

# Chess

**Team Name: Some Asian Kid**

**Team members:** Johnny Zhang, Nathan Gu, Albert Yu

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**Program Purpose:** The purpose of the program is to display a two player chess game that takes input from a text line. The program appeals to anyone who plays chess, as it provides entertainment and practice for both chess players.

**Target User Profile:** Anyone who likes to have fun or practice playing chess with another an opponent.

**Feature List:** scuffed chess(will add checks, checkmates, and pins if we have extra time), there's a nice looking chess board GUI, CUSTOMIZABLE ASSETS!!!

**Instructions:** Users will be able to input moves on a text line. For example, if it is white's turn, typing "e2 to e4" will move the piece at position e2 to position e4. This is chess, you all know how to play.

**Class List:**

**Execution:**

main, ChessPanel, GameController

**Graphics:**

GraphicsExampleMain, PieceImg

**Objects:**

Board, Piece, Square, Pawn, Rook, Knight, Bishop, King, Queen

**Team Responsibilities:** Try and stay ahead of guidelines as much as possible and make sure to complete your class(don't procrastinate please). Ask for help and help others. Make sure to share most recent version of the code on github as well so we can update the UML and readme :). Johnny will do the code's "skeleton," Albert will do graphics, and Nathan will do UML, readme and anything else that needs doing.

**Known Bugs/Workarounds:** Classes currently only work separately and we need to link up the classes to make the project function properly as how we all imagine it would. All of the classes are created but most of the classes remain unfinished(Piece, GameController, Board, Piece, Pawn, Knight, Bishop, Rook, Queen, King). EDIT: Graphics can be worked with from other classes. (see ChessPanel.java)

**Key learnings:** JPanel/JFrame usage, arrays, mouse input, constructors, conditions, strings, relationship between classes, UML creation, how to collaborate well

**Credit List:** <https://codereview.stackexchange.com/questions/71790/design-a-chess-game-using-object-oriented-principles> , Albert's father, Nathan's father. \

# UML Diagram:

