



Tic Tac Toe

Customer wants an application - Tic Tac Toe game bot. The application should have an API that can be called to make the moves, and a web interface, where the application can be visible. Create a project which:

1. has a Tic Tac Toe game inside.
2. the application needs to have an API, which could be used to request next move from the application for the game.
3. the application needs to have a web interface, where the game could be played against the bot and viewed in the page. Example: player can select a move, and then the application makes a move using the same API created previously.

Application API Should implement

```
interface MoveInterface
{
    /**
     * Makes a move using the $boardState
     * $boardState contains 2 dimensional array of the game
    field
     * X represents one team, O - the other team, empty
    string means field is
    not yet taken.
     * example
     * [['X', 'O', '']]
    */
}
```

```

    * ['X', 'O', 'O']
    * ['', '', '']
    * Returns an array, containing x and y coordinates for
next move, and the
unit that now occupies it.
    * Example: [2, 0, 'O'] - upper right corner - O player
    *
    * @param array $boardState Current board state
    * @param string $playerUnit Player unit representation
    *
    * @return array
    */
    public function makeMove($boardState, $playerUnit =
'X');
}

```

Considerations:

- Testing

- Versioning (git bundle can be used)

- Code complexity

Make sure to provide instructions how to view/run the application/service. If

you do not complete the whole exercise - make sure to submit whatever you have before deadline. The style of the web interface is irrelevant, as long as it works the way it should.