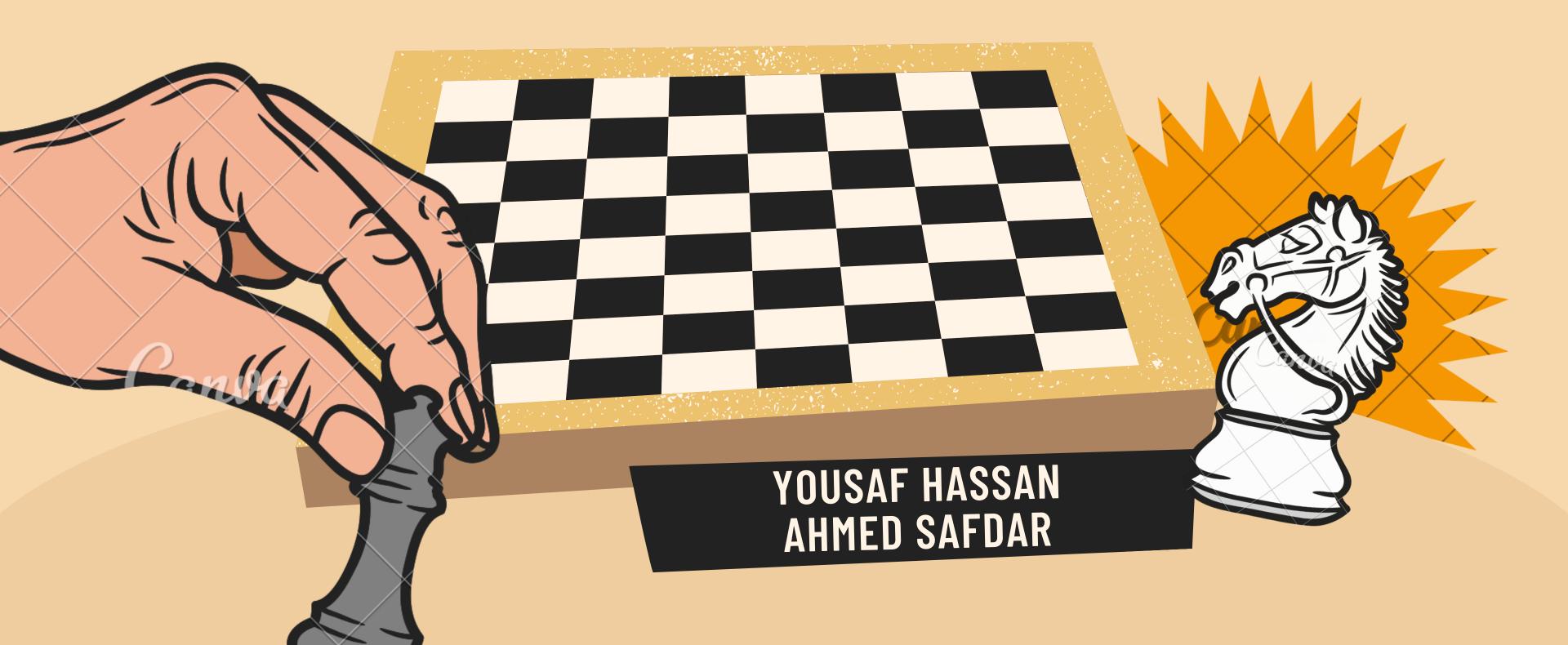
2-PLAYER CHESS



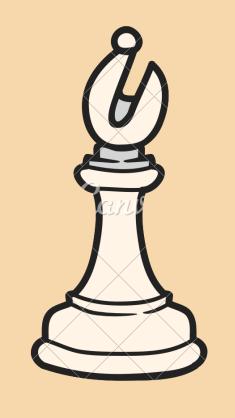
OVERVIEW



PROJECT CHOICE



LANGUAGE & IDE



FEATURES



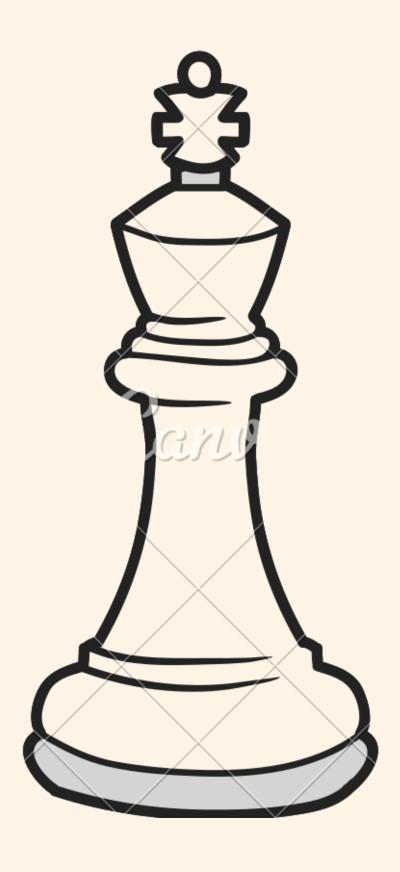
GAME LOGIC





PROJECT TREE

PROBLEMS FACED



PROJECT CHOICE

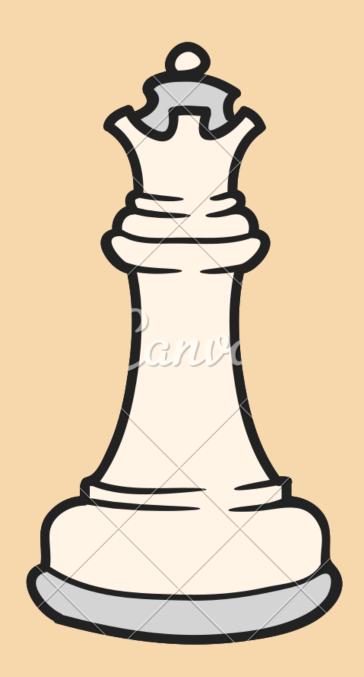
- Implementing a Chess game in C++ provides an opportunity to understand and apply key programming concepts in a practical context.
- Developing a Chess game allows for a practical application of OOP principles like encapsulation, inheritance, and polymorphism.
- Chess is a universally recognized and popular game, making the project inherently interesting and engaging for both developers and potential users.

LANGUAGE & IDE

- 1. Programming Language: C++
- Selected for its efficiency, performance, and versatility.
