

Acceptance Test Usage Scenarios
Tic Tac Toe Master
Tic Tac Pac
March 12, 2018

Sprint 1

User Story 1 from Sprint 1: As a player I want to have a basic tic tac toe game so that I can have a warm up mode before playing the harder variants

Scenario:

1. Navigate to Select Game menu and open Tic Tac Toe
2. Select local multiplayer option
3. Complete a row of 3 in any direction as 'X' or 'O'
4. The win screen should display the appropriate winner

Scenario:

1. Navigate to Select Game menu and open Tic Tac Toe
2. Select local multiplayer option
3. Fill the board with 9 pieces, with no row of three in any direction for either X or O
4. The win screen should a message indicating the game ended in a draw

User Story 2 from Sprint 1: As a player, I want a database with user information integrated so that my progress is saved when I log out

Scenario:

1. Create a new account and login
2. Play a game of local multiplayer tic tac toe to earn 50 cash
3. Logout
4. When you login back in the user info should be saved

User Story 3 from Sprint 1: As a player, I want a main menu that allows me to select which variant to play and go to different customization/leaderboard options

Scenario:

1. Navigate to Select Game menu and open Tic Tac Toe
2. Select local multiplayer
3. A game of tic tac toe should begin

Scenario:

1. Navigate to Select Game menu and open 3D Tic Tac Toe
2. Select local multiplayer
3. A game of 3D tic tac toe should begin

Scenario:

1. Navigate to Select Game menu and open Order and Chaos
2. Select local multiplayer
3. A game of Order and Chaos should begin

Scenario:

1. Navigate to Select Game menu and open Ultimate Tic Tac Toe
2. Select local multiplayer
3. A game of ultimate tic tac toe should begin

Sprint 2

User Story 1 from Sprint 2: As a player, I want a 3D variant of tic tac toe so that there is a more challenging option for gameplay

Scenario:

1. Navigate to Select Game menu and select the 3D tic tac toe game
2. Select local multiplayer option
3. Get four in a row in any direction with a piece (X or O)
4. You will be brought to the end of game screen saying who won

Scenario:

1. Navigate to Select Game menu and select the 3D tic tac toe game
2. Select local multiplayer option
3. Fill the boards with Xs and Os without getting four in a row
4. You will be brought to the end of game screen saying the game was a draw

User Story 2 from Sprint 2: As a player, I want to play Order and Chaos so that there is an even more challenging option for gameplay other than 3D TicTacToe

Scenario:

1. Navigate to Select Game menu and open Order and Chaos
2. Select local multiplayer option.
3. Complete any row of 5 X's or O's
4. The win screen should be displayed to the Order player

Scenario:

1. Navigate to Select Game menu and open Order and Chaos
2. Select local multiplayer option
3. Fill the board with X's and O's such that 5 in a row don't occur for any of them.
4. There is no check to see that Chaos wins, but Order can then press forfeit and the Chaos will be displayed as the winner.

User Story 3 from Sprint 2: As a player, I want a leaderboard to keep track my win rates and ranking so that I know where I stand compared to other players.

Scenario:

1. Navigate to the Leaderboard
2. The top 10 performing players should be listed for each game

Scenario:

1. Play a game as a new user
2. Win and lose some games
3. The user's wins and losses with a ranking should be displayed on the leaderboard

User Story 4 from Sprint 2: As a player, I want to be able to change the theme of the board and pieces and my profile pic for Tic Tac Toe (basic changes) to make my experience more customizable (via the currency system)

Scenario:

1. Navigate to the customization tab
2. Select to buy a board, piece, or background not unlocked.
3. Confirm the purchase with the game's currency

4. That selection will be unlocked

Scenario:

1. Navigate to the customization tab
2. Select a board, piece, or background that is unlocked
3. The tile will show it is selected
4. Now when a game is played, that selection will be used

User Story 5 from Sprint 2: As a player, I want to be able to play tic tac toe with a friend via a network so that I can be mobile and still play/get challenged by them

Scenario:

1. Navigate to select game menu and select tic tac toe
2. Select the multiplayer option
3. If another player is waiting to play it will connect you to a lobby
4. Get three in a row in any direction with a piece (X or O)
5. You will be brought to the end of game screen saying who won

Scenario:

1. Navigate to select game menu and select tic tac toe
2. Select the multiplayer option
3. If another player is waiting to play it will connect you to a lobby
4. Fill the board with Xs and Os without getting three in a row
5. You will be brought to the end of game screen saying the game is a draw

Scenario:

1. Navigate to select game menu and select tic tac toe
2. Select the multiplayer option
3. If another player is waiting to play it will connect you to a lobby
4. If one of the players in the lobby leaves the website a screen will say opponent disconnected

User Story 6 from Sprint 2: As a player, I want to be able to play 3D tic tac toe with a friend via a network so that I can be mobile and still play/get challenged by them

1. Navigate to select game menu and select 3D tic tac toe
2. Select the multiplayer option
3. If another player is waiting to play it will connect you to a lobby
4. Get four in a row in any direction with a piece (X or O)
5. You will be brought to the end of game screen saying who won

Scenario:

