CS414 P3 CRC Cards

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MicroServer

Listen for requests Send responses	RegistrationRequest NotificationsRequest MessageRequest NotificationManager AccountManager ChessBoard

NotificationManager

Gets notifications Sends messages	Notification MessageResponse DatabaseHelper

ChessPiece

Sets position Checks if position is valid Changes position Adds Moves Gets orientation	IllegalPositionException

Account

Gets account hash Gets email Gets salt for password Gets usernames	DatabaseHelper

King

generates legal moves
output proper piece symbol

AccountManager

Registers User Creates Welcome message Logs user in gets accounts deletes accounts	Account DatabaseHelper RegistrationOrLoginResponse

Sole Responsibility is Storing Data

- Notification
- MessageRequest
- NotificationsRequest
- RegistrationOrLoginReponse
- RegistrationRequest
- MessageResponse
- IllegalMoveException
- IllegalPositionException
- DeregisterRequest
- InviteAnswer
- LoginRequest
- MarkReadRequest
- MatchesRequest
- MatchRequest
- MoveRequest
- RegistrationResponse

Match

Serialize Match Create new Match Initialize match move piece end game check win conditions save to database	DatabaseHelper ChessPiece IllegalMoveException IllegalPositionexception King MoveRequest MoveResponse ChessBoard

Bishop

generates legal moves
output proper piece symbol

DatabaseHelper

Executes SQL
Communicates with DB

MatchManager

Create match from invite Get match by ID Get matches by userID move	DatabaseHelper InviteAnswer MoveRequest MoveResponse Notification NotificationManager Account

Pawn

generates legal moves
output proper piece symbol

ChessBoard

Moves Pieces Promote pieces Initializes board state Serializes board Gets Pieces Places pieces Displays board Serializes board Gets location of king Checks if king is in check	IllegalMoveException IllegalPositionException ChessPiece King Bishop Pawn Rook

AuthenticatedRequest

	AuthenticationToken

Rook

generates legal moves
output proper piece symbol

AuthenticationToken

Generates Token Generates Signature Verifies Signatures	Account