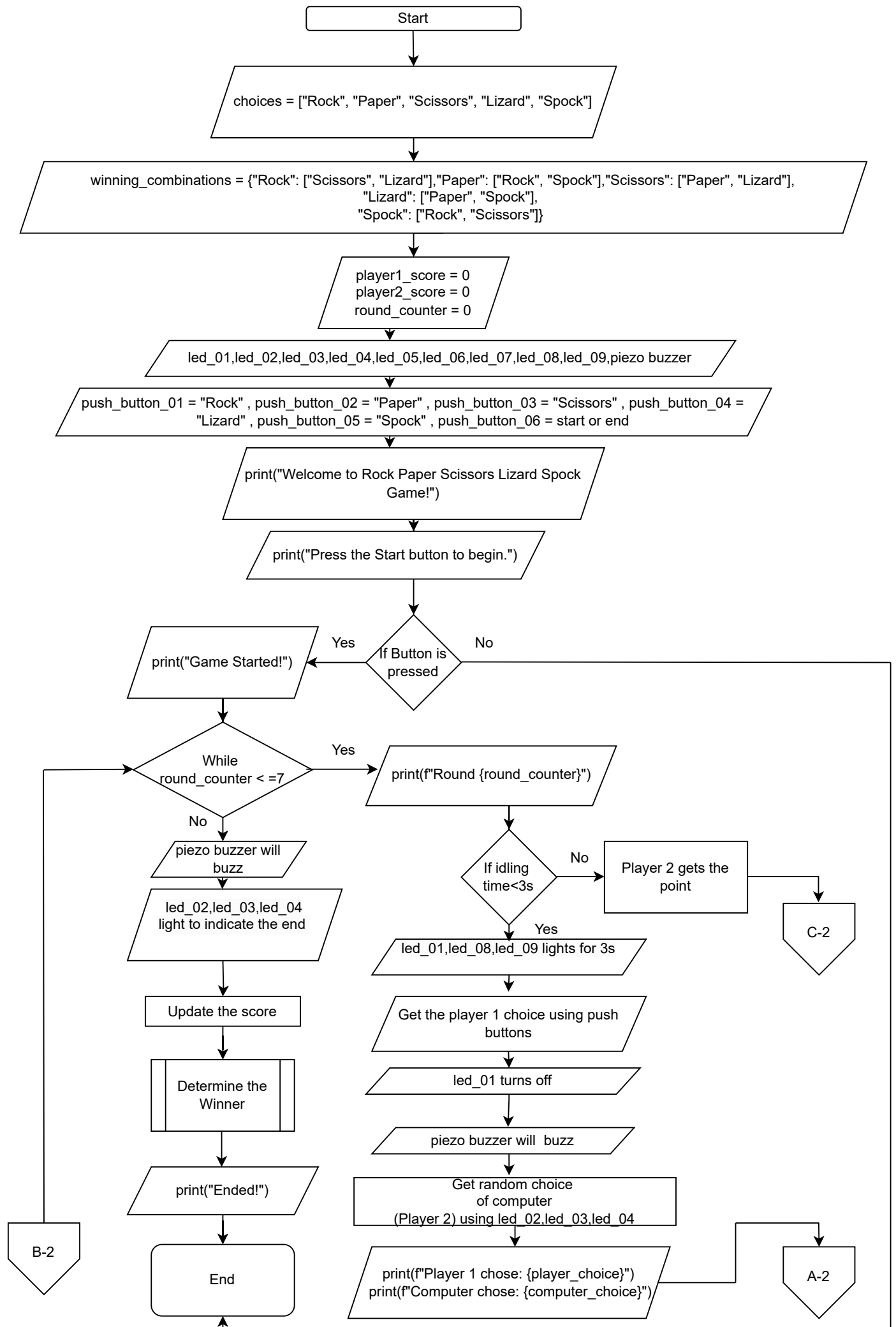


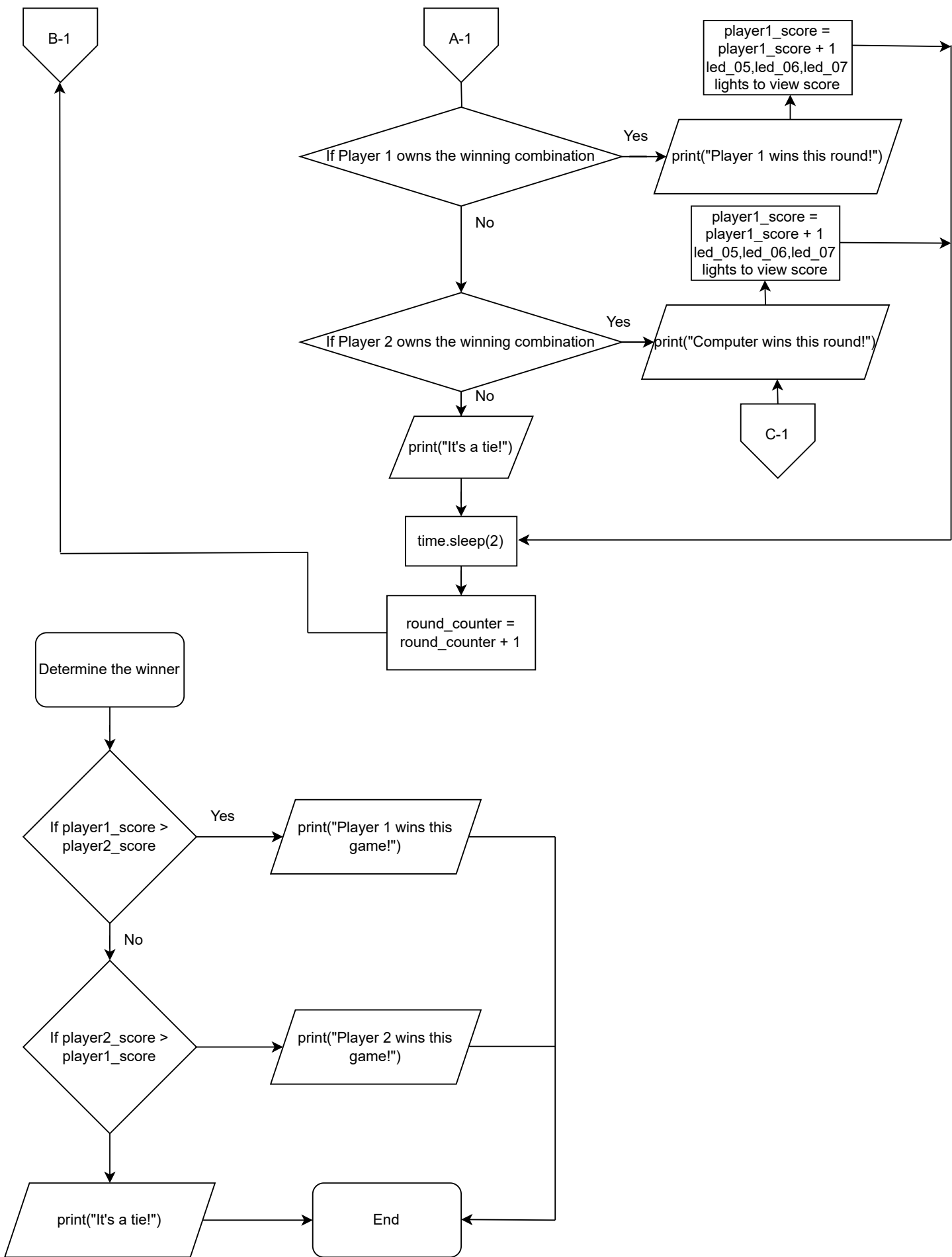
GP106 Computing Project Flowchart

Group - B21
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Team Members

1. E/21/218 Kaushalya K.G.K.
2. E/21/219 Kaveeshwara E.W.V.
3. E/21/220 Kavishanthan S.
4. E/21/221 Kethmindu B.A.G.S.
5. E/21/222 Kithsara G.H.C.





Description

1) choices = ["Rock", "Paper", "Scissors", "Lizard", "Spock"] – There are only 5 choices in the game

2) winning_combinations = {"Rock": ["Scissors", "Lizard"], "Paper": ["Rock", "Spock"], "Scissors": ["Paper", "Lizard"], "Lizard": ["Paper", "Spock"], "Spock": ["Rock", "Scissors"]}

So these are the winning combinations.

For an example if player 1's choice is Scissors or Lizard, player 2 can only win if the choice is Rock

3) player1_score and player2_score – Respectively Player 1's score and Player 2's score

4) round_counter – Variable to increase the round's number after every round is finished

5) Input of the components which will be used in this project -

led_01, led_02, led_03, led_04, led_05, led_06, led_07, led_08, led_09, led_10, piezo buzzer

6) push_button_01 = "Rock", push_button_02 = "Paper", push_button_03 = "Scissors", push_button_04 = "Lizard", push_button_05 = "Spock", push_button_06 = start or end

Use of push buttons for choices and start/end

7) print(f"Player 1 chose: {player_choice}") print(f"Computer chose: {computer_choice}") – To showcase the respective choices of player 1 and player 2

8) If Player 1 owns the winning combination

If Player 2 owns the winning combination – As I mentioned earlier player 1 and player 2 will win according to their choices

9) time.sleep(2) – 2s time between the finished round and new round

10) round_counter = round_counter + 1 - To increase the value of the variable, round_counter after every round finishes