

Test Case ID	Test case Description	Test case Procedure	Precondition	Expected Output	Actual Result	Status	Test date
Test scenario: Background Information							
TC1	Test the "Drought Background" on the navigation bar.	click on the "Drought Background" on the navigation bar.	on the homepage	four buttons ("What is drought", "Why drought happens", "History of drought" and "Damage") would appear	As expected	success	October 25th
TC2	Test the "What is drought" on the navigation bar	lick on the "Drought Background" and then click on the "What is drought" on the navigation bar	on the homepage	web page shows the introduction of drought	As expected	success	October 25th
TC3	Test the "Why drought happens" on the navigation bar.	click on the "Drought Background" and then click on the "Why drought happens" on the navigation bar.	on the homepage	the web page shows the information about the cause of drought	As expected	success	October 25th
TC4	Test the "History of drought" on the navigation bar.	click on the "Drought Background" and then click on the "History of drought" on the navigation bar.	on the homepage	the web page shows the information about the history of drought in Australia	As expected	success	October 25th
TC5	Test the "Damage" on the navigation bar.	click on the "Drought Background" and then click on the "Damage" on the navigation bar.	on the homepage	the web page shows the information about the damage caused by drought in Australia	As expected	success	October 25th
Test scenario: Visualization							
TC6	Test the visualization on the navigation bar	click on the visualization on the navigation bar	on the homepage Visualization part	three buttons (the "Rainfall", the "Evaporation" and the "Temperature") would appear.	As expected	success	October 25th
TC7	Test the three buttons on the visualization on the navigation bar	click on the visualization on the navigation bar and click on one of the three buttons (the "Rainfall", the "Evaporation" and the "Temperature")	on the homepage Visualization part	the webpage jumps to the relevant functionality page	As expected	success	October 25th
TC8	Test the three cards	click on the picture of the three cards (the "Rainfall Visualization", the "Evaporation Visualization" and the "Temperature Visualization")	on the homepage Visualization part	the webpage jumps to the relevant functionality page.	As expected	success	October 25th
TC9	Test the black arrow	click on the black arrow (left and right) in the visualization	on the Temperature visualization page	the webpage provides me with different data visualizations of the temperature in Australia	As expected	success	October 25th

TC10	Test different visualizations plots	click on the data point in different plots in different visualizations	on the Temperature visualization page	a toolkit appears and it provides me with detailed information about the clicked point	As expected	success	October 25th
TC11	Test black arrow	click on the black arrow (left and right) in the visualization	on the rainfall visualization page	the webpage provides me with different data visualizations of the rainfall information in Australia	As expected	success	October 25th
TC12	Test different visualizations plots	click on the data point in different plots in different visualizations	on the rainfall visualization page	a toolkit appears and it provides me with detailed information about the clicked point.	As expected	success	October 25th
TC13	Test black arrow	click on the black arrow (left and right) in the visualization	on the water evaporation visualization page	the webpage provides me with different data visualizations about the water evaporation information in Australia	As expected	success	October 25th
TC14	Test different visualizations plots	click on the data point in different plots in different visualizations	on the water evaporation visualization page	a toolkit appears and it provides me with detailed information about the clicked point.	As expected	success	October 25th
TC15	Test black arrow	click on the black arrow in the slide show	on the "Water" page	the slide show shows me different content about saving water	As expected	success	October 25th
TC16	Test video function	click on youtube video	at the "Do you know" slide of the "Water" page	the video would start and provide information about water on Earth.	As expected	success	October 25th
TC17	Test "Water consumption visualization" slide function	follow the instruction provided by the visualization	at the "Water consumption visualization" slide of the "Water" page.	the visualization provides information about water consumption in Australia in a certain year and a certain state	As expected	success	October 25th
TC18	Test map	I hover on the bars in bar charts and circles in the map	at the "Water consumption visualization" slide of the "Water" page	tooltips appear and show detailed information about the hovered bar or circle	As expected	success	October 25th
TC19	Test check result button	I have filled in the State, the Water consumption (L per month) and the Family size and click on the check result button	at the "Test your water consumption" slide of the "Water" page	1.The page would show the result: the "Need to improve!" text, the actual family monthly water consumption and the suggested family monthly water consumption; 2.The page would show the result: the "Well done!" text, the	As expected	success	October 25th

