

**FACULTY OF COMPUTING AND INFORMATICS**

# TCP2201 Project

**Trimester 2310**

**By <<Group 6>>**

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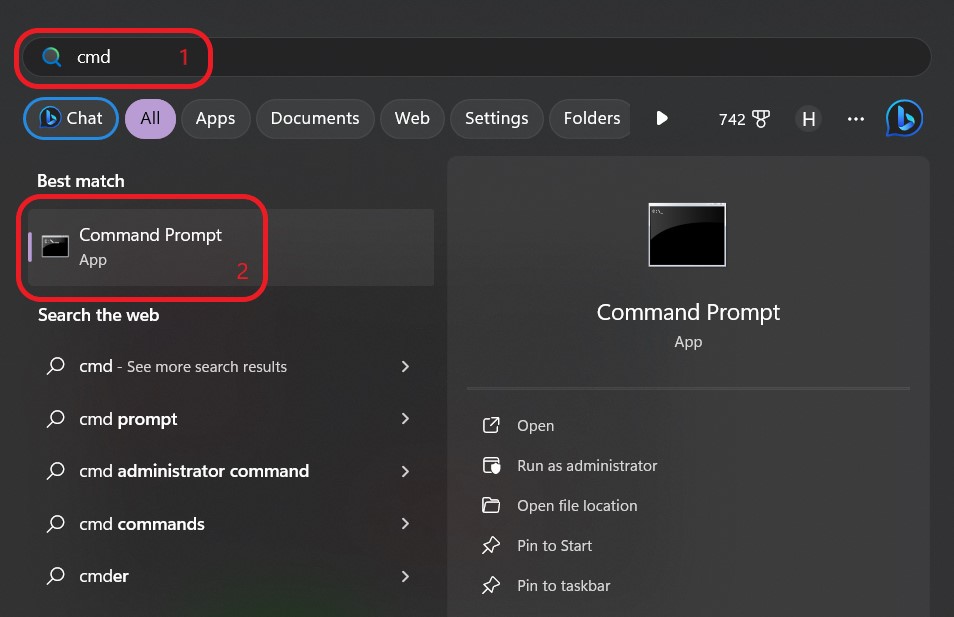
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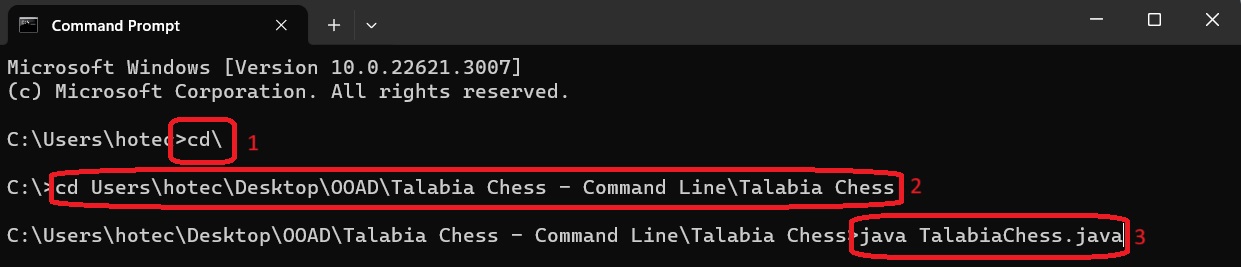
# Compile & Instructions

After extracting the zip file, choose either command line, BlueJ, or VSCode folder.

## Command Line

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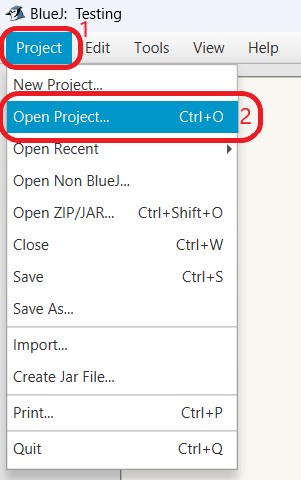
1. Search “**cmd**” and open it if you’re using Windows OS. Search “**terminal**” if you’re using Mac OS.



