

Test report

Project name: The oracle

Name: Peicheng Guo, Zhiheng Gu

目录

1 Introduction	4
2. Quality inspection	4
1.1 Performance evaluation	4
1.2 UI design evaluation	4
3. Website testing	5
3.1 Functional testing	5
3.2 Usability testing	5
3.3 Cross-browser testing	5
3.4 Integration testing	6
4. Testing tools and techniques	6
5. Test records and results	6
5.1 Database test	6
REQUIREMENTS	6
Installing npm	6
RUNNING THE PROJECT	6
5.2 Whiskey page display test	7
Requirements	7
Installing npm	7
Running the project	8
5.3 Navigation bar test	8
Requirements	8
Installing npm	8
Running the project	8
5.4 Filter test 1	9
Requirements	10
Installing npm	10
Running the project	11
5.5 Filter test 2	11
Requirements	11
Installing npm	11
Running the project	11
5.6 Filter test 3	12
Requirements	12
Installing npm	12
Running the project	12
5.7Page switch test	13
Requirements	13
Installing npm	13
Running the project	13
5.8 Chemical structure diagram test	13
Requirements	14
Installing npm	14
Running the project	14
5.9 Radar chart display test 1	14
Requirements	15
Installing npm	15
Running the project	15
5.10 Radar chart display test 2	16
Requirements	16
Installing npm	16
Running the project	17
5.11 Browser zooming test	17
Requirements	18
Installing npm	18
Running the project	18
5.12 UI design test	19
Requirements	19
Installing npm	19
Running the project	20

5.13 Database api test	20
Requirements	21
Installing npm	21
Running the project	21
5.14 Whiskey page open test	21
Requirements	21
Installing npm	21
Running the project	22
5.15 Page response speed test	22
Requirements	23
Installing npm	23
Running the project	23
5.16 UI design test result	23
Requirements	23
Installing npm	23
Running the project	24
5.17 Integration Testing	24
Requirements	25
Installing npm	25
Running the project	25
6. Test result	25

1 Introduction

In the iterative development process, a crucial step is to ensure that testers can participate in the early and middle stages of development to help implement comprehensive monitoring and quality assurance of the project. During the website development phase, we mainly use two strategies: unit testing and integration testing. Unit testing focuses on verifying the functionality of individual components, such as the functionality of buttons and the accuracy of API interfaces; while integration testing ensures that all components can work together after integration, while checking the clarity and accuracy of the UI design. This approach ensures we get real-time feedback at every stage of development so we can continually optimize and adjust.



2. Quality inspection

1.1 Performance evaluation

Performance evaluation is a key step to ensure that the application or website we develop can run stably and efficiently under various conditions. At this stage, we used a variety of tools and methods to test the system's response speed, processing capabilities, and stability. See test result 5.15

1.2 UI design evaluation

UI design evaluation is an important step for us to ensure that the application interface is both beautiful and functional. And the designer used Figma to create a series of prototypes, and continuously adjusted and improved interface elements through internal review meetings and user testing. Next, we arranged some user testing sessions, covering usability testing and user flow testing. In these tests, we evaluate the effectiveness of different design options by observing how users interact with the interface.

See test result 5.16

3. Website testing

3.1 Functional testing

Functional testing is concerned with the ability of each functional module of the software to correctly perform its intended operation, ensuring that each functional module can correctly interact with other modules and fulfill its intended function. The following are the contents of functional testing:

1. Functional Verification: Checks that each function of the software works as described in the software requirement document.
2. User Interface: Verify that the elements of the user interface are displayed and operated according to the design requirements. This includes whether buttons can be clicked and filters work correctly.
3. Business Process: Ensure that the software can correctly handle the actual business process, simulate the user's operation path for testing.

See test record 5.1, 5.3, 5.4, 5.5, 5.6, 5.7, 5.9, 5.10, 5.14

3.2 Usability testing

Usability testing (usability testing) is used to evaluate the ease of use and user experience of a software product or system. Its purpose is to ensure that end users are able to use the software efficiently and have a good experience while doing so.

3.3 Cross-browser testing

Cross-browser testing is done to ensure that a web application or website displays and functions properly on different browsers and devices. It aims to ensure that users get a consistent user experience and functionality regardless of the browser they are using.

This includes browser compatibility:

Different Browsers: testing mainstream browsers such as Google Chrome, Microsoft Edge, Safari.

Operating System Compatibility:

Desktop operating systems: e.g. Windows, macOS, Linux, etc.

Mobile OS: e.g. iOS, Android, etc.

Device compatibility:

Desktop devices: e.g. desktop computers, laptops.

Mobile devices: e.g. smartphones, tablets.

Screen Resolution: Test different screen resolutions and screen sizes to ensure responsive design.

Limited tests are done. See test result 5.11

3.4 Integration testing

Integration Testing is used to verify the interfaces and interactions between individual software modules or components. Its purpose is to ensure that independently developed and tested modules, when combined, work together correctly to perform the full function as designed.

See test record 5.13, 5.17

4. Testing tools and techniques

We used Postman and Lighthouse testing tools to test the performance of the API and website respectively.

