

Test ID	Use Case	Expected Results	Instructions	Actual Results	PASS/FAIL	Out of Scope: Additional Feature Backlog
TC1.1	As a user, I want to easily understand the purpose of the site.	The purpose of the website is promoted in the title and sub-heading indicating that it is a game.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Check main title and header beneath main title reading 'Bet on Turtles and try each 1000 'Token' tokens'	Purpose of site is clear upon page loading with game title and sub heading informing of winning scenario.	PASS	
TC1.2	As a user, I want to easily understand the purpose of the site.	The game instructions will be displayed in results box underneath the game window and next to start game button.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Scroll down to bottom of game window to find instructions reading: 'Decide which Turtle you want to bet tokens on' 'Place the token amount in the corresponding box' 'Click on Start Race to see which Turtle wins' 'Click on Next Race to reset the track for a new race' 'Win the game by reaching 1000 Tokens' 'Be careful not to let your Token reach 0'	Game instructions are clear and visible beneath the game window which gives further insight into purpose.		
TC2	As a user, I want to clearly view the website and content on any device.	The website will be accessible and fully functional on Mobile, Tablet, and Desktop.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Open developer tools 3. Click the toggle device toolbar 4. Click and drag responsive window to all viewport widths down to and including 300px 5. Ensure content layout is not compromised	All content structure and text flows well when reduced all the way down to a viewport width of 300px.	PASS	
TC3	As a user, I want to clearly view the website and content on any browser.	The website will be accessible and fully functional on Chrome, Edge, Firefox, and Safari.	1. Open website on Google Chrome https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Open website on Microsoft Edge https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 3. Open website on Mozilla Firefox https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 4. Open website on Safari https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 5. Ensure content layout is not compromised	All content structure and text remains consistent when viewed on all four browsers of choice.	PASS	
TC4	As a user, I want to be able to understand how the game works with clear instructions.	The game instructions will be displayed in results box underneath the game window and next to start game button.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Scroll down to bottom of game window to find instructions reading: 'Decide which Turtle you want to bet tokens on' 'Place the token amount in the corresponding box' 'Click on Start Race to see which Turtle wins' 'Click on Next Race to reset the track for a new race' 'Win the game by reaching 1000 Tokens' 'Be careful not to let your Token reach 0'	Game instructions are clear and visible beneath the game window with good contrast between text and background.	PASS	
TC5	As a user, I want the odds to win the race clearly shown for each turtle.	Odds displayed in correct format underneath each turtle portrait.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Check odds values underneath each turtle portrait and name in their respective race lanes.	Immediately upon page load the odds for each turtle are displayed above their race lane which is indicative of race outcome.	PASS	
TC6	As a user, I want to choose the turtle I want to bet on based on odds, name and portrait.	Turtle pictures and turtle names will be shown above corresponding race lane.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Check turtle portraits and names above their respective race lanes.	Immediately upon page load the turtle portraits and the names attributed to them are visible above the race lanes. It is intuitive as to which turtle belongs to each lane.	PASS	Allow user to upload their own pet photos and decide on names for a more engaging user experience.
TC7.1	As a user, I want to be able to easily bet on my chosen turtle.	Input boxes are provided underneath each turtle for bet placement.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Use the stepper (up and down arrows) to increment from 1 up to total user tokens 6. Repeat for each input box.	Entering an amount between 1 and the available tokens remaining is possible and with no issues found. This is consistent between all 4 input fields.		
TC7.2	As a user, I want to be able to easily bet on my chosen turtle.	Input boxes prevent inputs of the decimal point (period).	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Use the stepper (up and down arrows) to increment from 1 up to total user tokens 6. Repeat for each input box.	Entering a decimal point is not possible. Trying to paste a decimal point into the input field is also not possible. This is consistent between all 4 input fields.		
TC7.3	As a user, I want to be able to easily bet on my chosen turtle.	Input boxes begin incrementing from 1.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Click on the up arrow on the right hand side of input box. 5. Check the down arrow on the right hand side of input box. 6. Repeat for each input box.	Clicking on the up arrow after choosing an input box increments the value by 1, and the down arrow decrements the value by 1. This is consistent between all 4 input fields.		