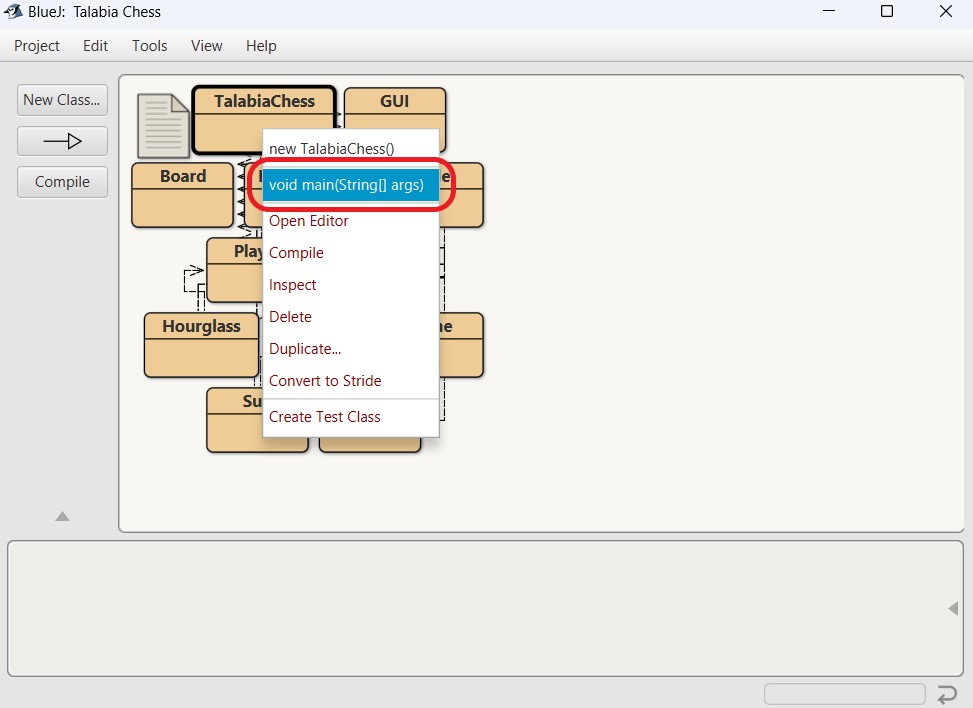
1. Navigate to the outermost directory, also known as the root directory, you can use the following command: “**cd\**”.
2. Go to the directory \***[Talabia Chess - Command Line\Talabia Chess]\***.
3. Run the command “**java TalabiaChess**”.

\*To locate the precise path, navigate to the folder you extracted from the zip file. Once inside the folder, copy the file path from the upper section of the file explorer.\*

