Manual Testing

How to test your website before submitting for Assessment

What is manual testing?

- Manual testing is the process your project will be brought through during the Assessment phase. The Assessor will thoroughly test each feature, each user story and each purpose of your project.

- To prepare for the Assessment, it is necessary that student conducts their own manual testing and the outcome of manual testing is a thorough write up on README.

code institute

What do we test?

Responsiveness

Browser Compatibility

Bugs

Recommended Tools:

- Chrome Developer Tools - check throughout the development

Include screenshots in README

Lighthouse

Code Validation

User Stories

Features

code institute

Responsiveness

How we test it and how to Document it?

Example approach

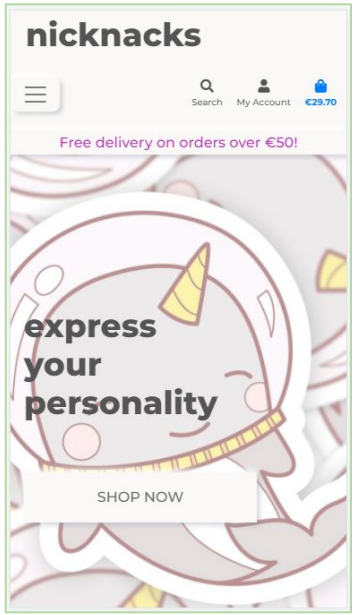
Step 1	Open project in DevTools
Step 2	Select few Devices and test the site
Step 3	Screenshot the outcomes
Step 4	Include screenshots in README

