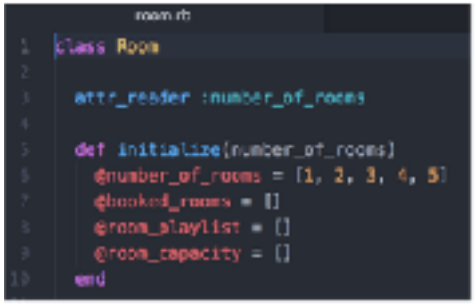
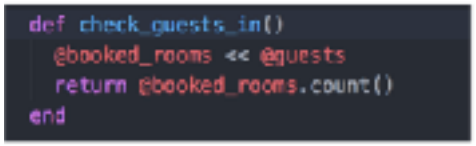
PDA: Software Development
Level 8
Student Evidence Checklist

Full name	**Emma Roberts**
Cohort	**G4**

The evidence required can be taken from your assignments, homework that you have completed on your own or by creating a specific example for the PDA.

	Unit	Ref.	Evidence	Done

Week 2	I & T	I.T 5	Demonstrate the use of an array in a program. Take screenshots of: *An array in a program *A function that uses the array *The result of the function running    	

	I & T	I.T 6	Demonstrate the use of a hash in a program. Take screenshots of: *A hash in a program *A function that uses the hash *The result of the function running  	
	I & T		Static and Dynamic testing task A https://github.com/emrob/PDA	

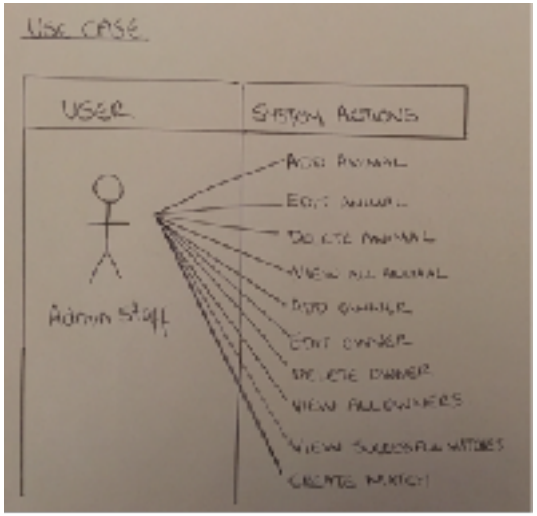
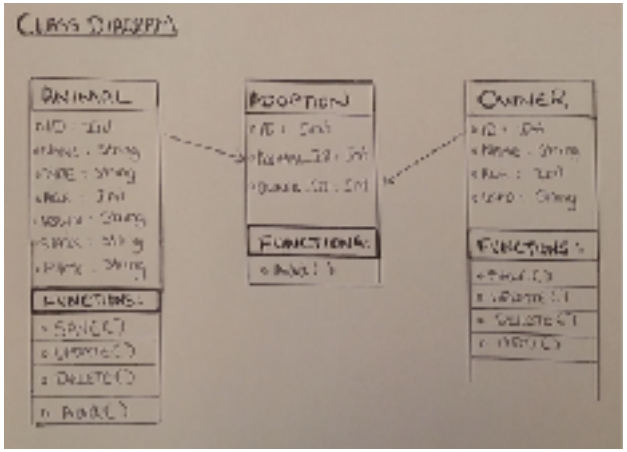
	Unit	Ref.	Evidence	Done

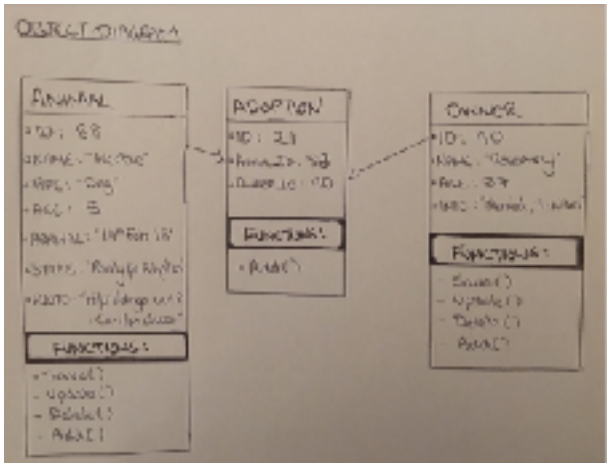
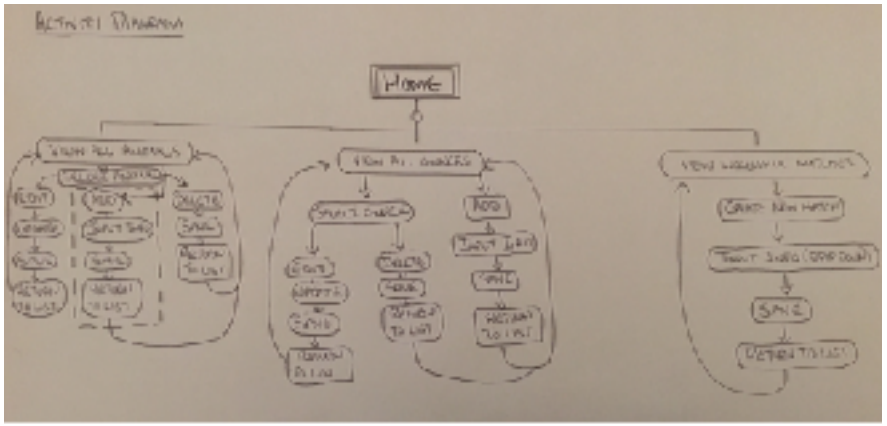
Week 3	I & T	I.T 3	Demonstrate searching data in a program. Take screenshots of: *Function that searches data *The result of the function running   	