## BlueJ

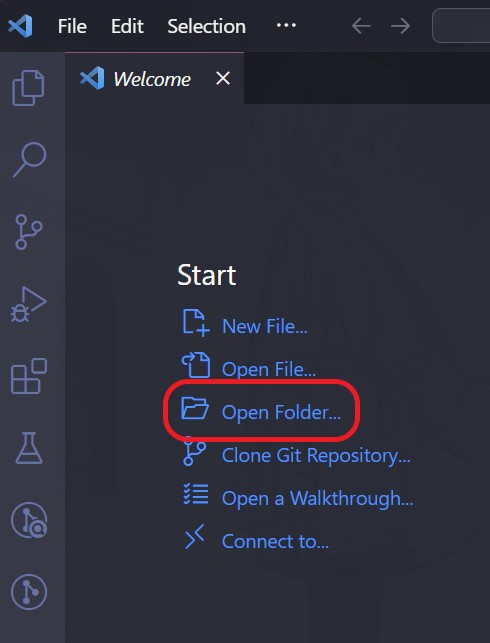


**Open Project** > Select folder “**Talabia Chess**” inside “**Talabia Chess - BlueJ**”.

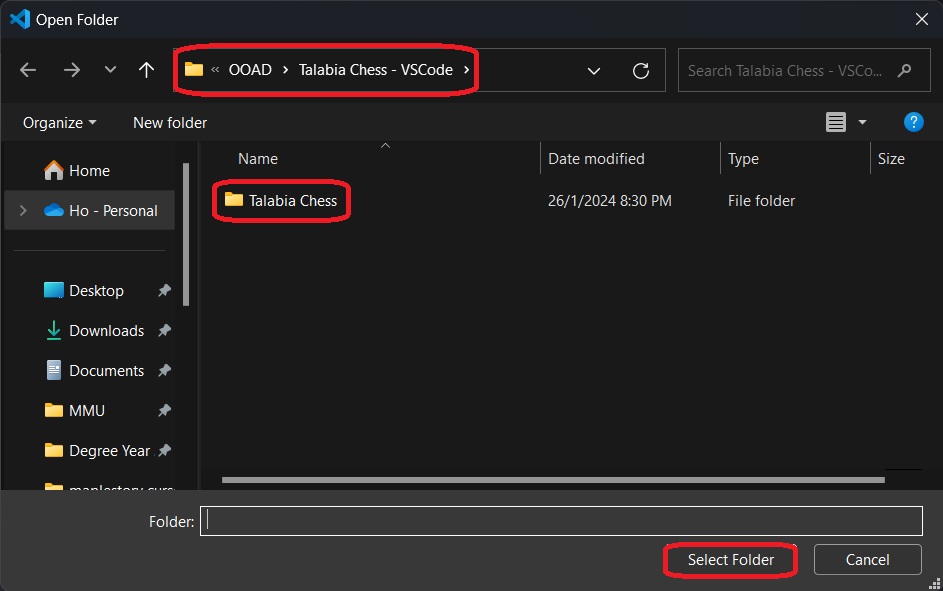
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Right-click“**Talabia Chess**”and click“**void main(String[] args)**”.

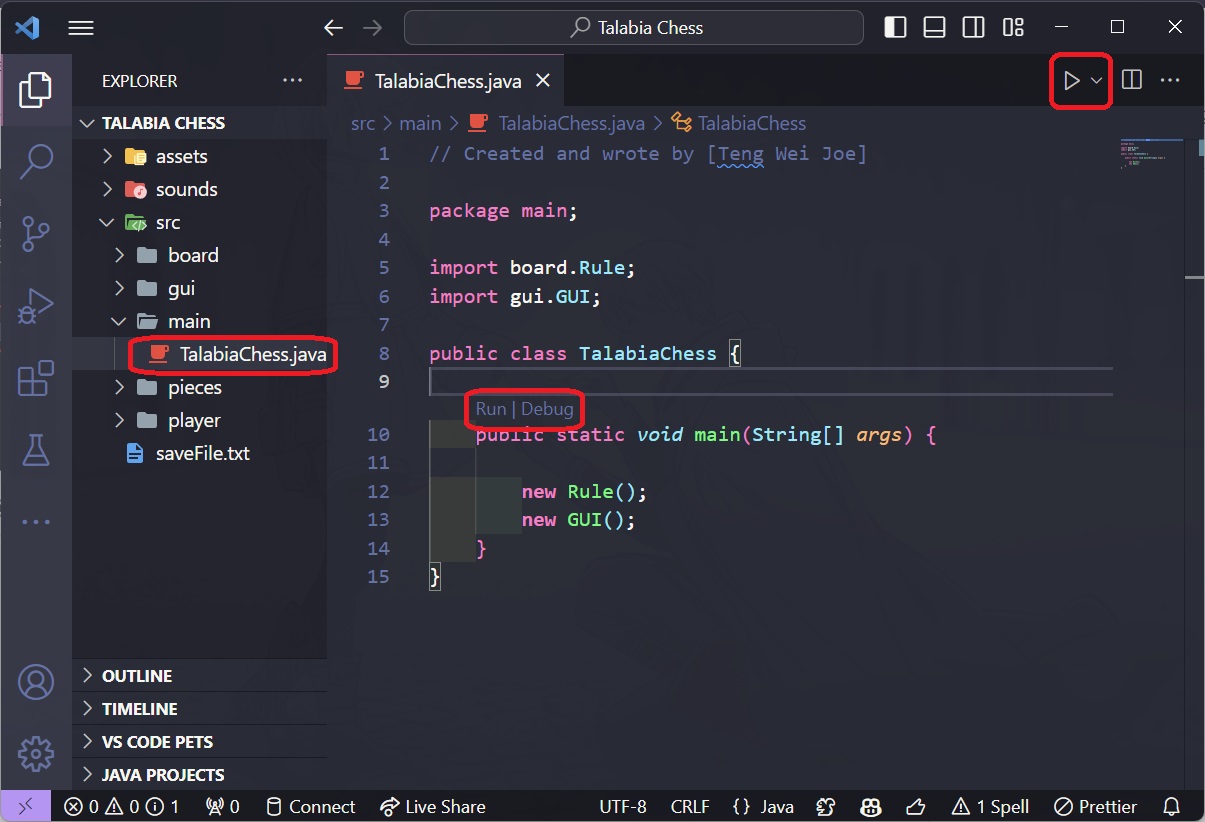
## Visual Studio Code



Select “**Open Folder**” in Visual Studio Code.

