# Demonstrating How A Problem Was Solved

## Problem 1

Wanted to display questions one at a time and navigate through them, forwards and backwards with pagination buttons.

### Solution

### Result

Quiz opens at question one and can easily be navigated with pagination buttons

## Problem 2

Wanted to reset the quiz so that it can be resat, without refreshing the browser and having to login in again.

### Solution

### Result

Quiz can be reset to the default starting point to be resat, without having to refresh the page and sign in again.

# Demonstrate Usability and Mobile Responsive Testing

## Browser Testing

Tested on Safari and Chrome with no noted issues, corrected a display issue with the progress bar in Firefox.

## Mobile Responsive – max width 768px

* Simulated testing on various devices via Chrome inspector
* 90% width on content container so it reduces with screen size and creates space around the content
* Progress circles replaced with progress bar for cleaner aesthetic
* Next button floats right for better balance
* Get Score button floats left and drops under pagination buttons to better fit smaller screens
* Center page heading for nicer aesthetic

## Signup Validation

Name Field:

* Check that the field isn't empty
* Check that there is at least one space
* Check that first and last names are at least 2 characters long

Email Field:

* Check that the field isn't empty
* Check there is at least but only 1 x @ symbol
* Check there are at least 2 characters between the @ and the dot
* Check that there are at least two characters after the dot
* Check the email address is at least 9 characters long

## Quiz Validation

* Check that each question has an answer selected
* Save the radio button value of each checked answer to a variable to be outputted on completion of the quiz as the user’s score
* Save any unanswered question numbers to a variable to be outputted to the small screen error message
* If questions are unanswered, output unanswered error message
* Once all questions are answered and 'Get Score' button is clicked
  + Hide the quiz form
  + Show congratulations message with user’s first name and score