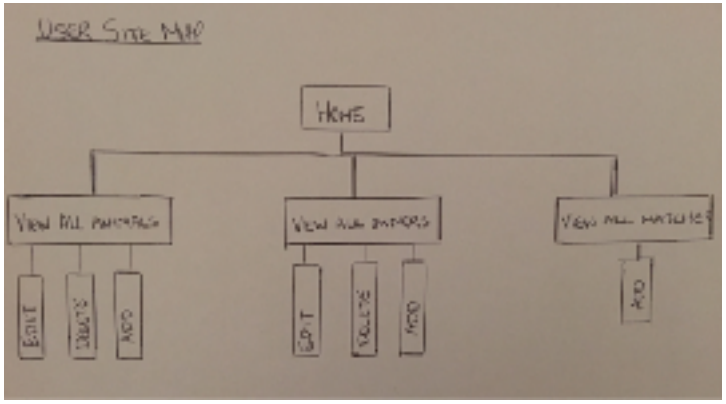
	I & T	I.T 4	Demonstrate sorting data in a program. Take screenshots of: *Function that sorts data *The result of the function running 	

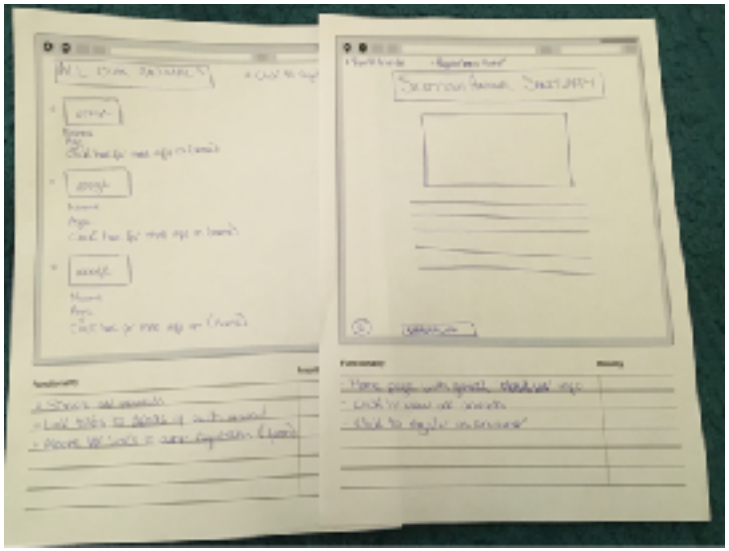
```
  removeAndClone: function (arr, valueToRemove) {
    var filtered_array = [];
    for (var num of arr) {
    if (num === valueToRemove) {
    var index = arr.indexOf(num);
    filtered_array.push(arr.splice(index, 1));
    }
  }
  return arr;

  },
```