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Select the folder “**Talabia Chess**” inside “**Talabia Chess - VSCode**”.

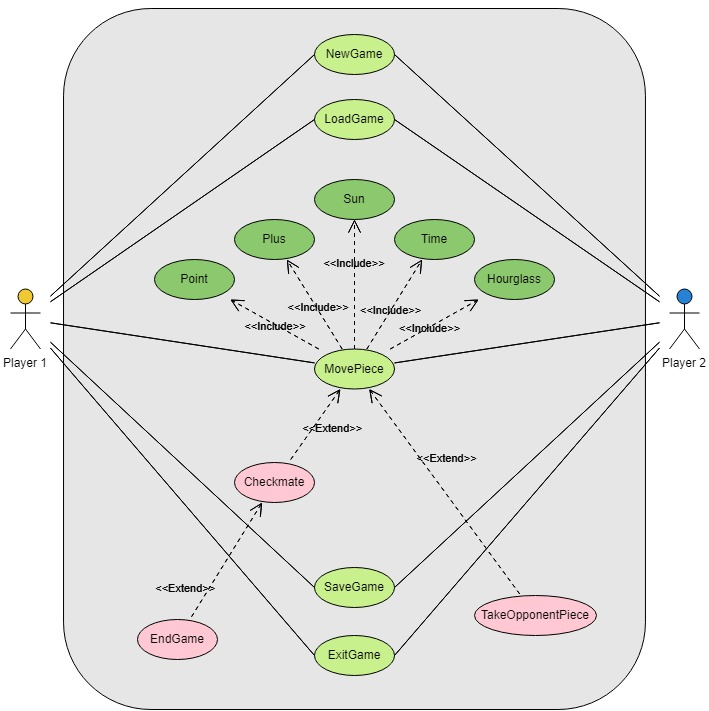


Open “**TalabiaChess.java**” > hold “**Ctrl + F5**” or choose any of the **3** ways to run the TalabiaChess.java:

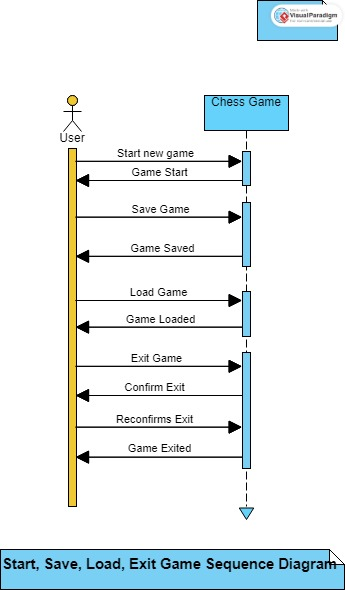
1. Click the “**Run**” button beside the “Go” button.
2. Click the **Arrow** icon(Run) in the top right corner.
3. Click the “**Run | Debug**” button in the “**TalabiaChess.java**”.

