10/18/2016

ASSIGNMENT 2: PYGAME

Tic-Tac-Toe & Snakes

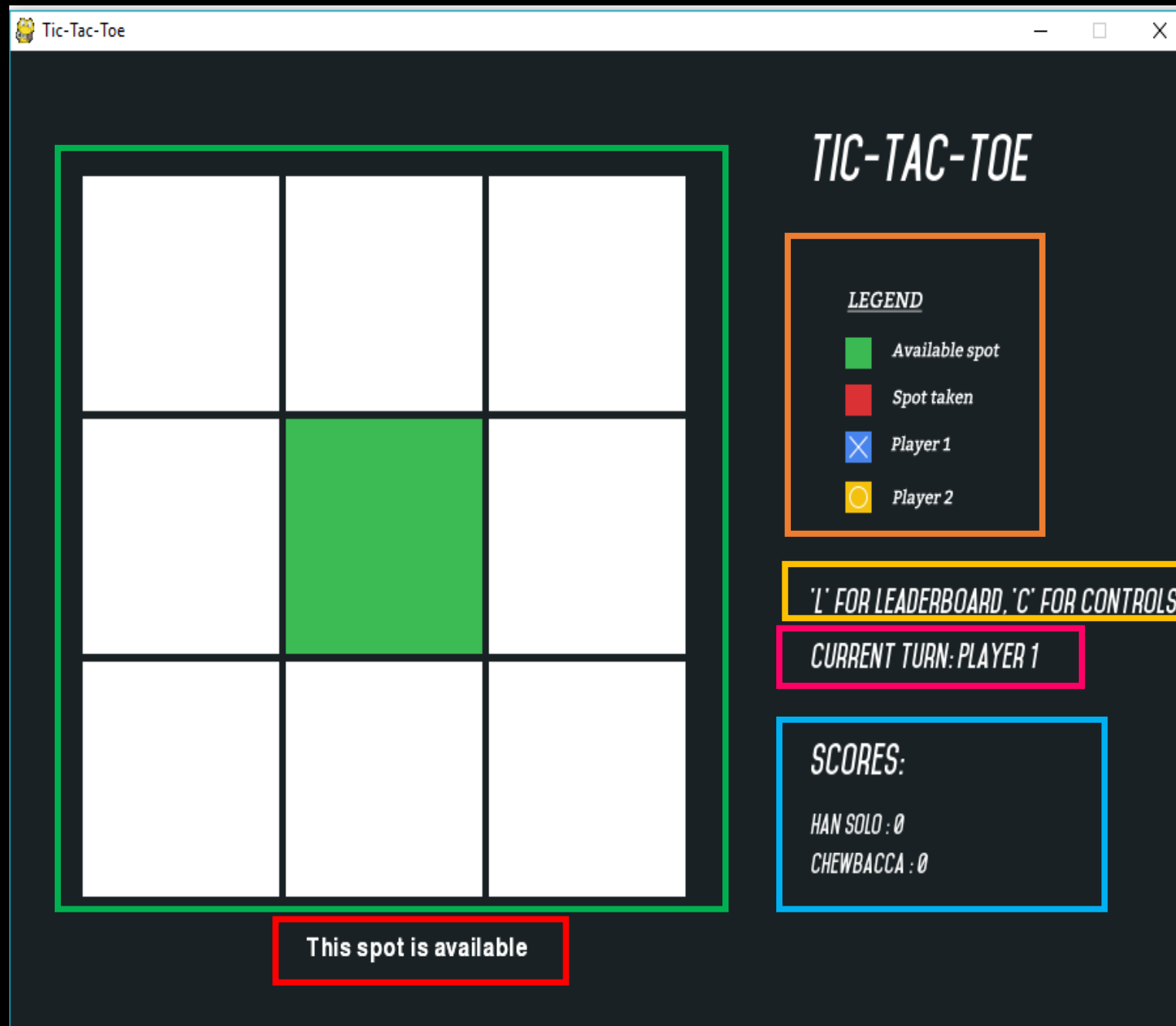Group: 110100100_{b2}

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Game 1: Tic-Tac-Toe

The Interface

Helpful hints are displayed at the bottom of the window.

The tic-tac-toe grid. Players can navigate through the grid using the direction keys (up, down, left and right arrows) or the WASD letter keys, depending on if they are player 1 or player 2.

Displays who is to play the next move.

The scoreboard keeps track of the number of wins for each player

A legend/key is also provided on the interface for additional clarification on the various colours and symbols used in game.

Additional functions include, a leader board which displays the top 5 scores in the event that the 'L' key is pressed. To familiarise yourself with the controls, press 'C'.
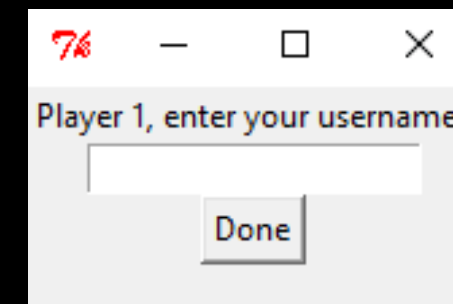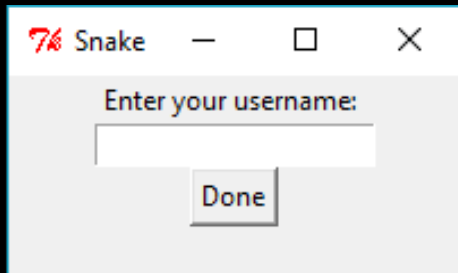

Enter player names. These names are then stored for scoring purposes
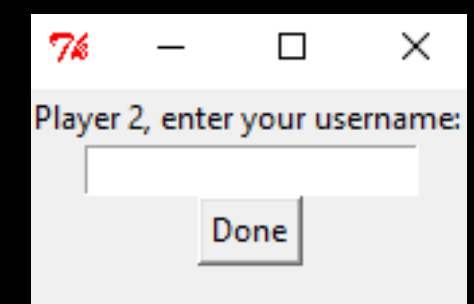
Game 2: Snakes

The Interface

The username entered is stored and used for scoring purposes. So if you manage to beat any of the top 5 scores, the leader board is updated with your details.

The RED squares on the grid represents the 'apples' that the snake is required to consume.

A legend/key is also provided on the interface for additional clarification.

The masses of BLUE squares are obstacles. If the snake collides with these it's game over.

The snake is represented by the line of GREEN squares, controlled by the user via the directional arrow keys (up, down, left, right). The snake grows longer with each apple consumed.

The difficulty (speed of the snake) in the game is calculated based on the score. It is displayed in the panel on the right. It increases as the score increases. The score i.e. The number of apples consumed, is also displayed in the panel.

To save your game, press the 'L' key. Doing so will also load the leader board, which displays the top 5 scores.

To pause the game press 'P' , press 'U' to continue with the game.

Take note of the following:

- the snake collides with an obstacle=Game Over
- the snake collides with the edges of the grid=Game Over
- or the snake bites itself=Game Over

The user is also given an option to play again if the 'r' key is entered. The grid is then reset and the game begins again. Be alert, the game begins immediately ☺