1. Navigate to select game menu and select 3D tic tac toe
2. Select the multiplayer option
3. If another player is waiting to play it will connect you to a lobby
4. Fill the board with Xs and Os without getting three in a row
5. You will be brought to the end of game screen saying the game is a draw

Scenario:

1. Navigate to select game menu and select 3D tic tac toe
2. Select the multiplayer option
3. If another player is waiting to play it will connect you to a lobby
4. If one of the players in the lobby leaves the website a screen will say opponent disconnected

Sprint 3

User Story 1 from Sprint 3: As a player, I want to play Ultimate Tic Tac Toe to that there is a more challenging option for gameplay other than 3D and Order vs Chaos

Scenario:

1. Navigate to Select Game menu and open Ultimate Tic Tac Toe
2. Select local multiplayer option
3. Complete a row of 3 in any direction as 'X' or 'O' on a small board
4. The board should have a large 'X' or 'O' display on the small board that was completed

Scenario:

1. Navigate to Select Game menu and open Ultimate Tic Tac Toe
2. Select local multiplayer option
3. Cause a draw to occur on a small board
4. A poop emoji should appear on the board that has a draw to indicate that there was a draw on that board

Scenario:

1. Navigate to Select Game menu and open Ultimate Tic Tac Toe
2. Select local multiplayer option
3. Place a piece on the bottom left corner of the top right board
4. The next player should only be allowed to place a piece on the bottom left board

Scenario:

1. Navigate to Select Game menu and open Ultimate Tic Tac Toe
2. Select local multiplayer option
3. Complete a row of 3 x's or O's on the big board
4. The win screen should display which piece won

Scenario:

1. Navigate to Select Game menu and open Ultimate Tic Tac Toe
2. Select local multiplayer option
3. Fill the big board in such a way that there are no rows of three of a single piece
4. The win screen should display a message that there was a draw

Scenario:

1. Navigate to Select Game menu and open Ultimate Tic Tac Toe
2. Select local multiplayer option
3. Place a piece in such a way that it will send the opponent piece to a board that is already won (i.e place a piece in the top left of a small board when the big board has a piece placed in the top left)
4. The next player should be allowed to place a piece on any board adjacent to the board that is complete

User Story 2 from Sprint 3: As a player, I want to be able to play order and chaos with a friend via a network so that I challenge my friends

Scenario:

1. Navigate to Select Game menu and open Order & Chaos
2. Select online multiplayer option
3. Either open a new tab and login as a separate user or login on a separate computer on

- repeat steps 1 and 2 on the new tab/computer
4. On each tab/computer, the opponent should appear on the right side of the screen and the game should begin

User Story 3 from Sprint 3: As a player, I want to be able to play 3D Tic Tac Toe with a friend via a network so that I challenge my friends

Scenario:

1. Navigate to Select Game menu and open 3D Tic Tac Toe
2. Select online multiplayer option
3. Either open a new tab and login as a separate user or login on a separate computer on repeat steps 1 and 2 on the new tab/computer
4. On each tab/computer, the opponent should appear on the right side of the screen and the game should begin

User Story 4 from Sprint 3:

As a player, I want there to be sound effects in response to my actions in Tic Tac Toe so that the gameplay is more engaging

Scenario:

1. Hovering over a menu option in any game should play a sound
2. Clicking a menu option in any game should play a sound
3. Placing a piece in any game should play a sound
4. Winning a game should play a sound
5. Losing a game should play a sound
6. Drawing a game should play a sound

Sprint 4

User Story 1 from Sprint 4:

As a player, I want to be able to play Ultimate Tic Tac Toe with a friend via a network so that I challenge my friends

Scenario:

1. Navigate to Select Game menu and open Ultimate Tic Tac Toe
2. Select online multiplayer option
3. Either open a new tab and login as a separate user or login on a separate computer on repeat steps 1 and 2 on the new tab/computer
4. On each tab/computer, the opponent should appear on the right side of the screen and the game should begin

User Story 2 from Sprint 4: As a player, I would like there to be achievements for special actions

Scenario:

1. Create a new user
2. Play a game of tic tac toe on local multiplayer
3. Notifications for unlocked achievements should pop up
4. Navigate to the achievements tab
5. The progress on every achievement should be displayed

User Story 3 from Sprint 4: As a player, I would like there to be AI for all of the games so that I can practice and learn how to play the game

Scenario:

1. Navigate to any game and select single player option
2. Select any difficulty
3. You should be able to play against an AI for that game (on hard, the AI should be reasonably difficult to defeat for tic tac toe, 3D, and Order & Chaos)

User Story 4 from Sprint 4: As a player, I would like an online game chat so that I can communicate with other players

Scenario:

1. Navigate to Select Game menu and open Ultimate Tic Tac Toe
2. Select online multiplayer option
3. Either open a new tab and login as a separate user or login on a separate computer on repeat steps 1 and 2 on the new tab/computer
4. Send a message in the chat to the opponent
5. On the opponent's computer/tab, the message should display in the chat box

User Story 5 from Sprint 4: As a player, I would like to have instructions of the game so that I know how to play it.

Scenario:

1. In the main menu, click on the instruction button below one of the game.
2. Read the instruction that pops out for the corresponding game.
3. Click on the source button to see if it redirects to the source of the instructions.
4. Click on the return button to exit out of instructions.
5. Repeat the process for other games.