	Unit	Ref.	Evidence	Done

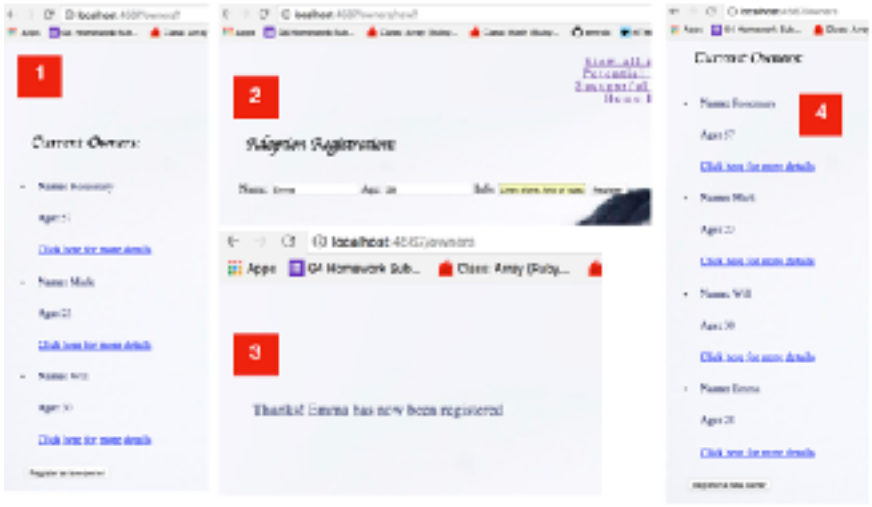
A & D	A.D 1	A Use Case Diagram 	
A & D	A.D 2	A Class diagram. 	

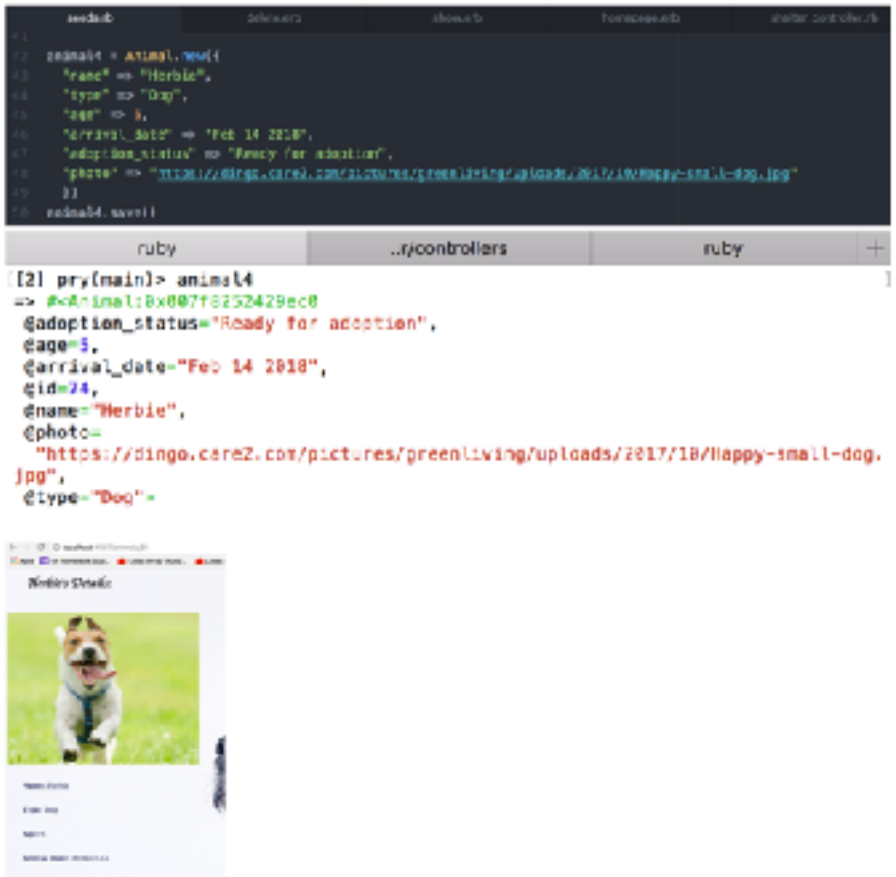
A & D	A.D 3	An Object diagram. 	
A & D	A.D 4	An Activity Diagram 	