code institute

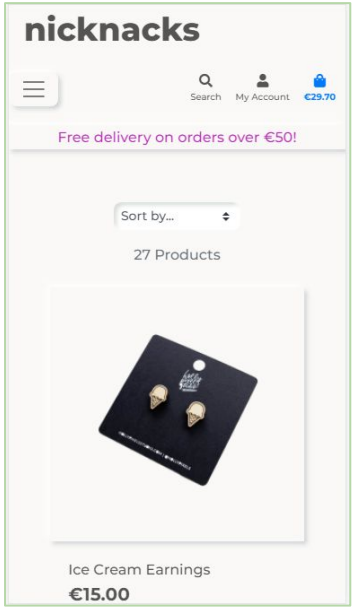
Responsiveness

Examples of iPhone 5 screenshots in README

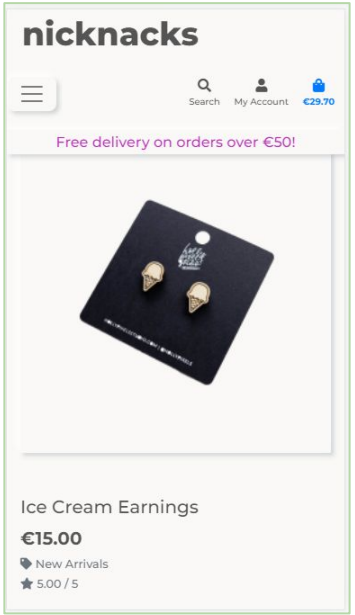
Home Page



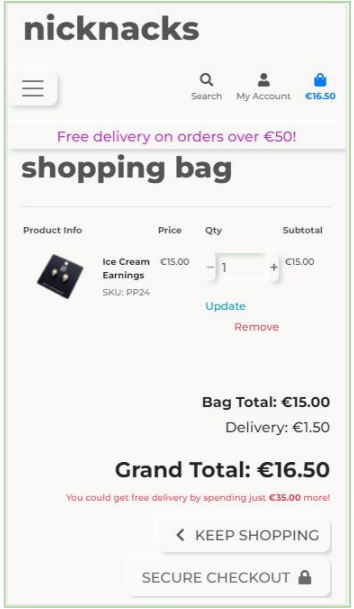
All Products



Product Detail



Checkout

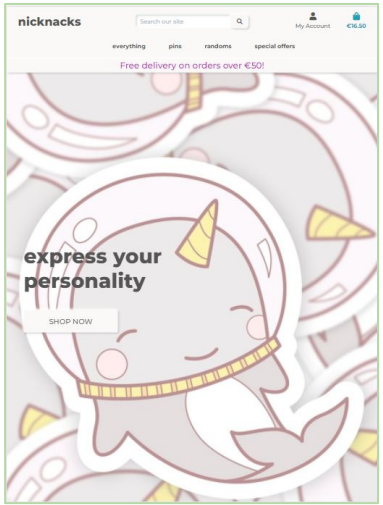


code institute

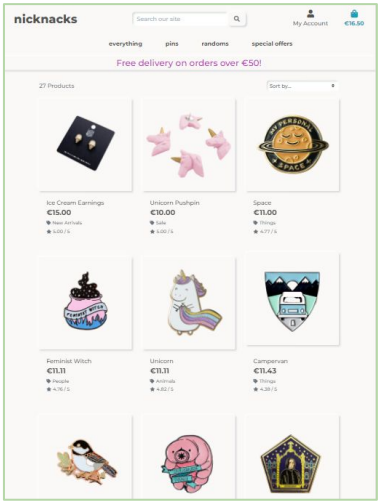
Responsiveness

Examples of iPad Pro screenshots

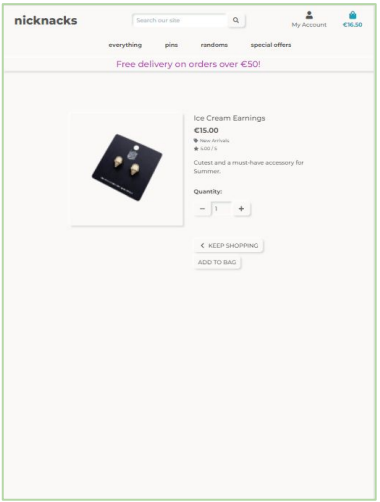
Home Page



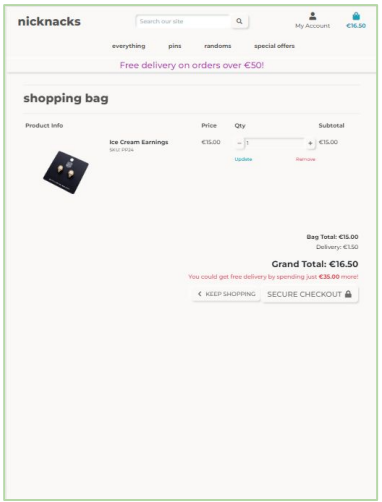
All Products



Product Detail



Checkout



code institute

Responsiveness | Suggestion of template for write up

Responsiveness									NOTES
	Galaxy S9+	Galaxy S5	iPhone 6/7/8	iPhone X	iPad	iPad Pro	Desktop 1024px	Desktop >1200px	my phone: Galaxy S9+ all others tested virtually online
Site is responsive **>= 700px**	n/a	n/a	n/a	n/a	Good	Good	Good	Good	
Site is responsive **< 699px**	Good	Good	Good	Good	n/a	n/a	n/a	n/a	Game becomes too small ~ **< 300px**.
Links / URLs work	Good	Good	Good	Good	Good	Good	Good	Good	
Images work	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Simon Game contains no images.
Renders as expected	Good	Good	Good	Good	Good	Good	Good	Good	

code institute

What do we test?

Responsiveness

Browser Compatibility

Bugs

Recommended Tools:

- Choose 2-3 Browsers - check throughout the development

- Safari may or may not be selected, decide depending on your access to iOS

Include screenshots in README

Lighthouse

Code Validation

User Stories

Features

code institute

How we test and how to Document it?

Example approach

Step 1	Open the site in tested browser
Step 2	Follow prepared test case
Step 3	Conclude findings in the README

Browser Compatibility

Suggestion of template for write up

Browser Compatibility								NOTES
	Chrome	Edge	Firefox	Safari	Opera	IE		
Intented appearance?	Good	Good	Good	Fair	Good	Poor		Tested Internet Explorer even though it's outdated. As expected, it behaves poorly. Safari is a bit mediocre as well, but still gets the job done as intended.
Intended responsiveness?	Good	Good	Good	Fair	Good	Poor		

code institute

What do we test?

Responsiveness

Browser Compatibility

Bugs

Lighthouse

Code Validation

User Stories

Features

Suggested Approach:

- ❖ Record all bugs in README
- ❖ What was the problem?
- ❖ What was the solution?
  - If you could not resolve it, include it in README

Include screenshots of bugs in README

code institute

What do we test?

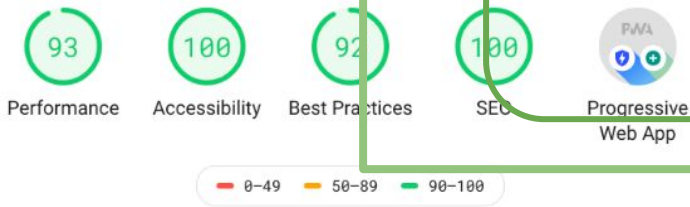
Responsiveness

Browser Compatibility

Bugs

Recommended Tools and Tips:

- Google Chrome for Desktop - access via DevTools
- Disable extensions if they interfere with testing outcomes
- *Include screenshots of outcomes in README*



Lighthouse

Code Validation

User Stories

Features

code institute

What do we test?