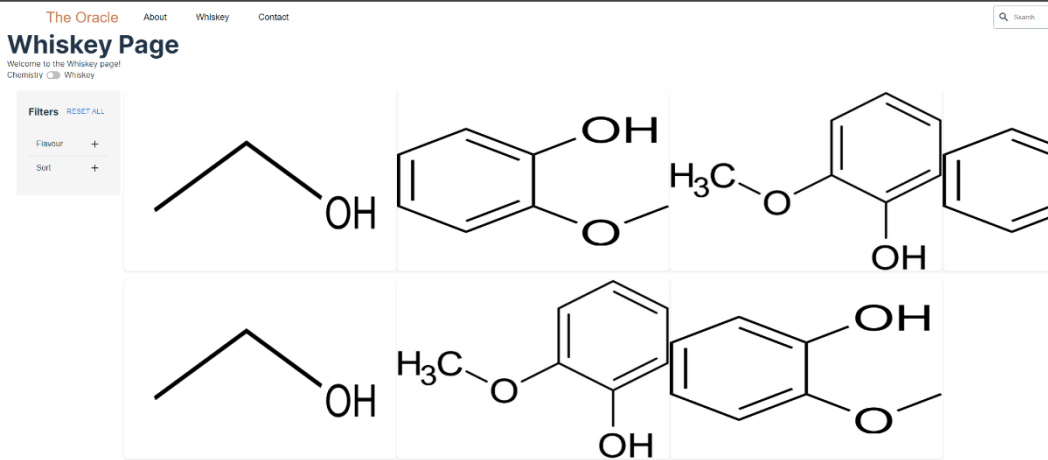
5. Test records and results

5.1 Database test

GENERAL INFORMATION					
Test Stage:	<input type="checkbox"/> Unit <input type="checkbox"/> Performance	<input type="checkbox"/> Functionality <input type="checkbox"/> Regression	<input type="checkbox"/> Integration <input type="checkbox"/> Acceptance	<input type="checkbox"/> System <input type="checkbox"/> Pilot	<input type="checkbox"/> Interface
Test Date:	21/04/2024				
Tester:	PC & Zhiheng Gu		Test Case Number:	1	
Test Case Description:	Database testing				
Results:	Pass				
INTRODUCTION					
Requirement(s) to be tested:	Database feasibility test, whether products can be inserted and deleted normally				
Set Up Procedures:	I thought this project was called Savor IQ.				
	REQUIREMENTS				
	<ul style="list-style-type: none">npm version 10.5.0				
	Installing npm				
	<p>If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed.</p> <p>Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project.</p>				
Set Up Procedures:	RUNNING THE PROJECT				
	<p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>				

ENVIRONMENTAL NEEDS	
Hardware:	Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available) Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor
Software:	Google, github, local terminal
TEST	
Test Items and Features:	Database feasibility test, whether products can be inserted and deleted normally

5.2 Whiskey page display test

GENERAL INFORMATION	
Test Stage:	<input type="checkbox"/> Unit <input type="checkbox"/> Functionality <input type="checkbox"/> Integration <input type="checkbox"/> System <input type="checkbox"/> Interface <input type="checkbox"/> Performance <input type="checkbox"/> Regression <input type="checkbox"/> Acceptance <input type="checkbox"/> Pilot
Test Date:	21/04/2024
Tester:	PC & Zhiheng Gu
Test Case Number:	2
Test Case Description:	Whiskey page display problem, chemical ingredients should not be displayed to users on the first page
Results:	False
INTRODUCTION	
Requirement(s) to be tested:	 <p>The screenshot shows a web page titled 'Whiskey Page' with a navigation bar (The Oracle, About, Whiskey, Contact) and a search bar. Below the navigation bar, there's a 'Filters' section with 'Flavour' and 'Start' filters. The main content area displays a grid of chemical structures representing whiskey ingredients, including ethanol, various phenols, and ethers.</p>
Set Up Procedures:	<p>I thought this project was called Savor IQ.</p> <p>Requirements</p> <ul style="list-style-type: none"> npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by using nvm once it has been installed. Once nvm has been installed, run <code>nvm install 10.5.0</code> to install the version of Node.js being used for this project.</p>

	<p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You Whiskey page display problem, chemical ingredients should not be displayed to users on the first page</p>
ENVIRONMENTAL NEEDS	
Hardware:	Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available) Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor
Software:	Google , github , local terminal
TEST	
Test Items and Features:	Whiskey page display problem, chemical ingredients should not be displayed to users on the first page

5.3 Navigation bar test

GENERAL INFORMATION					
Test Stage:	<input type="checkbox"/> Unit <input type="checkbox"/> Performance	<input type="checkbox"/> Functionality <input type="checkbox"/> Regression	<input type="checkbox"/> Integration <input type="checkbox"/> Acceptance	<input type="checkbox"/> System <input type="checkbox"/> Pilot	<input type="checkbox"/> Interface
Test Date:	01/05/2024				
Tester:	PC & Zhiheng Gu		Test Case Number:	3	
Test Case Description:	Test Fix navigation bar button click, Branch information feature/radar				
Results:	Pass				
INTRODUCTION					
Requirement(s) to be tested:	Click on the navigation bar location				
Set Up Procedures:	<p><i>I thought this project was called Savor IQ.</i></p> <p>Requirements</p> <ul style="list-style-type: none">npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed. Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project.</p> <p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>				
ENVIRONMENTAL NEEDS					

Hardware:	Device name HUAWEI Matebook Pro Processor Apple M1 Pro Onboard RAM 16.0 GB Product ID R5WCVY64D1 System type macOS Sonoma arm-based processor
Software:	Google , github , local terminal
TEST	
Test Items and Features:	Is the position of the click navigation bar correct?

