

CO225: Software Construction

Lab 07 : Event Handling and MVC Approach

Objective:

The major objective of this laboratory class are to learn following topics

- Event handling
- Use of Model View Control (MVC) pattern/architecture

Description:

In this laboratory class, you are expected to implement the classical tic-tac-toe game. Specification for is as follows:

- Display a 3x3 matrix of buttons.
- Each player gets a turn to pick a button which is not selected. If the player selects a button that is already selected, the system should ignore that selection and let the user select again until he/she picks a free button.
- The buttons selected by user 1 should be marked with a 1 and that for user 2 is 2.
- User 1 gets the first chance, then user 2 gets the chance and so on.
- Based on the pick, the game might continue (in which case the other player should get his/her turn) or end with either a win to the current player or a draw. When the game ends the results should be displayed in a different window.

Submission:

You have to submit your code as a single zip file and a separate pdf file to describe the MVC approach in your implementation.