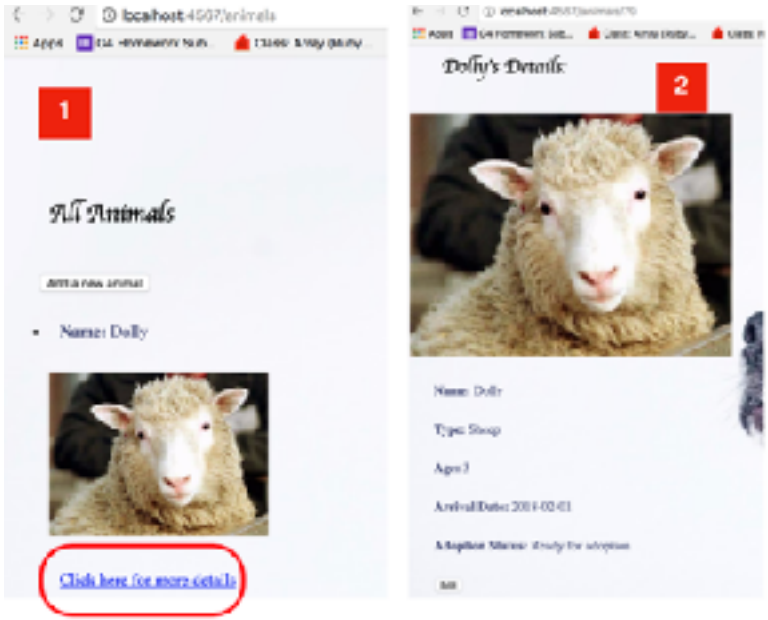
A & D	A.D 6	Produce an Implementations Constraints plan detailing the following factors: *Hardware and software platforms *Performance requirements *Persistent storage and transactions *Usability *Budgets *Time	
P	P 5	Create a user sitemap. 	

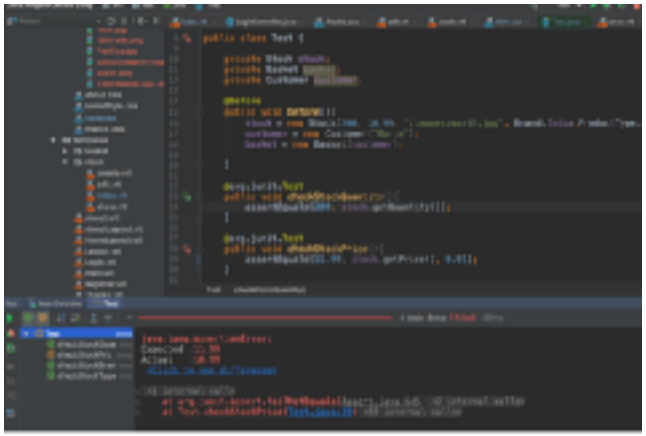
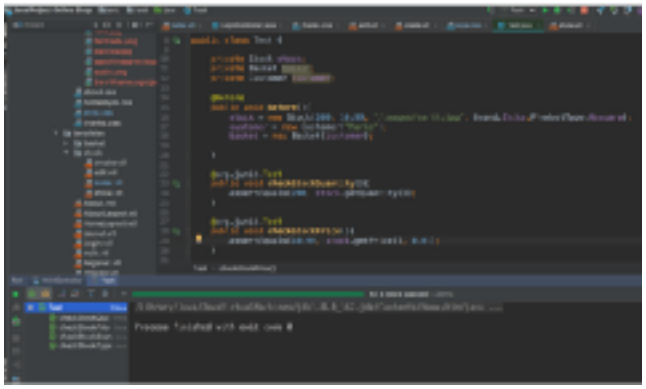
Week 5	P	P 6	Produce two wireframe designs. 	

	P	P 10	Take a screenshot of an example of pseudocode for a function.
			 
			`findDuplicates: function (arr) {`
			`  let result = [];`
			`  arr.forEach(function(element, index) {`
			`  // Find if there is a duplicate or not`
			`  if (arr.indexOf(element, index + 1) > -1) {`
			`  // Find if the element is already in the result array or not`
			`  if (result.indexOf(element) === -1) {`
			`  result.push(element);`
			`  }`
			`  }`
			`  });`
			`  return result;`
			`},`	

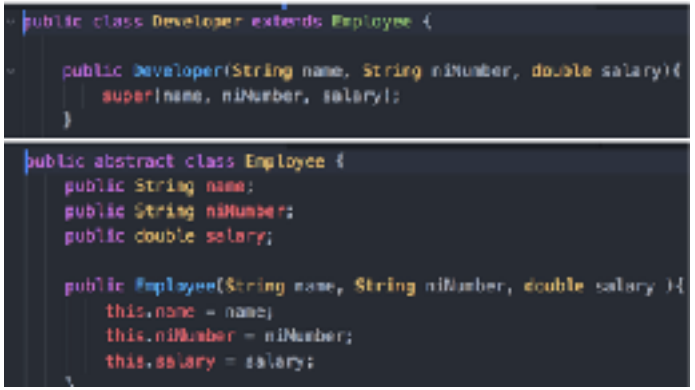
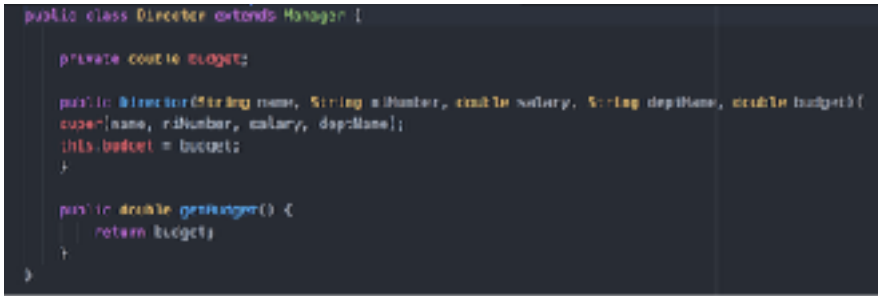
P	P 13	Show user input being processed according to design requirements. Take a screenshot of: * The user inputting something into your program * The user input being saved or used in some way  		

