Test report

Project name: The oracle

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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.

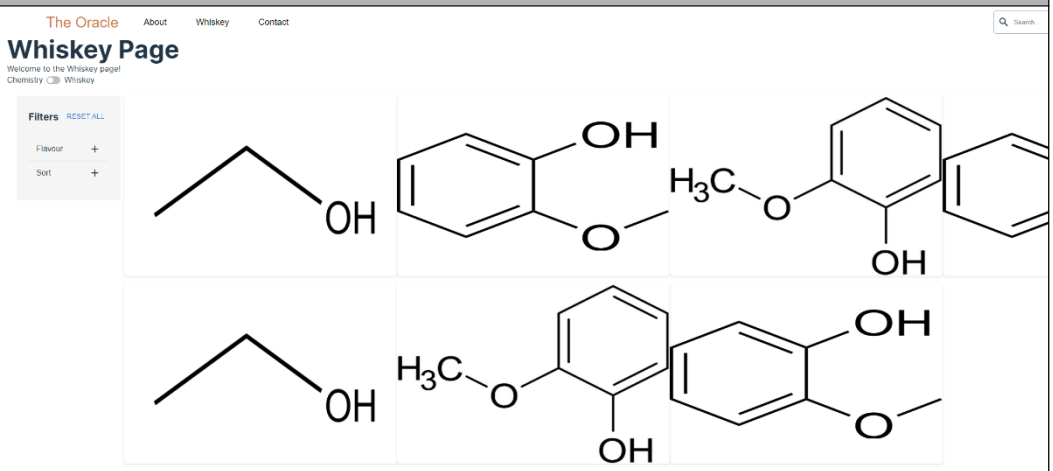
5. Test records and results

5.1 Database test

GENERAL INFORMATION			
Test Stage:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ Pilot		
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** • npm version 10.5.0 **Installing npm** 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. **RUNNING THE PROJECT** 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.		

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:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ 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:			
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 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.		

	Running the project 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
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