5.4 Filter test 1

GENERAL INFORMATION			
Test Stage:	<input type="checkbox"/> Unit <input type="checkbox"/> Functionality <input type="checkbox"/> Integration <input type="checkbox"/> System <input type="checkbox"/> Interface <input type="checkbox"/> Performance <input type="checkbox"/> Regression <input type="checkbox"/> Acceptance <input type="checkbox"/> Pilot		
Test Date:	10/04/2024		
Tester:	PC & Zhiheng Gu	Test Case Number:	002
Test Case Description:	Check the feature implementation in the branch (feature/side-filter)		
Results:	Some minor issues, Clicking on the filter selection box has no effect. Only precise clicking on the box will work.		

Whiskey Page

Welcome to the Whiskey page!

Filters [RESET ALL](#)

Region

—

☐ Australia

☐ India

☐ Ireland

☐ Japan

☐ Scotland

☐ United States

☐ Taiwan

☐ Rest of the
world

Flavour

+

Brand

+

INTRODUCTION

Requirement(s) to be tested:

Are the functions complete?

Set Up Procedures:

I thought this project was called Savor IQ.

Requirements

- [npm](#) version 10.5.0

Installing npm

If you haven't installed npm already on your machine, you can do so by using [nvm](#) once it has been installed.

Once nvm has been installed, run `nvm install 10.5.0` to install the version of Node.js being used for this project.

	<p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>
ENVIRONMENTAL NEEDS	
Hardware:	Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available) Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor
Software:	Google , github , local terminal
TEST	
Test Items and Features:	Test whether the button work properly

5.5 Filter test 2

GENERAL INFORMATION					
Test Stage:	<input type="checkbox"/> Unit <input type="checkbox"/> Performance	<input type="checkbox"/> Functionality <input type="checkbox"/> Regression	<input type="checkbox"/> Integration <input type="checkbox"/> Acceptance	<input type="checkbox"/> System <input type="checkbox"/> Pilot	<input type="checkbox"/> Interface
Test Date:	21/04/2024				
Tester:	PC & Zhiheng Gu		Test Case Number:	5	
Test Case Description:	filter bar				
Results:	False				
INTRODUCTION					
Requirement(s) to be tested:	When I click on the two options in the filter bar and cancel one of them, the product will disappear.				
Set Up Procedures:	<p>I thought this project was called Savor IQ.</p> <p>Requirements</p> <ul style="list-style-type: none">npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed. Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project.</p> <p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>				
ENVIRONMENTAL NEEDS					
Hardware:	Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available)				

	Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor
Software:	Google , github , local terminal
TEST	
Test Items and Features:	When I click on the two options in the filter bar and cancel one of them, the product will disappear.

5.6 Filter test 3

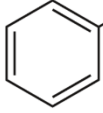
GENERAL INFORMATION					
Test Stage:	<input type="checkbox"/> Unit	<input type="checkbox"/> Functionality	<input type="checkbox"/> Integration	<input type="checkbox"/> System	<input type="checkbox"/> Interface
	<input type="checkbox"/> Performance	<input type="checkbox"/> Regression	<input type="checkbox"/> Acceptance	<input type="checkbox"/> Pilot	
Test Date:	21/04/2024				
Tester:	PC & Zhiheng Gu		Test Case Number:	6	
Test Case Description:	Test Filters fix work				
Results:	Pass				
INTRODUCTION					
Requirement(s) to be tested:	Fixed filter bar click fix working correctly				
Set Up Procedures:	<p>I thought this project was called Savor IQ.</p> <p>Requirements</p> <ul style="list-style-type: none">npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed.</p> <p>Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project.</p> <p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>				
ENVIRONMENTAL NEEDS					
Hardware:	Device name HUAWEI Matebook Pro Processor Apple M1 Pro Onboard RAM 16.0 GB Product ID R5WCVY64D1 System type macOS Sonoma arm-based processor				
Software:	Google , github , local terminal				
TEST					
Test Items and Features:	correct display				

5.7Page switch test

GENERAL INFORMATION			
Test Stage:	<input type="checkbox"/> Unit <input type="checkbox"/> Functionality <input type="checkbox"/> Integration <input type="checkbox"/> System <input type="checkbox"/> Interface <input type="checkbox"/> Performance <input type="checkbox"/> Regression <input type="checkbox"/> Acceptance <input type="checkbox"/> Pilot		
Test Date:	21/04/2024		
Tester:	PC & Zhiheng Gu	Test Case Number:	7
Test Case Description:	Correct switching between Chemistry and Whiskey		
Results:	Pass		
INTRODUCTION			
Requirement(s) to be tested:	Correct switching between Chemistry and Whiskey		
Set Up Procedures:	<p><i>I thought this project was called Savor IQ.</i></p> <p>Requirements</p> <ul style="list-style-type: none"> npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed. Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project.</p> <p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>		
ENVIRONMENTAL NEEDS			
Hardware:	Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available) Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor		
Software:	Google , github , local terminal		
TEST			
Test Items and Features:	Correct switching between Chemistry and Whiskey		