TC7.4	As a user, I want to be able to easily bet on my chosen turtle.	Value in input boxes will automatically change to the user's maximum token value if they input a value that exceeds it.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value that exceeds the total tokens displayed underneath game window 5. Use the up arrow until the value exceeds the total tokens. 6. Repeat for each input box.	When attempting to type in a value that exceeds my total user tokens, or try to do the same with the up arrow, the value in the box is changed to my maximum available tokens. This is consistent between all 4 input fields.		
TC7.5	As a user, I want to be able to easily bet on my chosen turtle.	Value of input boxes will automatically be removed if a value below 1 is entered.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 0 5. Use the up arrow until the value reaches a value of 0. 6. Repeat for each input box.	When attempting to type in 0 or use the down arrow to reach 0, the input field remains empty. This is consistent between all 4 input fields.		
TC8	As a user, I want to be warned if I forgot to input a bid before starting the race.	Alert dialog will pop up explaining that a bid must be input in order for a race to begin.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to 'Start Race' button 3. Click on button 4. Move cursor to bet input box 5. Without entering anything, press Enter on keyboard 6. Repeat for each input box.	With no prior action after page load, clicking on the 'Start Race' button causes a pop up window telling me that I must place a bid before a race can commence. When clicking inside a betting box and then pressing Enter on keyboard, the same popup window is shown. This is consistent between all 4 input fields.	PASS	
TC9	As a user, I want to be able to see how many tokens I have remaining.	Tokens are clearly displayed beneath the game window.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Scroll down beneath the game window. 3. User tokens displayed on bottom left.	My total tokens value is easy to find beneath the game menu in bold.	PASS	
TC10.1	As a user, I want to be able to quickly and easily start a race.	Once a bet has been placed in an input box of a turtle, pressing on the Start Race button will initiate the race.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Scroll click and click on the 'Start Race' button	Having entered my bet in the bet input box of my chosen turtle, clicking on the 'Start Race' button removes the turtle icons from their initial positions and moves them to designated finishing positions.	PASS	
TC10.2	As a user, I want to be able to quickly and easily start the race.	Once a bet has been placed in an input box of a turtle, pressing Enter on the keyboard will initiate the race.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Press Enter or scroll down and click on the 'Start Race' button 6. Look at each race lane for turtle finishing positions.	Using the Enter key on my keyboard produces the same result across all 4 bet input fields.		
TC11	As a user, I want to be able to clearly see where the turtles have finished in each race.	Once the race has been initiated the turtles, reflected by their turtle icons, will move to their finishing positions in their respective lanes	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Press Enter or scroll down and click on the 'Start Race' button 6. Look at each race lane for turtle finishing positions.	Having entered my bet in the bet input box of my chosen turtle, clicking on the 'Start Race' button removes the turtle icons from their initial positions and moves them to designated finishing positions. It is clear as to which turtle has finished in each positions out of the four available: 1st, 2nd, 3rd and 4th.	PASS	Animate turtle icons down their lanes for a more engaging user experience.
TC12.1	As a user, I want to see my tokens update after each race.	After race has been initiated and the turtle chosen for bet has won, user tokens will update returning the value of the bet aswell as the winnings based on the odds multiplier.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Press Enter or scroll down and click on the 'Start Race' button 6. Keep playing until you lose a race 7. Check each token has been depleted by your bet value	When I place a bet on a winning turtle, my user tokens value shakes, changes to the colour green briefly and updates to the correct value including my stake and winnings.	PASS	
TC12.2	As a user, I want to see my tokens update after each race.	After race has been initiated and the turtle chosen for bet has lost, user tokens will deplete by the bet value amount.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Press Enter or scroll down and click on the 'Start Race' button 6. Keep playing until you lose a race 7. Check each token has been depleted by your bet value	When I place a bet on a losing turtle, my user tokens value shakes, changes to the colour red briefly and updates to the correct value after subtracting my stake.		