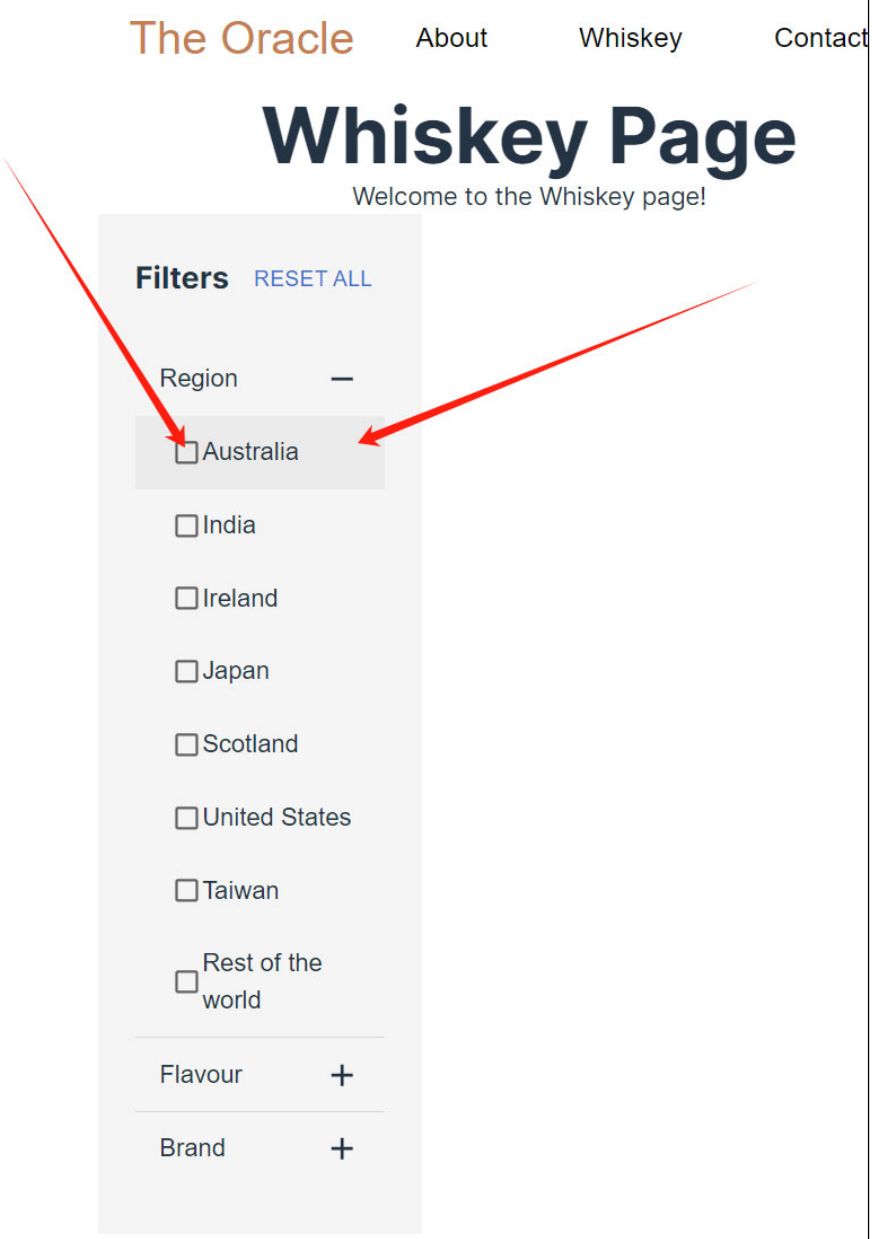
5.3 Navigation bar test

GENERAL INFORMATION				
Test Stage:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ Pilot			
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:	*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 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. Running the project 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.			
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:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ 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.**			



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 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.

	Running the project 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.
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:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ Pilot			
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:	*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 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. Running the project 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.			
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

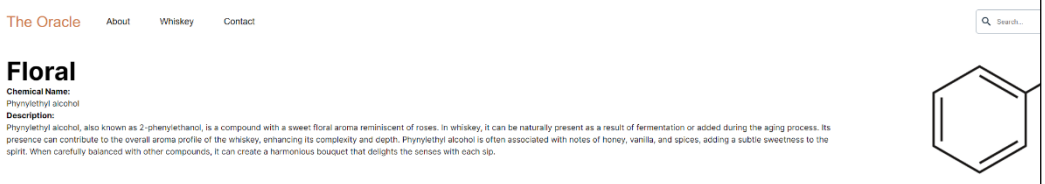
GENERAL INFORMATION			
Test Stage:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ Pilot		
Test Date:	21/04/2024		
Tester:	PC & Zhiheng Gu	**Test Case Number:**	6
Test Case Description:	Test Filters fix work		
Results:	**Pass**		
INTRODUCTION			
Requirement(s) to be tested:	Fixed filter bar click fix working correctly		
Set Up Procedures:	*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 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. Running the project 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.		
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:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ 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:	*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 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. Running the project 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.		
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		