5.8 Chemical structure diagram test

GENERAL INFORMATION			
Test Stage:	<input type="checkbox"/> Unit <input type="checkbox"/> Functionality <input type="checkbox"/> Integration <input type="checkbox"/> System <input type="checkbox"/> Interface <input type="checkbox"/> Performance <input type="checkbox"/> Regression <input type="checkbox"/> Acceptance <input type="checkbox"/> Pilot		
Test Date:	21/04/2024		
Tester:	PC & Zhiheng Gu	Test Case Number:	8
Test Case Description:	Chemical structure diagrams are displayed correctly		
Results:	Pass		
INTRODUCTION			

Requirement (s) to be tested:	<div> <div>The Oracle</div> <div>About</div> <div>Whiskey</div> <div>Contact</div> <div>Search...</div> </div> <div> <div>Floral</div> <div>Chemical Name: Phenyethyl alcohol</div> <div>Description: Phenyethyl alcohol, also known as 2-phenylethanol, is a compound with a sweet floral aroma reminiscent of roses. In whiskey, it can be naturally present as a result of fermentation or added during the aging process. Its presence can contribute to the overall aroma profile of the whiskey, enhancing its complexity and depth. Phenyethyl alcohol is often associated with notes of honey, vanilla, and spices, adding a subtle sweetness to the spirit. When carefully balanced with other compounds, it can create a harmonious bouquet that delights the senses with each sip.</div> <div></div> </div>
Set Up Procedures:	<p><i>I thought this project was called Savor IQ.</i></p> <p>Requirements</p> <ul style="list-style-type: none"> npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by using nvm once it has been installed.</p> <p>Once nvm has been installed, run <code>nvm install 10.5.0</code> to install the version of Node.js being used for this project.</p> <p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run <code>npm run dev</code>. You may need to run <code>npm install</code> before you run this though if it's the first time.</p>
ENVIRONMENTAL NEEDS	
Hardware:	Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available) Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor
Software:	Google , github , local terminal
TEST	
Test Items and Features:	Chemical structure diagrams are displayed correctly

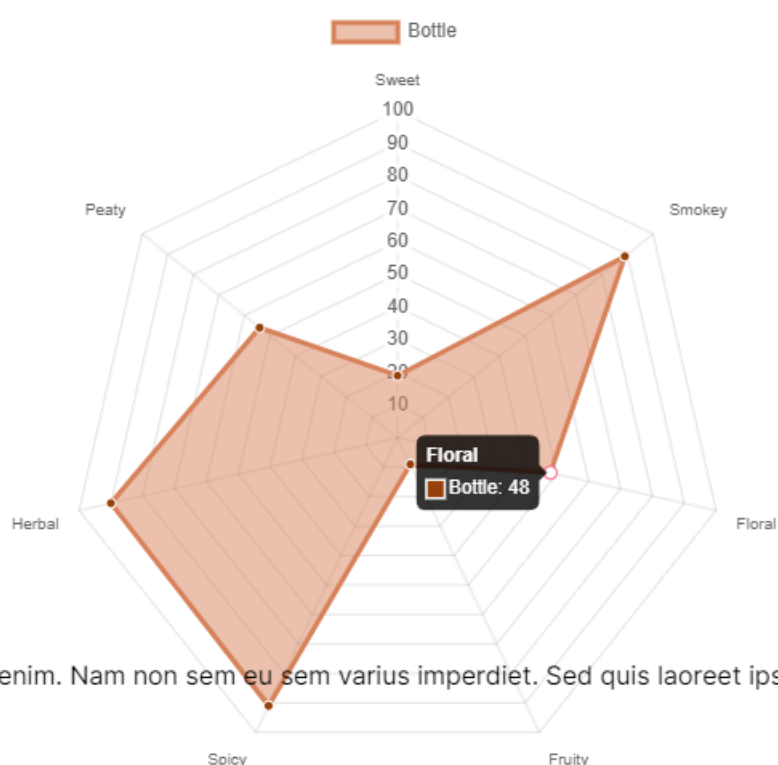
5.9 Radar chart display test 1

GENERAL INFORMATION					
Test Stage:	<input type="checkbox"/> Unit	<input type="checkbox"/> Functionality	<input type="checkbox"/> Integration	<input type="checkbox"/> System	<input type="checkbox"/> Interface
	<input type="checkbox"/> Performance	<input type="checkbox"/> Regression	<input type="checkbox"/> Acceptance	<input type="checkbox"/> Pilot	
Test Date:	21/04/2024				
Tester:	PC & Zhiheng Gu		Test Case Number:	9	
Test Case Description:	Flavor Radar Display Test				
Results:	Pass				
INTRODUCTION					

<p>Requirement(s) to be tested:</p>	<div data-bbox="391 257 1289 1019"> <p>Level of flavors</p> <p>Level enim. Nam non sem eu sem varius imperdiet. Sed quis laoreet ipsum,</p> </div>
<p>Set Up Procedures:</p>	<p><i>I thought this project was called Savor IQ.</i></p> <p>Requirements</p> <ul style="list-style-type: none"> npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed. Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project.</p> <p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>
<p>ENVIRONMENTAL NEEDS</p>	
<p>Hardware:</p>	<p>Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available) Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor</p>
<p>Software:</p>	<p>Google, github, local terminal</p>
<p>TEST</p>	