# UML Class Diagram

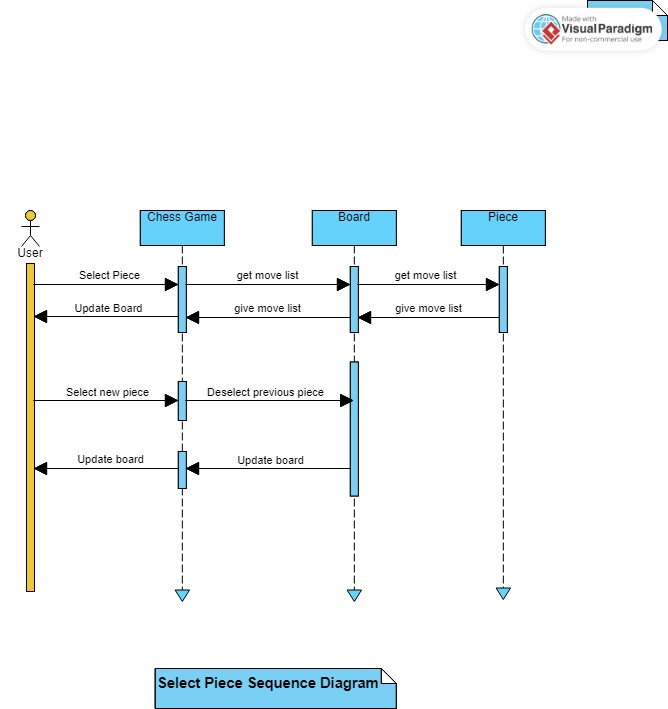
# Use Case Diagram



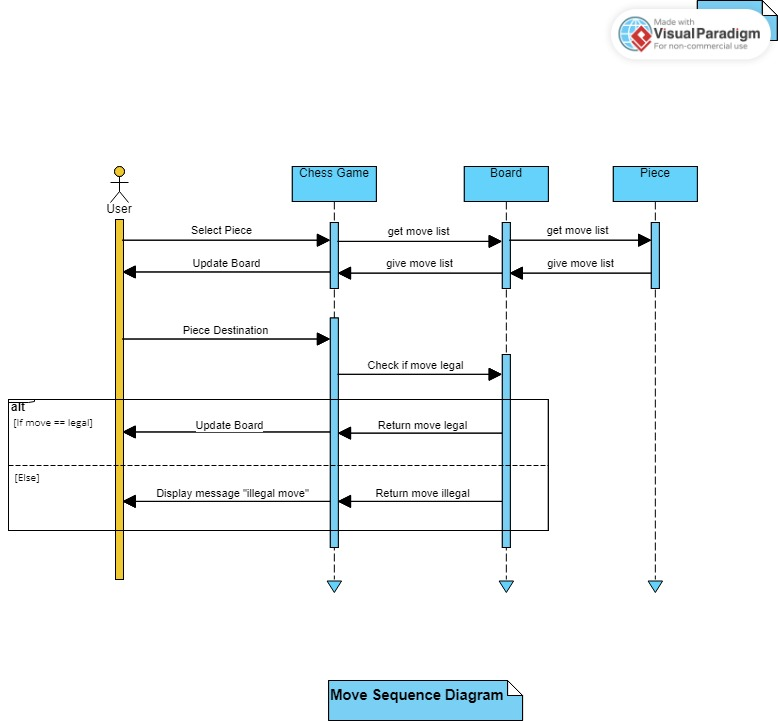
# Sequence Diagram



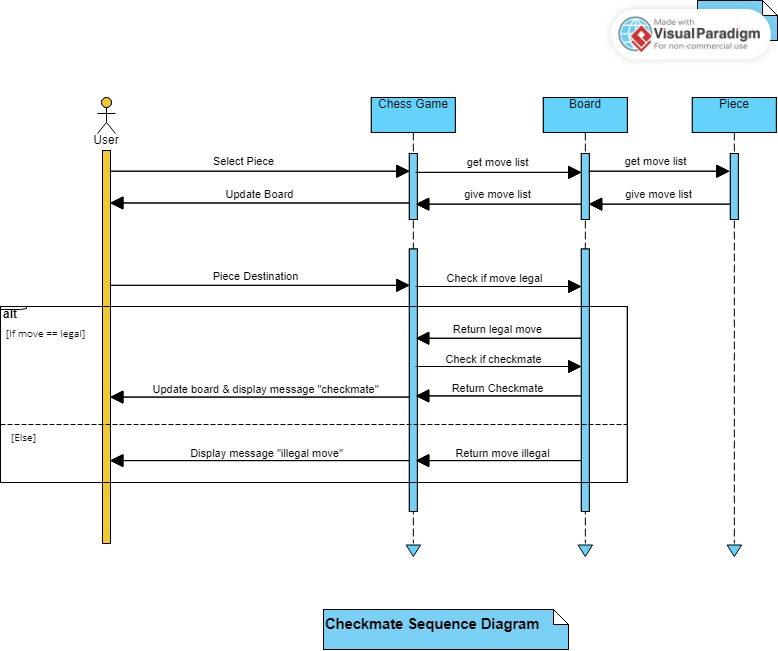
**Start, Save, Load, Exit Game Sequence Diagram**



**Select Piece Sequence Diagram**



**Move Sequence Diagram**

**Checkmate Sequence Diagram**

# User Documentation

**How to use the program**

**Piece movement**

Step 1: Choose the piece you want to move. (Single click)

Step 2: Choose the destination you want the piece to move to. (Single click)

**File** menu:

* **New Game**: creates a new game
* **Save Game**: saves current game
* **Load Game**: loads previously saved game
* **Exit Game**: exits game

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