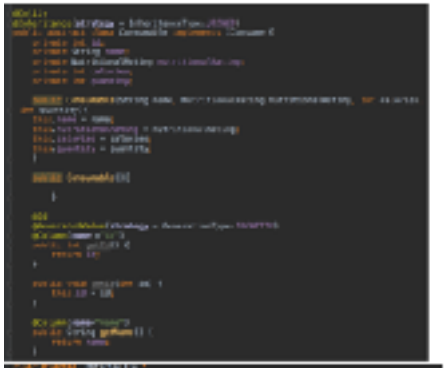
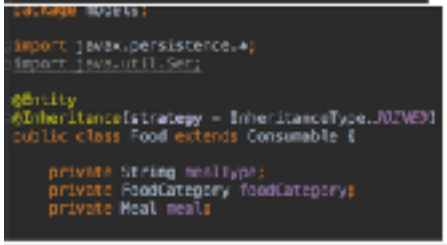
P	P 14	Show an interaction with data persistence. Take a screenshot of: * Data being inputted into your program * Confirmation of the data being saved 	

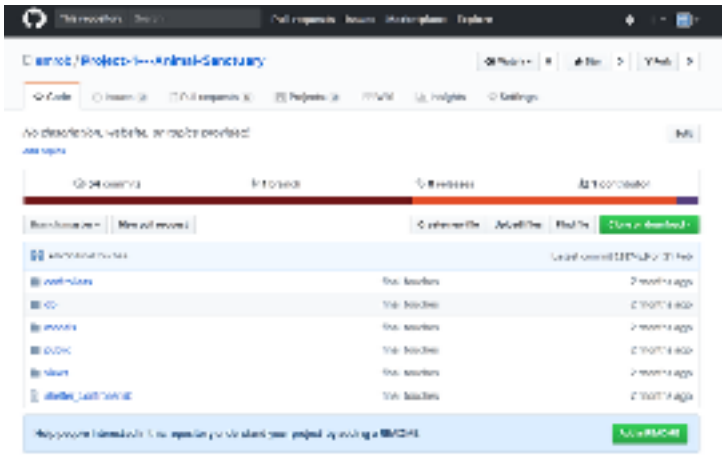
P	P 15	Show the correct output of results and feedback to user. Take a screenshot of: * The user requesting information or an action to be performed * The user request being processed correctly and demonstrated in the program 	