- The language's object-oriented features facilitate a modular and structured design for the Chess game.

2. QT Creator

 The chosen IDE aligns with the team's familiarity and preferences, optimizing productivity throughout the project.



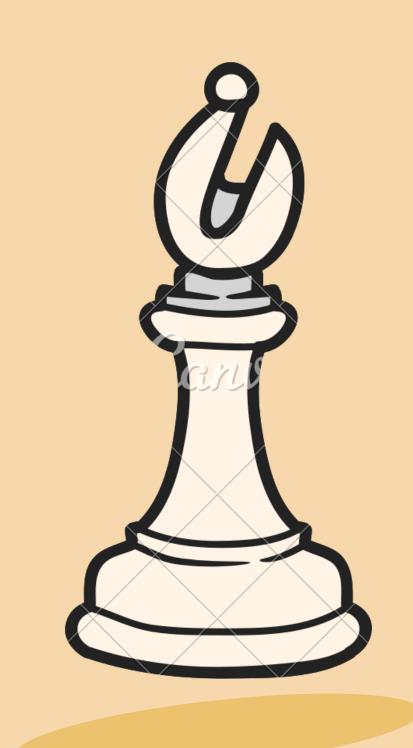
FEATURES

Chess Board

Made using a 2-D Array
A function that resets the
chess board to its initial state

Chess Piece

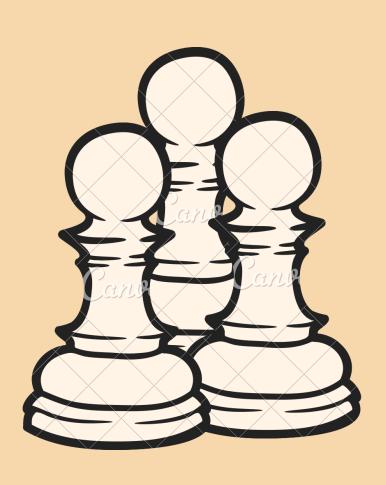
Individual Piece Classes
Using Inheritance
Using Setter & Getter to Get
the Current Box
Checking the legal moves for a
piece

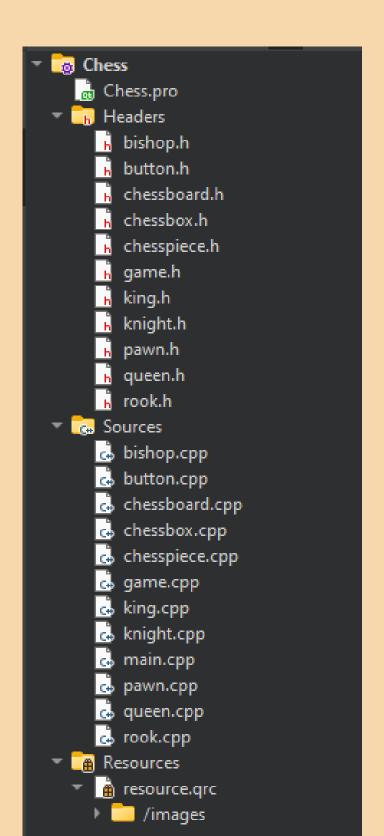


- getTurn, setTurn, and changeTurn methods control the flow of turns between WHITE and BLACK.
- placeInDeadPlace function manages the placement of pieces in the dead piece holders.
- gameOver resets the game state, clears alive pieces, and invokes the chessboard reset.

