+ Computer(level: int, board: Board*, color: char) **Xwindow** + move(): string + Xwindow(width : int, height : int) + ~Xwindow() + getWidth(): int Board + getHeight : int + fillRectangle(x : int, y : int, width : int, - board : Piece* height: int, color: int) - move history : vector<string> + fillRectangle(x:int, y:int, width:int, - lastMovedPiece : Piece* height: int, r: int, g: int, b: int) + drawString(x : int, y : int, msg : string) + player : char + Board() + ~Board() + initialize() Graphical Display + clear() + valid(pos: string): bool - board : Board& + view(position : string) : char + move(before : string, after : string, + render square(r:int, c:int) promotion: char): bool + Graphical Display(b : Board&) + check(): bool + draw board() + checkmate(kingColor : char) : bool 1 + render(r1 : int, c1 : int, r2 : int, c2 : int) + stalemate(kingColor : char) : bool + score(black : int, white : int) + undo() + resign(color : char) + replacePiece(position: string, + checkmate(color : char) piece : char) : bool + isPathClear(startX: int, startY: int endX: int, endY: int): bool + getLastMovedPiece(): Piece* + isvalidSetup(): bool Text Display + castling(kingPos : string, rookPos : string, colour: char): bool - board: Board& 64 💙 + Text Display(b : Board&) Piece + render() + score(black : int, white : int) - board : Board& + resign(color : char) + checkmate(color : char) - color : char - type : char + stalemate() + Piece(color : char, type : char, b : Board&) + move(position : string, dest : string) : bool + getColor(): char + getType() : char

Computer

