**PLANNING FINAL PROJECT**

Tic-Tac-Toe Game

A simple game for two-players in which they take turns to complete a row, a column or a diagonal with symbol ‘O’ or ‘X’ in 3x3 table.

Player 1 will be marked as ‘X’

Player 2 will be marked as ‘O’

1 2 3

4 5 6

7 8 9

**Process:**

1. First players choose number between 1-9. The chosen number will be marked as ‘X’.
2. Next, second player choose number between 1-9 but cannot be the same number as the Player 1 before.
3. Do it alternately until one of the player win by making the marks in order (horizontally, vertically, or diagonally).
4. If the board already full and none of the players achieve the goal, the game is draw.

**Hierarchy Chart**

Decide the

winner

Players play alternately

Create criteria how to win

Players choose number in the board

Board

Layout

**Board Game**

Input Player’s Name

Welcome Message

**Header**

**Process**

**Tic Tac Toe**

**Game**

**Journal:**

|  |  |  |
| --- | --- | --- |
| **No** | **Date** | **Improvement** |
| 1 | October 6th | Making plans: details and process about the game |
| 2 | October 13th | Starting to make the display |
| 3 | October 20th | -Update planning (Hierarchy Chart)  -Add validation and winner criteria |
|  |  |  |