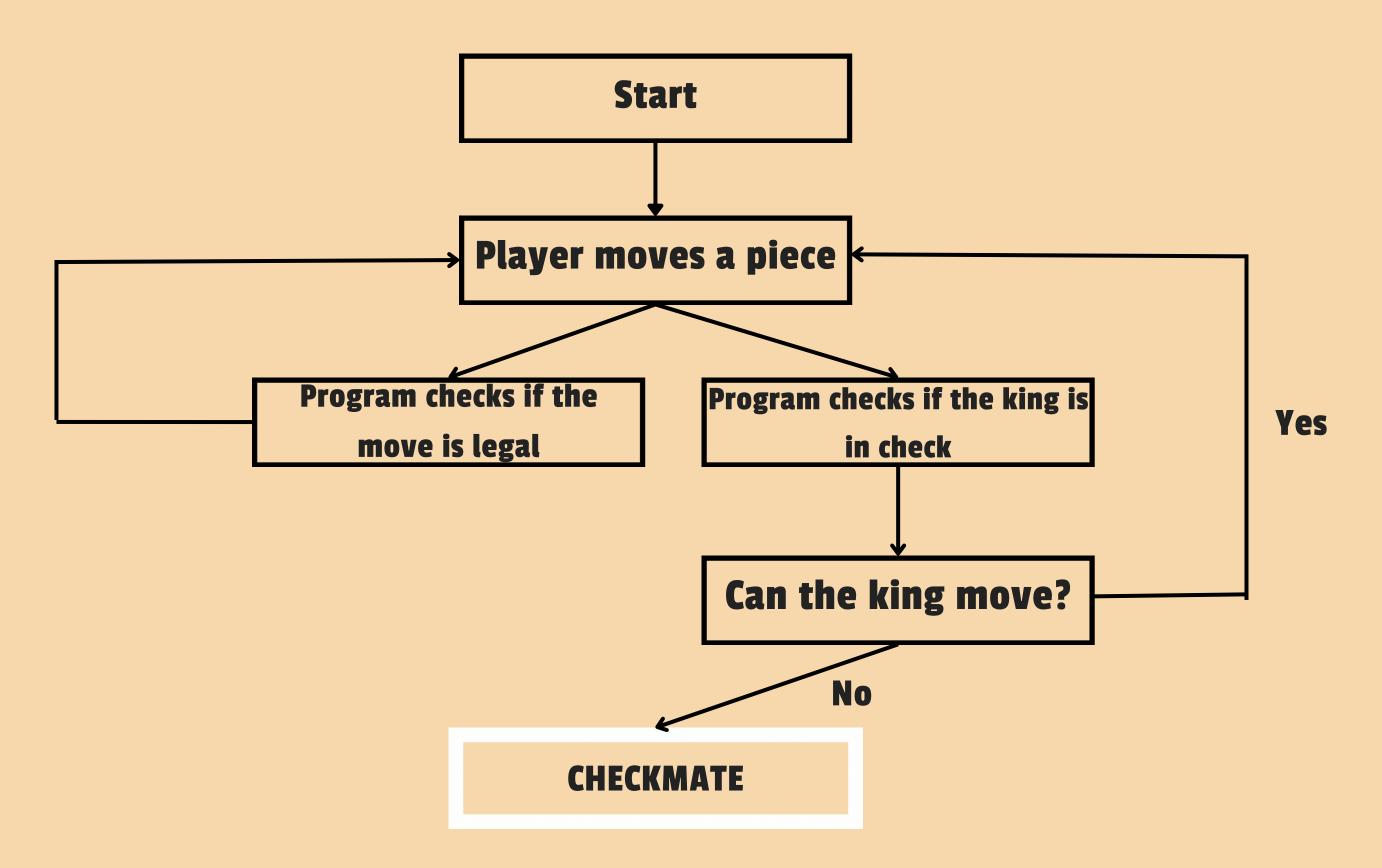


PROJECT FOLDER TREE





FLOWCHART



PROBLEMS FACED



- Graphics Integration with QT
- Handling Game State
 Transitions
- Dead Piece Display

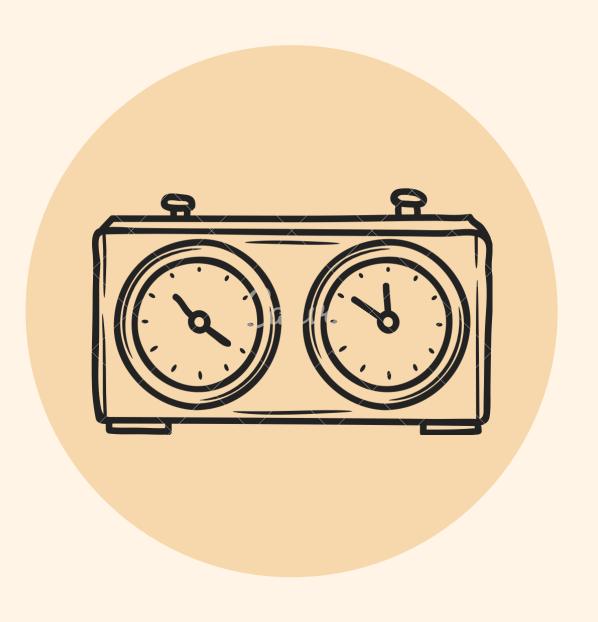
- Integration of ChessRules
- Real-time CheckDetection
- Coordination of Chess
 Piece Movements

Flaws

NO PROMOTION



NO TIMER



THANK YOU FOR LISTENING

LET'S PLAY CHESS!