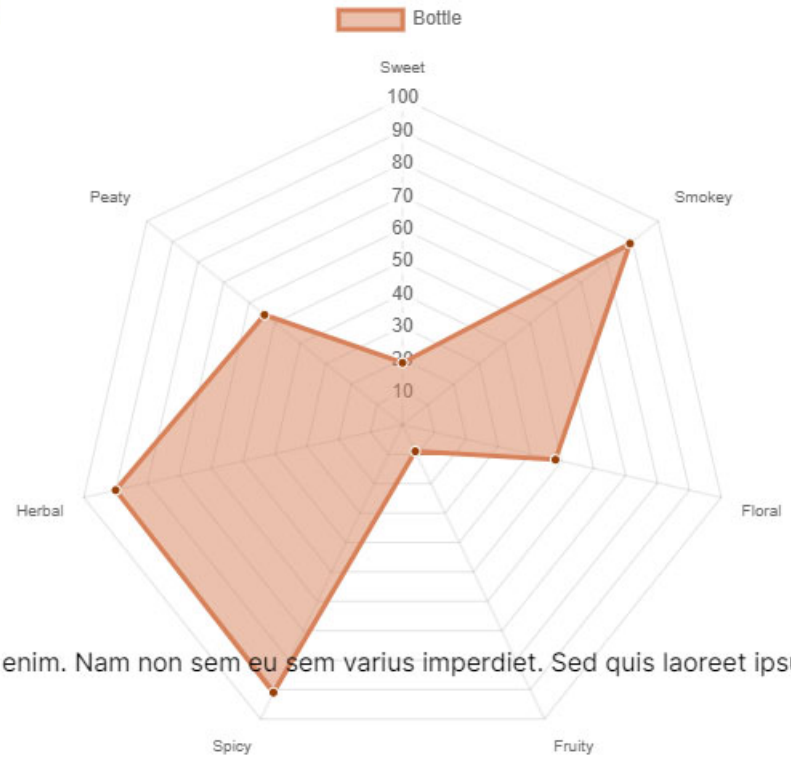
5.8 Chemical structure diagram test

GENERAL INFORMATION			
Test Stage:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ 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:	
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 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. Running the project 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.
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

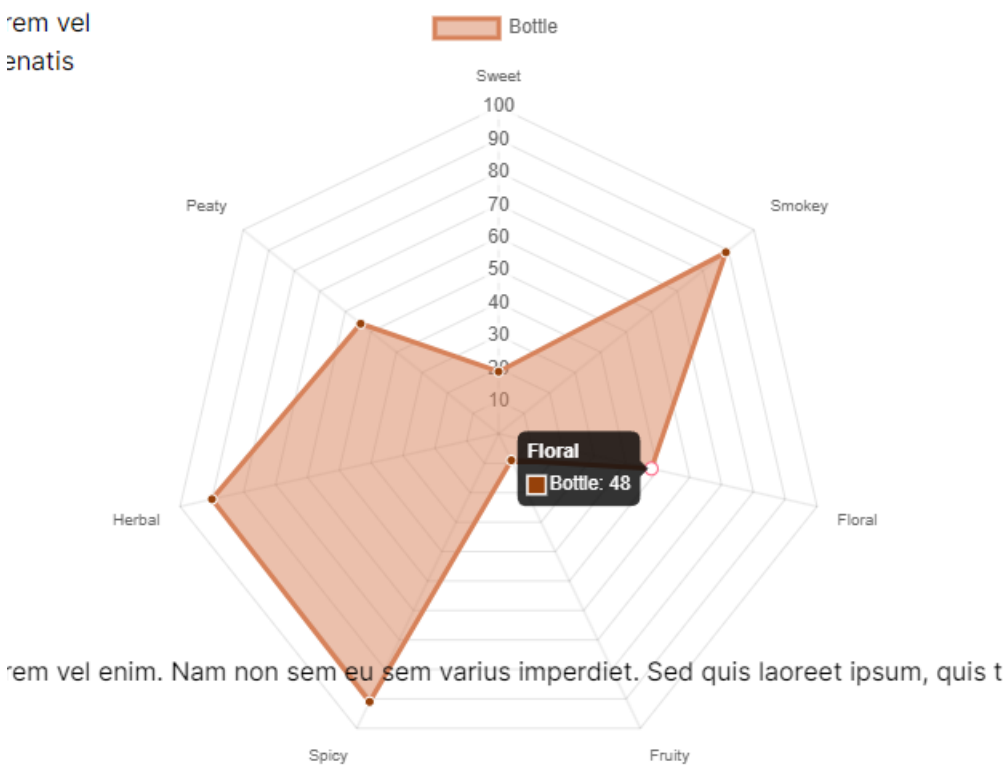
GENERAL INFORMATION				
Test Stage:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ Pilot			
Test Date:	21/04/2024			
Tester:	PC & Zhiheng Gu	**Test Case Number:**	9	
Test Case Description:	Flavor Radar Display Test			
Results:	**Pass**			
INTRODUCTION				

