Introduction

This is the assessment for the JavaScript week of your training with QA. This assessment has been designed in relation to the SFIA framework, with the aim of assessing your ability to work towards SFIA level 2.

This document details the content of the assessment and the deliverables required on its completion. It also details the scheme in which we will be marking this assessment; the marking scheme has been created in tandem with SFIA level 2 skills.

Assessment information

During this assessment, you are tasked to design a frontend for a ‘Pet Clinic’; integrating with an existing API. This assessment will use your knowledge of JavaScript, HTML, CSS, and Bootstrap.

The Pet Clinic system is designed to store and manage owners, their pets, visits, and veterinarians.

Pre-requisite steps

1. Download the Pet Clinic API from GitHub: <https://github.com/spring-petclinic/spring-petclinic-rest>
2. Follow the instructions provided on the GitHub page to run the API.
3. Once running you can access the API documentation here: http://localhost:9966/petclinic/swagger-ui.html

Assessment Tasks

As mentioned above, you are to create a frontend that integrates with the Pet Clinic API. You will be provided with a list of User Stories that you must organise and provide functionality for.

Deliverables

The deliverable for this assessment is collated evidence of the questions above being met. Ensure to create evidence for this by:

* Creating a github repository that contains the code and any documentation you have produced.
* Assign a Product Owner to present an ongoing solution to the client midway through the assessment.
* A brief presentation of the solution you have been able to create as a group at the end of the assessment.

Marking scheme

Below are the skills that we will be evaluating for this JavaScript assessment. These skills are as described in the SFIA 7 framework; please see below if you wish to have more information:

<https://www.sfia-online.org/en/framework>

The skills this assessment will discussed are the following:

* Programming/software development

**Programming/software development**

Designs, codes, verifies, tests, documents, amends and refactors moderately complex programs/scripts.

Programming/software development – marking scheme

Below is the list of criteria that will be assessed from your deliverable:

|  |  |  |
| --- | --- | --- |
| **SFIA skill** | **Rating** | **Details** |
| **Programming/software development -** Designs, codes, verifies, tests, documents, amends and refactors moderately complex programs/scripts. | 1 | Interface is non-existent or missing major features. |
| 2 | Interface is functional but missing features. Parts of the interface follow a common theme. Best practices were partially followed. |
| 3 | Interface includes required functionality with some bugs. Interface design follows a common theme throughout. Best practices were for the most part followed. |
| 4 | Interface includes all required functionality with limited bugs. The interface follows a common design language. The user journey is consistent and logical. |
| 5 | Interface is feature complete, robust and flexible. Implements functionality outside of the brief to a good level. |

Definition of done

* Adhered to best practice
* Semi-colons are in code rather than relying on ASI
* Method names and variables have clear names and explain what they are doing
* Refactored to be more efficient, readable, maintainable or scalable
* Correct use of CSS and Bootstrap
* No inline styling
* External scripts and CSS files attached to HTML
* Home page called index.html