Test Items and Features:	Is it displayed normally
--------------------------	--------------------------

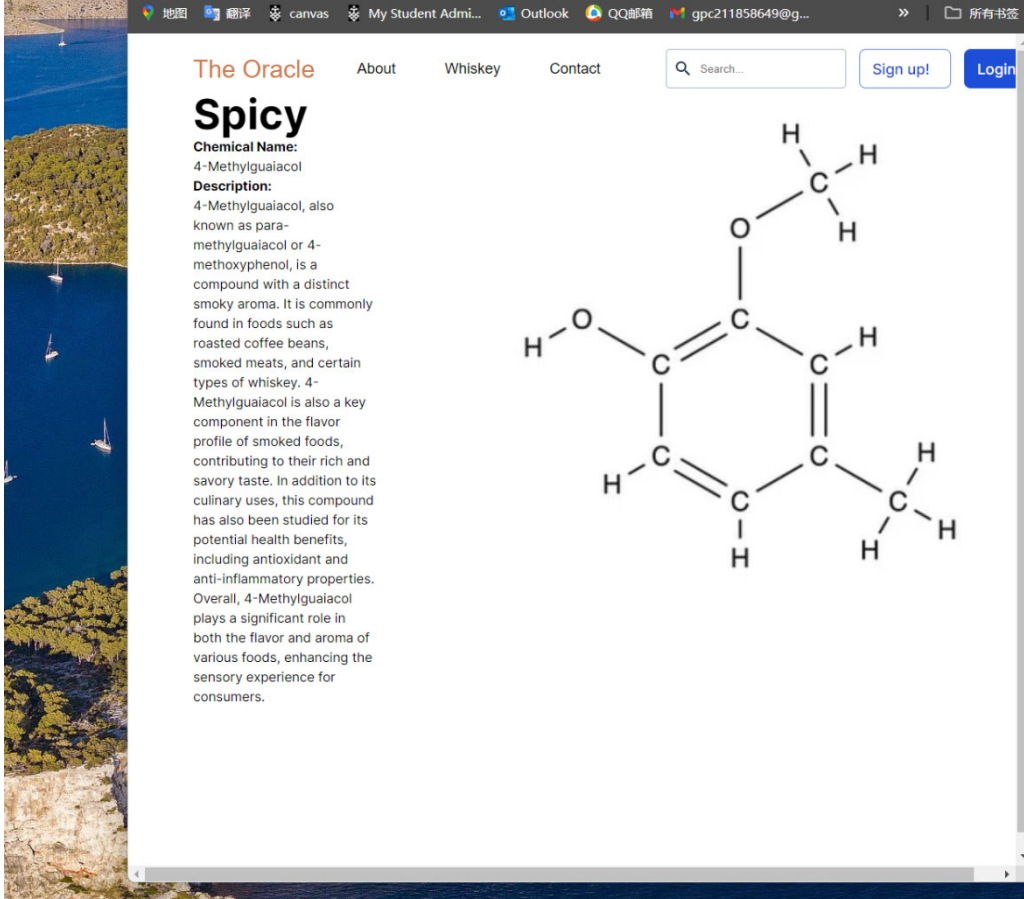
5.10 Radar chart display test 2

GENERAL INFORMATION					
Test Stage:	<input type="checkbox"/> Unit	<input type="checkbox"/> Functionality	<input type="checkbox"/> Integration	<input type="checkbox"/> System	<input type="checkbox"/> Interface
	<input type="checkbox"/> Performance	<input type="checkbox"/> Regression	<input type="checkbox"/> Acceptance	<input type="checkbox"/> Pilot	
Test Date:	21/04/2024				
Tester:	PC & Zhiheng Gu		Test Case Number:	10	
Test Case Description:	Functions on radar display normally				
Results:	Pass				
INTRODUCTION					
Requirement(s) to be tested:	<div><div>rem vel</div><div>enatis</div><div></div></div>				
	<div>rem vel enim. Nam non sem eu sem varius imperdiet. Sed quis laoreet ipsum, quis t</div> <div>Functions on radar display normally</div>				
Set Up Procedures:	<div>I thought this project was called Savor IQ.</div> <div>Requirements</div> <div><ul style="list-style-type: none">npm version 10.5.0</div> <div>Installing npm</div> <div>If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed.</div> <div>Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project.</div>				

	<p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>
ENVIRONMENTAL NEEDS	
Hardware:	Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available) Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor
Software:	Google , github , local terminal
TEST	
Test Items and Features:	Functions on radar display normally

5.11 Browser zooming test

GENERAL INFORMATION					
Test Stage:	<input type="checkbox"/> Unit	<input type="checkbox"/> Functionality	<input type="checkbox"/> Integration	<input type="checkbox"/> System	<input type="checkbox"/> Interface
	<input type="checkbox"/> Performance	<input type="checkbox"/> Regression	<input type="checkbox"/> Acceptance	<input type="checkbox"/> Pilot	
Test Date:	21/04/2024				
Tester:	PC & Zhiheng Gu		Test Case Number:	11	
Test Case Description:	Zoom window, website does not change style and style				
Results:	Pass				
INTRODUCTION					