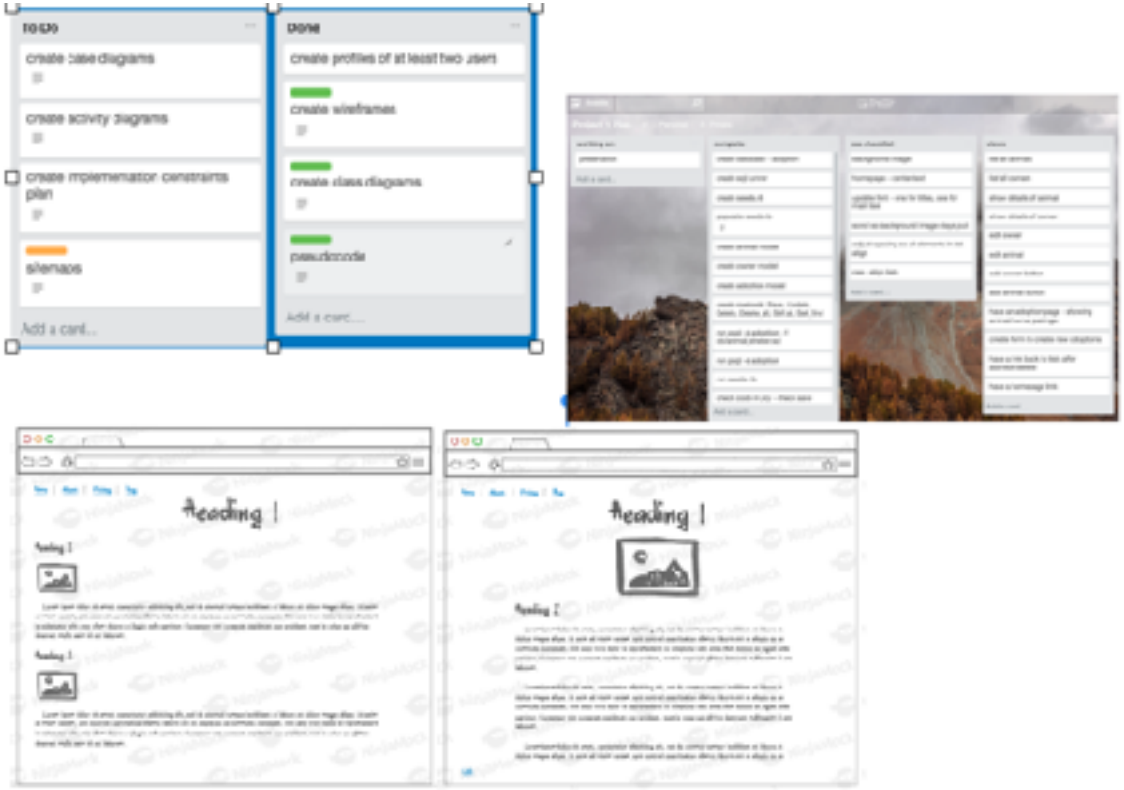
	P	P 18	Demonstrate testing in your program. Take screenshots of: * Example of test code * The test code failing to pass * Example of the test code once errors have been corrected *The test code passing  	

	Unit	Ref.	Evidence	Done

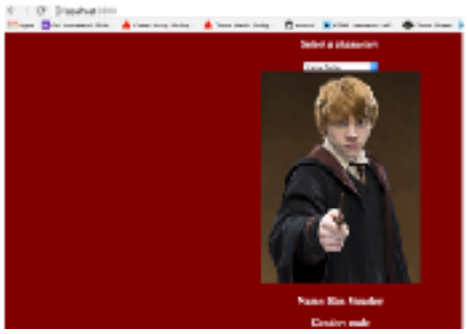
I & T	I.T 7	Demonstrate the use of Polymorphism in a program.  	
A & D	A.D 5	An Inheritance Diagram	
I & T	I.T 1	Take a screenshot of an example of encapsulation in a program. 	

Week 7	I & T	I.T 2	Take a screenshot of the use of Inheritance in a program. Take screenshots of: *A Class *A Class that inherits from the previous class *An Object in the inherited class *A Method that uses the information inherited from another class   	

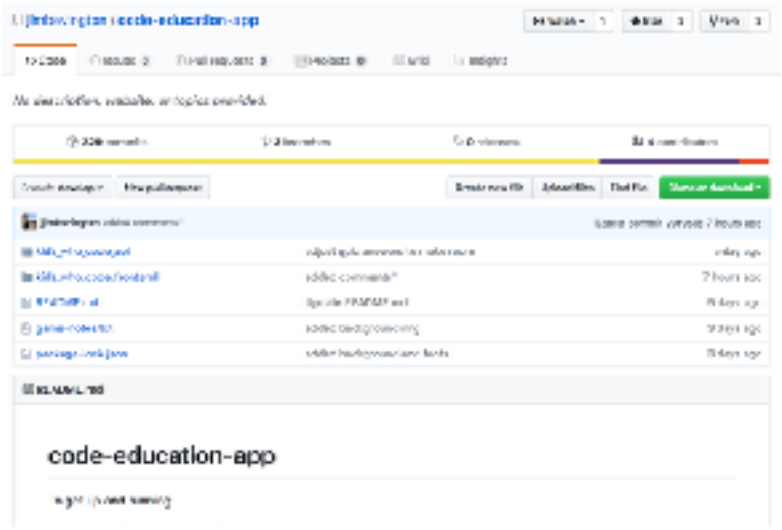
P	P 11	Take a screenshot of one of your projects where you have worked alone and attach the Github link. https://github.com/emrob/Project-1---Animal-Sanctuary 	

