

# Activity Diagram for the Chess Game

Let's create an activity diagram for the chess game.

We'll cover the following



- Chess game
  - States
  - Actions

An activity diagram is a great way to visualize the flow of messages from one activity to the other in the system. There can be different activity diagrams that we can create for our Chess game. In this lesson, we will create an activity diagram to show how to play chess.

## Chess game

The following states and actions will be involved in this activity diagram.

### States

**Initial state:** The player makes the first move.

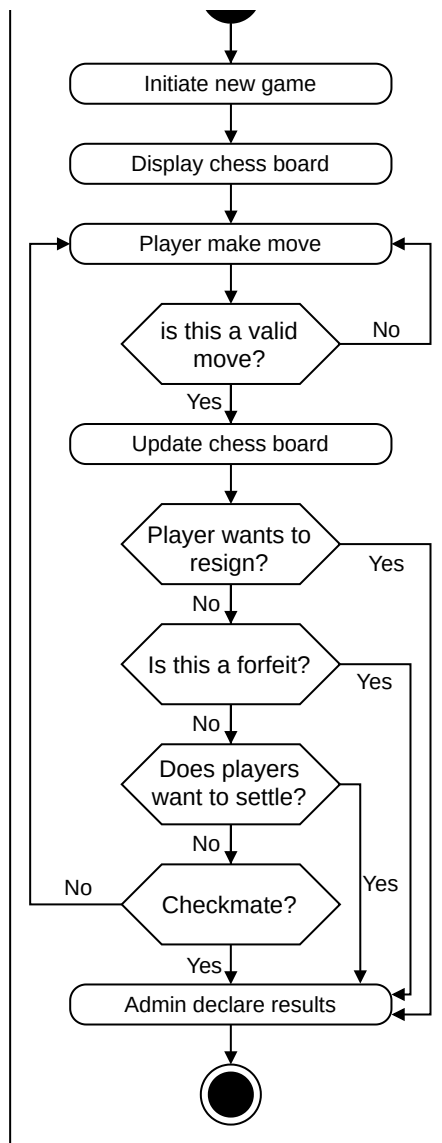
**Final state:** Any of the game-over condition are met.

### Actions

The player initiates a new game. The board appears, and the player takes a turn. The system validates the move, then system checks if any of the game-over conditions are applicable. If the game is not over, the other player takes his turn, and the game continues until any of the game-over conditions are met.

Based on the order above, the activity diagram of chess game is given below.





The activity diagram for an online chess game

We've looked at the activity diagram of our chess game. In the next lesson, we will present the code for our designed classes in some of the most popular languages.

[← Back](#)

Class Diagram for the ...

[Next →](#)

Code for the Chess Ga...

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