Requirement(s) to be tested:	 <p>The Oracle About Whiskey Contact</p> <p>Spicy</p> <p>Chemical Name: 4-Methylguaiacol</p> <p>Description: 4-Methylguaiacol, also known as para-methylguaiacol or 4-methoxyphenol, is a compound with a distinct smoky aroma. It is commonly found in foods such as roasted coffee beans, smoked meats, and certain types of whiskey. 4-Methylguaiacol is also a key component in the flavor profile of smoked foods, contributing to their rich and savory taste. In addition to its culinary uses, this compound has also been studied for its potential health benefits, including antioxidant and anti-inflammatory properties. Overall, 4-Methylguaiacol plays a significant role in both the flavor and aroma of various foods, enhancing the sensory experience for consumers.</p> <chem>CC1=CC=C(C=C1)OC</chem>
Set Up Procedures:	<p><i>I thought this project was called Savor IQ.</i></p> <p>Requirements</p> <ul style="list-style-type: none"> npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by using nvm once it has been installed.</p> <p>Once nvm has been installed, run <code>nvm install 10.5.0</code> to install the version of Node.js being used for this project.</p> <p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run <code>npm run dev</code>. You Whiskey page display problem, chemical ingredients should not be displayed to users on the first page</p>
ENVIRONMENTAL NEEDS	
Hardware:	<p>Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available) Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor</p>
Software:	<p>Google, github, local terminal</p>
TEST	

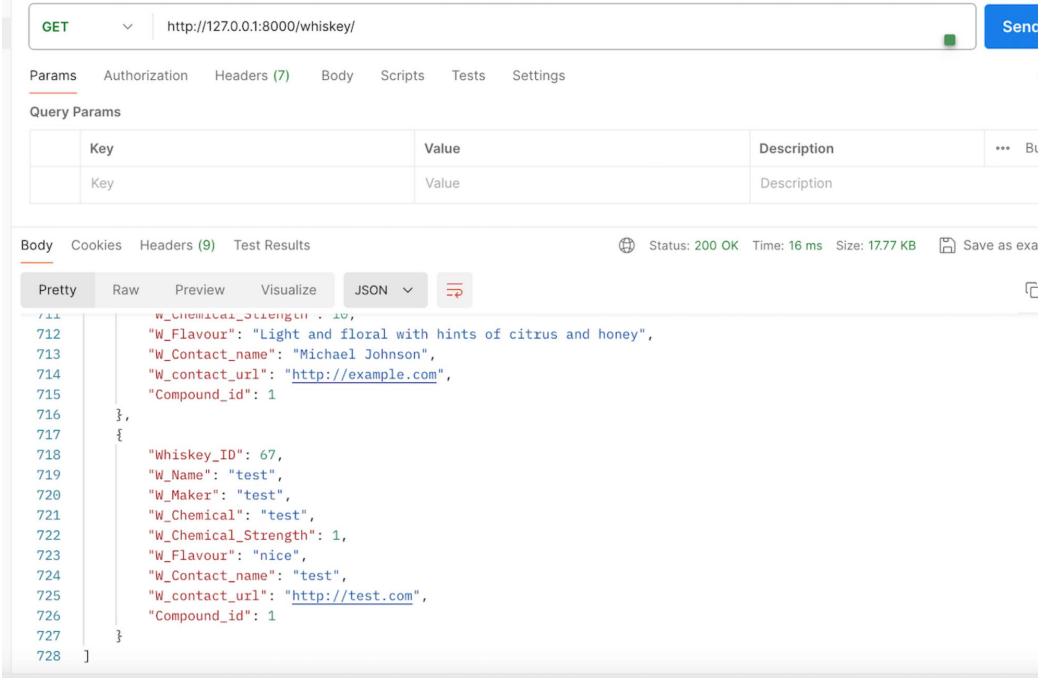
Test Items and Features:	Zoom window, website does not change style and style
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5.12 UI design test

GENERAL INFORMATION					
Test Stage:	<input type="checkbox"/> Unit	<input type="checkbox"/> Functionality	<input type="checkbox"/> Integration	<input type="checkbox"/> System	<input type="checkbox"/> Interface
	<input type="checkbox"/> Performance	<input type="checkbox"/> Regression	<input type="checkbox"/> Acceptance	<input type="checkbox"/> Pilot	
Test Date:	21/04/2024				
Tester:	PC & Zhiheng Gu		Test Case Number:	12	
Test Case Description:	Cancel display of normal and CSS effects				
Results:	Pass				
INTRODUCTION					
Requirement(s) to be tested:	<div><div></div><div>Bottle</div><div><div>Sweet</div><div>1.0</div><div>0.8</div><div>0.6</div><div>0.4</div><div>0.2</div><div>0</div><div>-0.2</div><div>-0.4</div><div>-0.6</div><div>-0.8</div><div>-1.0</div></div><div><div>Peaty</div><div>Smokey</div><div>Flori</div><div>Fruity</div><div>Spicy</div><div>Herbal</div></div><div>enim. Nam non sem eu sem varius imperdiet. Sed quis laoreet ip</div></div>				
	Cancel display of normal and CSS effects				
Set Up Procedures:	<div>I thought this project was called Savor IQ.</div> <div>Requirements</div> <div><div><div></div><div>npm</div><div>version 10.5.0</div></div></div> <div>Installing npm</div> <div>If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed.</div> <div>Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project.</div>				