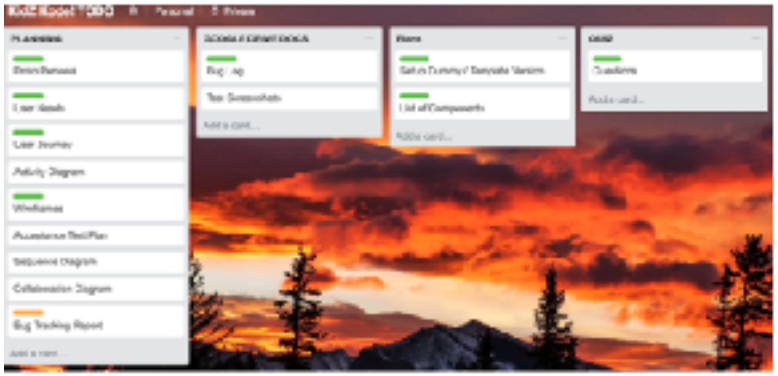
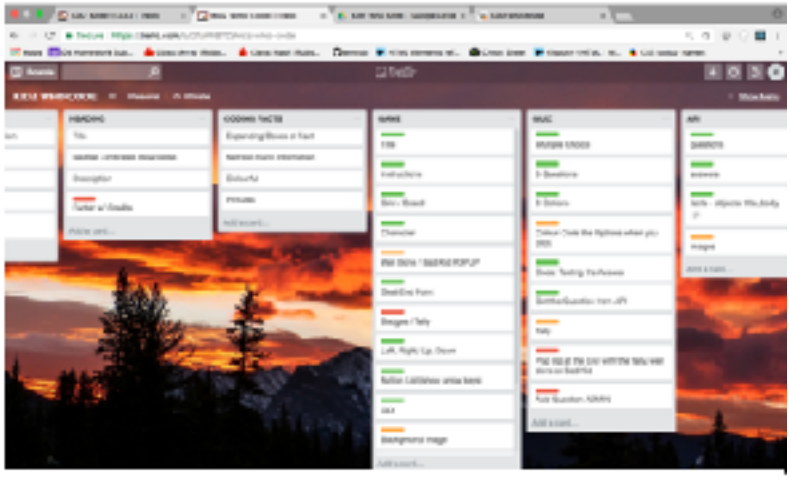
	P	P 12	Take screenshots or photos of your planning and the different stages of development to show changes. 	

	Unit	Ref.	Evidence	Done
	I & T		Unit, integration and acceptance testing task B https://github.com/emrob/JavaScript-Testing	

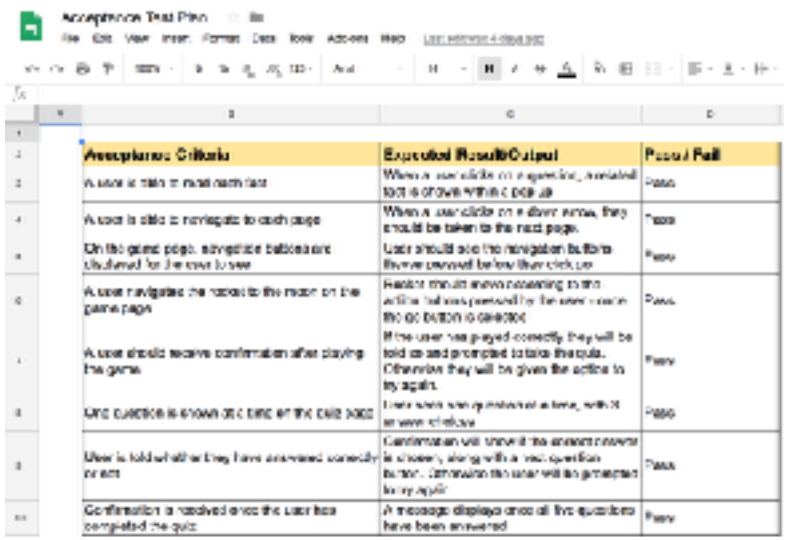
Week 11	P	P 16	Show an API being used within your program. Take a screenshot of: * The code that uses or implements the API * The API being used by the program whilst running  	