TC13	As a user, I want to be able to see if I win my bet, and how many tokens I won.	After race has been initiated and the turtle chosen for bet has won, a results box beneath the game window will show information on race outcome and tokens won.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Press Enter or scroll down and click on the 'Start Race' button 6. Keep playing until you win a race 7. Check information on the winning turtle and tokens gained is correct	When I place a bet on a winning turtle, the text in the box beneath the game window changes from game instructions to text informing me of the race winner, that I have won and my bet stake and bet winnings values. All values are correct after multiple race outcomes.	PASS	
TC14	As a user, I want to be able to see if I lose my bet, and how many tokens I lost.	After race has been initiated and the turtle chosen for bet has lost, a results box beneath the game window will show information on race outcome and tokens lost.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Press Enter or scroll down and click on the 'Start Race' button 6. Keep playing until you lose a race 7. Check information on the winning turtle and tokens lost is correct	When I place a bet on a losing turtle, the text in the box beneath the game window changes from game instructions to text informing me of the race winner, that my chosen turtle didn't win the race and the amount of tokens that I lost in doing so. All values are correct after multiple race outcomes.	PASS	
TC15.1	As a user, I want to be able to visually see how many tokens I need to win the game.	Taken progress towards the winning scenario of acquiring 1000 tokens will be visually displayed beneath the game window on the right.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Press Enter or scroll down and click on the 'Start Race' button 6. Keep playing until you win a bet 7. Check progress information beneath the game menu on the right to see if the token progress goes down by the value bet	Beneath the game window I am able to see progress towards a winning outcome by text telling me of my current tokens and the tokens required to win. It also shows me how many races I have done so far. All values are correct after multiple race outcomes.	PASS	
TC15.2	As a user, I want to be able to visually see how many tokens I need to win the game.	Taken progress towards the winning scenario of acquiring 1000 tokens will be visually displayed by a progress bar beneath the game window on the right.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Press Enter or scroll down and click on the 'Start Race' button 6. Keep playing until you lose a bet 7. Check progress bar beneath the game menu on the right to see if depletes by an amount reflected by bet value	Beneath the game window I am able to see progress towards a winning outcome by a progress bar that is already partially filled due to the starting value of 100 tokens. The bar fills and depletes by the correct amount after multiple race outcomes.		
TC16	As a user, I want to be able to quickly and easily move on to the next race.	Once a race has taken place, a 'Next Race' button will be displayed beneath the game window in place of the 'Start Race' button.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Press Enter or scroll down and click on the 'Start Race' button 6. Click on button	After I have clicked on the 'Start Race' button, the 'Next Race' button is easy to find as it is in the exact same position, replacing the previous button. This works the same if pressing Enter on the keyboard to initiate the races.	PASS	
TC17	As a user, I want to be alerted when I win or lose the game.	When the winning scenario of reaching 1000 tokens has been met, a modal dialog popup will be shown informing of winning the game and a 'Restart Game' button to reset the game environment.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Press Enter or scroll down and click on the 'Start Race' button 6. Keep playing until you have won enough bets to reach 1000 tokens 7. Check modal dialog information is correct 8. Press on the 'Restart Game' button or the close (x) button top right.	Having reached in excess of 1000 tokens, a pop up window is shown informing me that I have won the game. When I have used all my tokens available, a pop up window is shown informing me that I have no tokens remaining, wishing me better luck next time.	PASS	
TC18	As a user, I want to be able to quickly start a new game.	When a losing scenario of reaching 0 tokens has been met, a modal dialog popup will be shown informing user of running out of tokens and a 'Restart Game' button to reset the game environment.	1. Open website in browser: https://polyiomax.github.io/Racing-Turtles-Interactive-Frontend-Development-Milestone-Project/index.html 2. Move cursor to a chosen bet input box 3. Click on chosen input box 4. Type out a bet value of 1 or above but below total user tokens. 5. Press Enter or scroll down and click on the 'Start Race' button 6. Keep playing until you have lost enough bets to reach 0 tokens 7. Check modal dialog information is correct 8. Press on the 'Restart Game' button or the close (x) button top right.	Also present on the winning and losing pop up window is a 'Restart' button which, when clicked, takes me back to the game with reset conditions, as if I have just reloading the page. The same happens if I click the small 'x' at the top right of the pop up window.	PASS	