				actual family monthly water consumption and the suggested family monthly water consumption			
TC20	Test "Try Again" Button	I have finished the water consumption test and click on the "Try Again" Button	at the "Test your water consumption" slide of the "Water" page	the page would ask me to fill in the State, the Water consumption (L per month) and the Family size again and test my family water consumption again.	As expected	success	October 25th
TC21	Test "Show tips" Button	I have finished the water consumption test and click on the "Show tips" Button	at the "Test your water consumption" slide of the "Water" page	a tip about how to save household water consumption will appear below the button.	As expected	success	October 25th
Test scenario: Drought solution							
TC22	Test "How to prevent drought" on the navigation bar	click on the "How to prevent drought" on the navigation bar	on the "How to prevent drought" page	two buttons (the "countermeasure" and the "water") would appear	As expected	success	October 25th
TC23	Test two buttons on the "How to prevent drought" on the navigation bar	I click on the "How to prevent drought" on the navigation bar and click on one of the two buttons (the "countermeasure" and the "water")	on the "How to prevent drought" page	the web page jumps to the relevant functionality page	As expected	success	October 25th
TC24	Test two cards	I click on the picture of the two cards (the "countermeasure" and the "water")	on the "How to prevent drought" page	the web page jumps to the relevant functionality page			
TC25	Test three buttons	I click on one of the three buttons (the "Do by ourselves", the "Do with parents" and the "Useful tools")	on the "countermeasure" page	the webpage automatically scrolls down to the location of the relevant content which could be used to fight against drought.	As expected	success	October 25th
TC26	Test black arrow	I click on the black arrow in the slide show	at the "Useful tools" functionality of the "countermeasure" page	the slide show shows me different tools I can use to fight against drought.	As expected	success	October 25th
Test scenario: Quizzes							
TC27	Test "Quizzes" on the navigation bar	I click on the "Quizzes" on the navigation bar	on the homepage	Jump to the Quizzes page	As expected	success	October 25th

TC28	Test the picture of "Quizzes"	I click on the picture of "Quizzes" on homepage "Quizzes" part	on the homepage "Quizzes" part	Jump to the Quizzes page	As expected	success	October 25th
TC29	Test the "START TEST" button	I enter an empty username and click the "START TEST" button	on the "Quizzes" page	the webpage shows the information about a qualified username	As expected	success	October 25th
TC30	Test the "START TEST" button	I enter a username with dirty words and click the "START TEST" button.	on the "Quizzes" page	the webpage shows the information about a username should not have dirty words	As expected	success	October 25th
TC31	Test the "START TEST" button	I enter a username with special characters and click the "START TEST" button	on the "Quizzes" page	the webpage shows the information about a username should not have special characters	As expected	success	October 25th
TC32	Test react of quiz	I click one selection of quizzes	on the "Quizzes" page and start real quizzes.	the webpage shows the information about that quiz	As expected	success	October 25th
TC33	Test check function in the last page	I am on the last page of quizzes	on the "Quizzes" page and start real quizzes	the webpage shows the information about if I complete all the quizzes	As expected	success	October 25th
TC34	Test the "SUBMIT AND FINISH" button	I am on the last page of quizzes and click the "SUBMIT AND FINISH" button	on the "Quizzes" page and start real quizzes	the webpage will jump to the result page.	As expected	success	October 25th
TC35	Test the "TRY AGAIN" button	I click the "TRY AGAIN" button	on the result of the "Quizzes" page	the webpage will jump to the real quizzes page and load the same quizzes	As expected	success	October 25th
TC36	Test the "UPLOAD MY SCORE" button	I click the "UPLOAD MY SCORE" button	on the result of the "Quizzes" page	the button will become grey until the score has uploaded successfully, then it will become the "GO BACK" button	As expected	success	October 25th
TC37	Test the "UPLOAD MY SCORE" button	I click the "GO BACK" button which originally is "UPLOAD MY SCORE" button	on the result of the "Quizzes" page	the webpage will jump to the first page of the "Quizzes" page and the pie chart will change a little.	As expected	success	October 25th