	Unit	Ref.	Evidence	Done

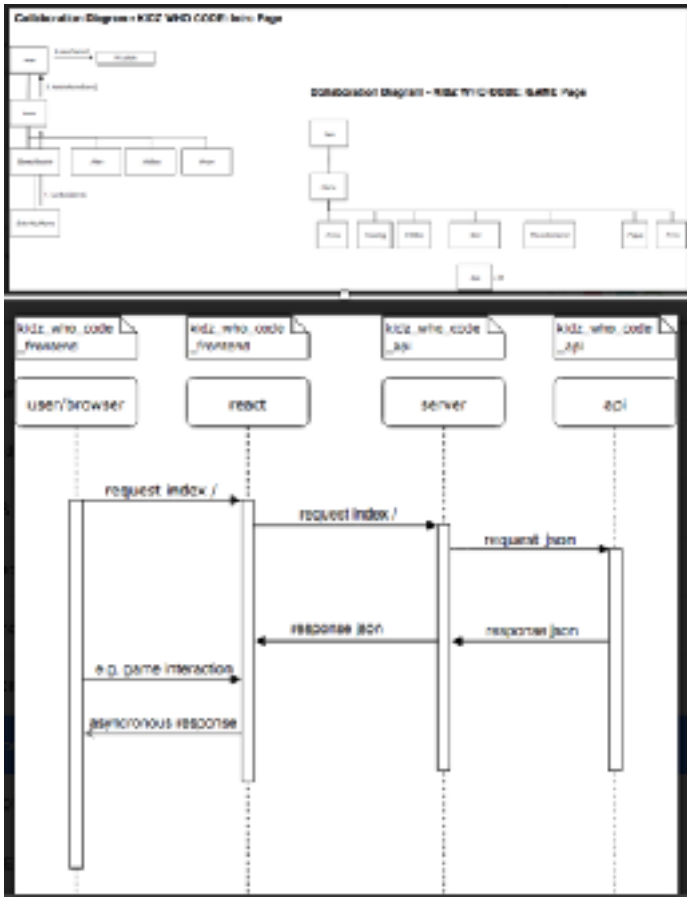
P	P 1	Take a screenshot of the contributor's page on Github from your group project to show the team you worked with. 	
P	P 2	Take a screenshot of the project brief from your group project. 	

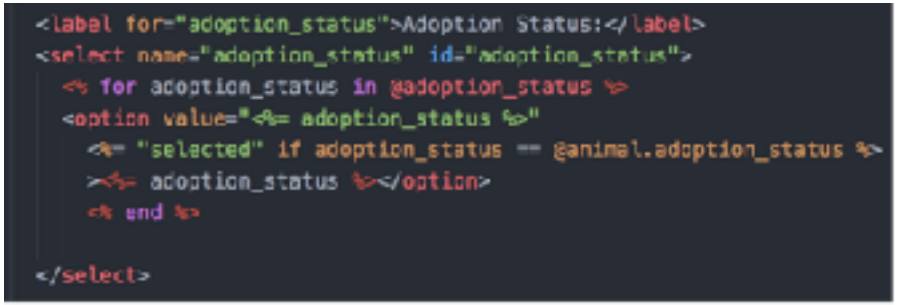
P	P 3	Provide a screenshot of the planning you completed during your group project, e.g. Trello MOSCOW board.  	

Week	P	P 4	Write an acceptance criteria and test plan.	



Acceptance Criteria	Expected Result/Output	Pass / Fail
A user is able to read each fact	When a user clicks on a question, a related fact is shown within a pop up	Pass
A user is able to navigate to each page	When a user clicks on a down arrow, they should be taken to the next page.	Pass
On the game page, navigation buttons are displayed for the user to see	User should see the navigation buttons they've pressed below then click go	Pass
A user navigates the robot to the moon on the game page	Robot should move according to the action buttons pressed by the user once the go button is selected	Pass
A user should receive confirmation after playing the game	If the user has played correctly they will be told so and prompted to take the quiz. Otherwise they will be given the option to try again.	Pass
One question is shown at a time on the quiz page	User sees one question at a time, with 3 answer choices	Pass
User is told whether they have answered correctly or not	Confirmation will show if the correct answer is chosen, along with a next question button. Otherwise the user will be prompted to try again	Pass
Confirmation is received once the user has completed the quiz	A message displays once all five questions have been answered	Pass

13	P	P 7	Produce two system interaction diagrams (sequence and/or collaboration diagrams).  	
	P	P 8	Produce two object diagrams.	

P	P 9	Select two algorithms you have written (NOT the group project). Take a screenshot of each and write a short statement on why you have chosen to use those algorithms.   I have chosen the above because they transformed my app from just displaying data, to showing only relevant data. So if an animal was adopted or needing to be trained, it would no longer show on the drop down list - the drop down list would only show those ready for adoption	

```
<label for="adoption_status">Adoption Status:</label>
<select name="adoption_status" id="adoption_status">
  <% for adoption_status in @adoption_status %>
  <option value="<%= adoption_status %>"
    <%= "selected" if adoption_status == @animal.adoption_status %>
    ><%= adoption_status %></option>
    <% end %>

</select>
```

```
<label>
  Select an animal:
  <select name="animal_id">
    <% for animal in @animals %>
    <% if animal.adoption_status == "Ready for adoption" %>
    <option value="<%= animal.id %>"><%= animal.name %>
    </option>
    <% end %>
    <% end %>
  </select>
</label>
```

	P	P 17	Produce a bug tracking report