibilities <ul style="list-style-type: none"> • <i>Has</i> Color 	Collaborators <ul style="list-style-type: none"> • Pawn • Rook • Knight • Rook • Queen • King

Rules	
Responsibilities <ul style="list-style-type: none"> • See if a game has ended by looking at board state 	Collaborators <ul style="list-style-type: none"> • ChessBoard

Pawn	
Responsibilities <ul style="list-style-type: none"> ● Permit or Deny a Pawn move request 	Collaborators <ul style="list-style-type: none"> ● Chessboard

Knight	
Responsibilities <ul style="list-style-type: none"> ● Permit or Deny a Knight move request 	Collaborators <ul style="list-style-type: none"> ● Chessboard

Rook	
Responsibilities <ul style="list-style-type: none"> ● Permit or Deny a Rook move request 	Collaborators <ul style="list-style-type: none"> ● Chessboard

Bishop	
Responsibilities <ul style="list-style-type: none"> ● Permit or Deny a Bishop move request 	Collaborators <ul style="list-style-type: none"> ● Chessboard

Kwen	
Responsibilities <ul style="list-style-type: none"> ● Permit or Deny a Kwen move request 	Collaborators <ul style="list-style-type: none"> ● ChessBoard

King	
Responsibilities <ul style="list-style-type: none"> ● Permit or Deny a King move request 	Collaborators <ul style="list-style-type: none"> ● ChessBoard

User	
Responsibilities <ul style="list-style-type: none"> ● <i>Has</i> nickname, password, email, first name, last name ● Allow Login 	Collaborators <ul style="list-style-type: none"> ● Profile

<ul style="list-style-type: none"> • Allow Logout 	
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Profile	
Responsibilities <ul style="list-style-type: none"> • <i>Has</i> [properties] • Display user info • Update user info 	Collaborators <ul style="list-style-type: none"> • GameRecord

Game Record	
Responsibilities <ul style="list-style-type: none"> • <i>Has</i> a winner, loser, start and end time, if abandoned(?), involved users 	Collaborators <ul style="list-style-type: none"> • A

Notifications	
Responsibilities <ul style="list-style-type: none"> • Creates a website popup alerting the user on the website. • Sends an email alerting the email 	Collaborators <ul style="list-style-type: none"> • Game • Invite