Responsiveness

Browser Compatibility

Bugs

Recommended Tools:

- HTML https://validator.w3.org/
- CSS https://jigsaw.w3.org/css-validator/
- JavaScript https://jshint.com/
- Python http://pep8online.com/

Include screenshots of outcomes in README

Lighthouse

Code Validation

User Stories

Features

code institute

Question

How would you go about Validating the templates on your project?

Copy the code from the validated template

HTML/CSS: select validate by direct input
Paste the code

Click Check

Eliminate errors - validate code after each change

Eliminate warnings - validate code after each change

Every template must be put through validation, if you have multiple html, css, js, py files, code from each of those files must be validated and errors eliminated.

Leaving errors in may cause Fail
Leaving warnings must not break functionality and must be addressed in the README

code institute

Code Validation

Suggestion of template for write up

Validations		NOTES
HTML	Checked on **https://validator.w3.org**	Document checking completed. No errors or warnings to show.
CSS	Checked on **https://jigsaw.w3.org/css-validator**	W3C CSS validator cannot parse root variables. *:root* + *var(--foo)*
JavaScript	Checked on **https://jshint.com**	*KeyboardEvent* is not defined. This is used for keyboard interaction.

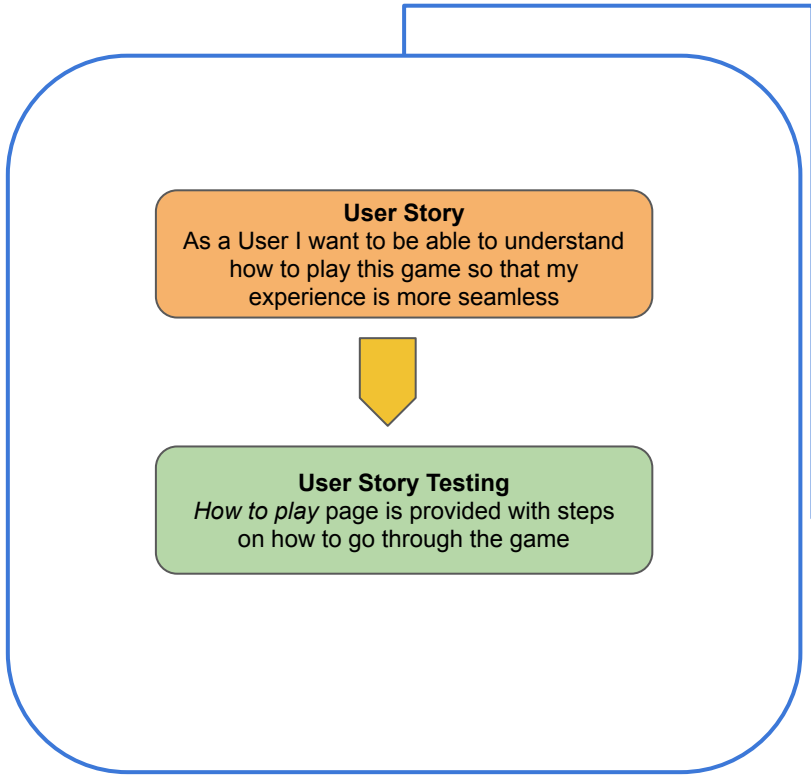
code institute

What do we test?

Responsiveness

Browser Compatibility

Bugs



Lighthouse

Code Validation

User Stories

Features

code institute

What do we test?

Responsiveness

Browser Compatibility

Bugs

In the README it could look like this:

User Story	Testing
As a shopper I want to be able to view the list of products to purchase some	• The list of products is available as per below • Home page - click on Shop Now buttonEverything - choose the desired filtering or choose 'Everything'
As a shopper I want to be able to view individual product details to identify the price and description	• While at All Products click on a sample Product • The Price and Description is clearly visible
As a shopper I want to be able to quickly identify special offers to take advantage of special savings on products I'd like to buy	• One of the CTA buttons on navbar is marked as Special Offers and is visible from every page of the website

Lighthouse

Code Validation

User Stories

Features

code institute

What do we test?

Responsiveness

Browser Compatibility

Bugs

Manually test all features in the entire site/app

Feature	Action	Effect
Logo (upper left corner)	Hover over	• The address on hover is showing as home page
Search bar	Entered "Space",	• one product is listed under this name - correct • The summary shows message "1 Products found for 'space'"
All button, bringing back to all products	Click on All button	• Linked correctly
Everything	Click on By Price	• Items appear sorted ascending, from low price to high
	Click on By Rating	• Items appear sorted descending, from high rating to low
	Click on By Category	• Categories of Items become sorted alphabetically
	Click on Everything	• All items are displayed, sorted by SKU

Feature **Test** **Outcome**

Lighthouse

Code Validation

User Stories

Features

code institute

This was a presentation on Manual Testing

How to test your website before submitting for Assessment