	<p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>
ENVIRONMENTAL NEEDS	
Hardware:	Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available) Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor
Software:	Google , github , local terminal
TEST	
Test Items and Features:	Cancel display of normal and CSS effects

5.13 Database api test

GENERAL INFORMATION	
Test Stage:	<input type="checkbox"/> Unit <input type="checkbox"/> Functionality <input type="checkbox"/> Integration <input type="checkbox"/> System <input type="checkbox"/> Interface <input type="checkbox"/> Performance <input type="checkbox"/> Regression <input type="checkbox"/> Acceptance <input type="checkbox"/> Pilot
Test Date:	21/04/2024
Tester:	PC & Zhiheng Gu
Test Case Description:	Database api testing
Results:	Pass
INTRODUCTION	
Requirement(s) to be tested:	 <p>The screenshot shows a REST client interface. At the top, a GET request is made to the URL 'http://127.0.0.1:8000/whiskey/'. Below the URL bar, there are tabs for Params, Authorization, Headers (7), Body, Scripts, Tests, and Settings. The 'Params' tab is active, showing a table with columns Key, Value, and Description. Below this, the 'Body' tab is active, showing a JSON response. The JSON response is formatted in 'Pretty' mode and contains two objects. The first object has keys 'W_Chemical_Strength', 'W_Flavour', 'W_Contact_name', 'W_contact_url', and 'Compound_id'. The second object has keys 'Whiskey_ID', 'W_Name', 'W_Maker', 'W_Chemical', 'W_Chemical_Strength', 'W_Flavour', 'W_Contact_name', 'W_contact_url', and 'Compound_id'.</p>
Set Up Procedures:	<i>I thought this project was called Savor IQ.</i>

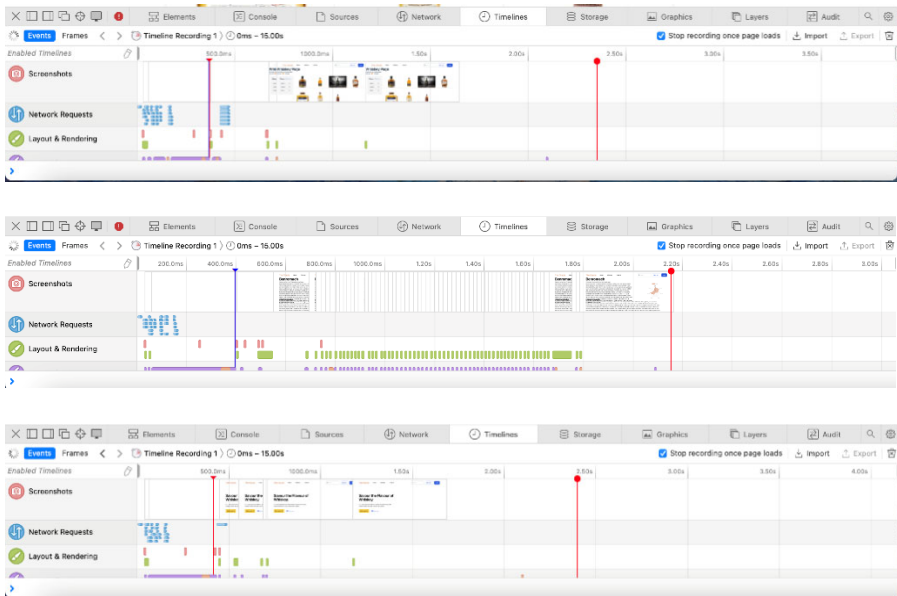
	<p>Requirements</p> <ul style="list-style-type: none"> npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed. Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project.</p> <p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>
ENVIRONMENTAL NEEDS	
Hardware:	<p>Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available) Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor</p>
Software:	Google , github , local terminal
TEST	
Test Items and Features:	Can it respond normally

5.14 Whiskey page open test

GENERAL INFORMATION			
Test Stage:	<div><input type="checkbox"/> Unit<input type="checkbox"/> Functionality<input type="checkbox"/> Integration<input type="checkbox"/> System<input type="checkbox"/> Interface</div> <div><input type="checkbox"/> Performance<input type="checkbox"/> Regression<input type="checkbox"/> Acceptance<input type="checkbox"/> Pilot</div>		
Test Date:	21/04/2024		
Tester:	PC & Zhiheng Gu	Test Case Number:	14
Test Case Description:	Whiskey Page Response		
Results:	Pass		
INTRODUCTION			
Requirement(s) to be tested:	Whiskey Page Response		
Set Up Procedures:	<p><i>I thought this project was called Savor IQ.</i></p> <p>Requirements</p> <ul style="list-style-type: none">npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed.</p> <p>Once nvm has been installed, run <code>nvm install 10.5.0</code> to install the version of Node.js being</p>		

	<p>used for this project.</p> <p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>
ENVIRONMENTAL NEEDS	
Hardware:	<p>Device name DESKTOP-OFTELA3</p> <p>Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz</p> <p>Onboard RAM 16.0 GB (15.7 GB available)</p> <p>Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA</p> <p>Product ID 00326-60000-00000-AA237</p> <p>System type 64-bit operating system, x64-based processor</p> <p>Pen and Touch No pen or touch input is available for this monitor</p>
Software:	Google , github , local terminal
TEST	
Test Items and Features:	Determine the response is correct

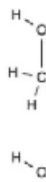
5.15 Page response speed test

GENERAL INFORMATION			
Test Stage:	<div><div><input type="checkbox"/> Unit</div><div><input type="checkbox"/> Performance</div><div><input type="checkbox"/> Functionality</div><div><input type="checkbox"/> Regression</div><div><input type="checkbox"/> Integration</div><div><input type="checkbox"/> Acceptance</div><div><input type="checkbox"/> System</div><div><input type="checkbox"/> Pilot</div><div><input type="checkbox"/> Interface</div></div>		
Test Date:	21/05/2024		
Tester:	PC & Zhiheng Gu	Test Case Number:	15
Test Case Description:	<div>Home, Whiskey, Chemist page response time test.</div> <div></div>		
Results:	Pass		
INTRODUCTION			
Requirement(s) to be tested:	Whiskey Page Response		

Set Up Procedures:	<p><i>I thought this project was called Savor IQ.</i></p> <p>Requirements</p> <ul style="list-style-type: none"> • npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed. Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project.</p> <p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run npm run dev. You may need to run npm install before you run this though if it's the first time.</p>
ENVIRONMENTAL NEEDS	
Hardware:	<p>Device name Apple Macbook Pro</p> <p>Processor Apple M1 Pro</p> <p>Onboard RAM 16.0 GB (15.7 GB available)</p> <p>System type: Arm 64</p>
Software:	Safari , github , local terminal
TEST	
Test Items and Features:	Test the loading speed of a page in a specific environment. The results are not absolute, but can be used as a reference

5.16 UI design test result

GENERAL INFORMATION					
Test Stage:	<input type="checkbox"/> Unit	<input type="checkbox"/> Functionality	<input type="checkbox"/> Integration	<input type="checkbox"/> System	<input type="checkbox"/> Interface
	<input type="checkbox"/> Performance	<input type="checkbox"/> Regression	<input type="checkbox"/> Acceptance	<input type="checkbox"/> Pilot	
Test Date:	27/05/2024				
Tester:	PC & Zhiheng Gu		Test Case Number:	15	
Test Case Description:	UI design customer feedback The page design of the site is beautiful and the color palette fits the theme of whisky! ---- Zhishuo Li There's so much text on the chemical composition screen that I may not have the confidence to read it as a user. ---- Hongming Yang It would be nice to add an online comment section for users to post their opinions in. ---- Anonymous student				
Results:	Pass				
INTRODUCTION					
Requirement(s) to be tested:	Whiskey Page Response				
Set Up Procedures:	I thought this project was called Savor IQ. Requirements • npm version 10.5.0 Installing npm				

	<p>The Oracle About Privacy Contact</p> <p>Herbal Chemical Name: Limonene Description: Limonenes are a fascinating class of organic compounds characterized by a cyclic ester structure, often found in nature, from the distinct aromas and flavors. These compounds contribute to the fragrance of flowers and fruits, adding complexity to perfumes and enhancing the taste of various foods and beverages. From the citrusy zinginess of lemons to the earthy notes of sage and oregano, limonenes play a crucial role in defining the sensory experience of many natural products. Their versatile chemistry makes them valuable in various industries, from pharmaceuticals and food science, where their unique properties are harnessed for diverse applications. Whether it's the subtle hints of menthol in a sweetener or the alluring scent of lavender in a perfume, limonenes continue to captivate and inspire scientists, chefs, and perfumers alike with their aromatic charm.</p> 
Set Up Procedures:	<p><i>I thought this project was called Savor IQ.</i></p> <p>Requirements</p> <ul style="list-style-type: none"> npm version 10.5.0 <p>Installing npm</p> <p>If you haven't installed npm already on your machine, you can do so by using nvm once it has been installed. Once nvm has been installed, run <code>nvm install 10.5.0</code> to install the version of Node.js being used for this project.</p> <p>Running the project</p> <p>For now, you can just navigate to the directory where you've cloned this repository and run <code>npm run dev</code>. You may need to run <code>npm install</code> before you run this though if it's the first time.</p>
ENVIRONMENTAL NEEDS	
Hardware:	Device name DESKTOP-OFTELA3 Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz Onboard RAM 16.0 GB (15.7 GB available) Device ID 1119001F-F810-445D-9C27-A5BD4A66C5AA Product ID 00326-60000-00000-AA237 System type 64-bit operating system, x64-based processor Pen and Touch No pen or touch input is available for this monitor

6. Test result

In conclusion, our results can adequately meet the software requirements. However, based on the client's requirements, this website does not need to be actually deployed, so it differs in many ways from a fully commercialized website.

Peicheng and Zhiheng's testing work ensures the high quality and reliability of the software during the development process.

In Agile development, the development team frequently releases small, incremental updates. These updates can introduce new issues or conflict with the existing system. Through system testing, we can identify these issues early and provide feedback to the developers, preventing them from becoming larger problems.

Secondly, by thoroughly testing all aspects of the system, including functionality, performance, security, and user experience, the development team can ensure that the software meets all business requirements and user expectations. This helps improve the reliability and usability of the product, ultimately increasing user satisfaction.

Finally, through system testing, team members can better understand the overall state of the system and make necessary adjustments in a timely manner. Since this website does not need to be actually deployed, this system report can serve as a reference for those who may eventually deploy the site online, providing a foundation for further optimization and improvement.