Requirement(s) to be tested:	ı vel tis  ı vel enim. Nam non sem eu sem varius imperdiet. Sed quis laoreet ipsum,
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 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. Running the project 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.
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:	Is it displayed normally

5.10 Radar chart display test 2

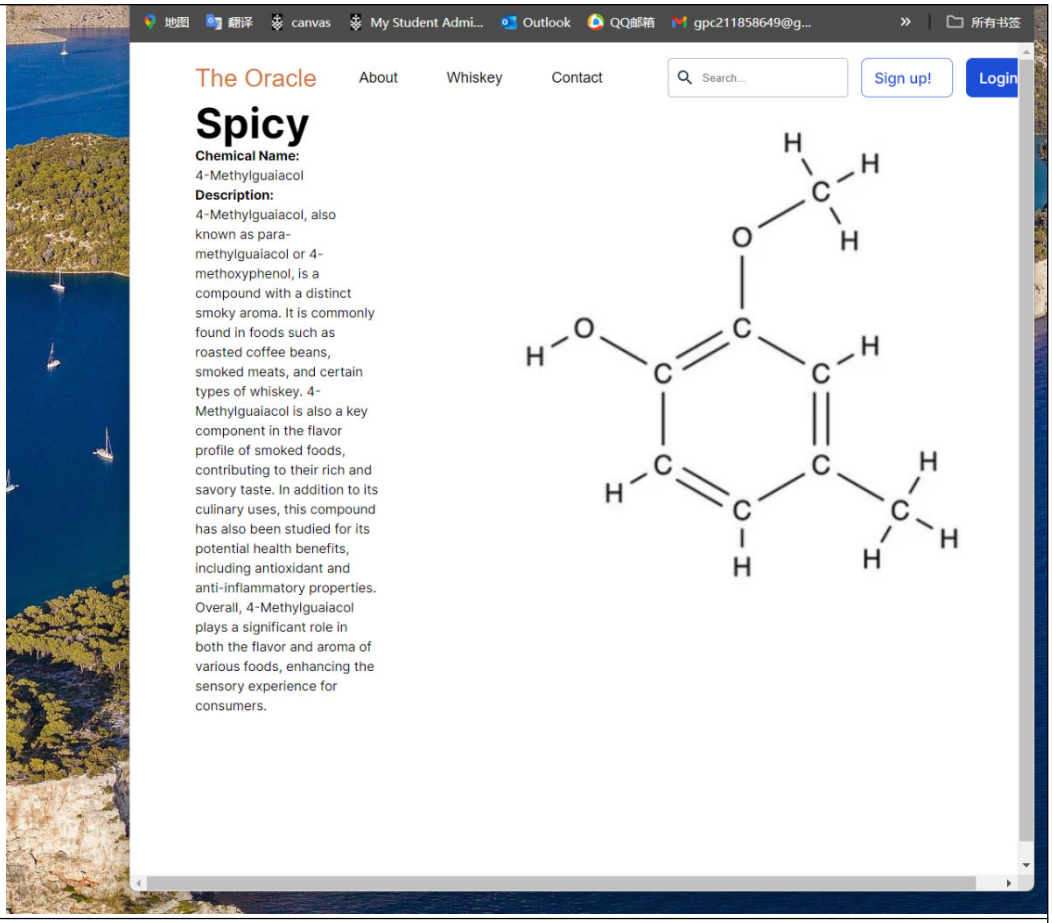
GENERAL INFORMATION			
Test Stage:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ Pilot		
Test Date:	21/04/2024		
Tester:	PC & Zhiheng Gu	**Test Case Number:**	10
Test Case Description:	Functions on radar display normally		
Results:	**Pass**		

INTRODUCTION	
Requirement(s) to be tested:	 Functions on radar display normally
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 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.

	Running the project 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.
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

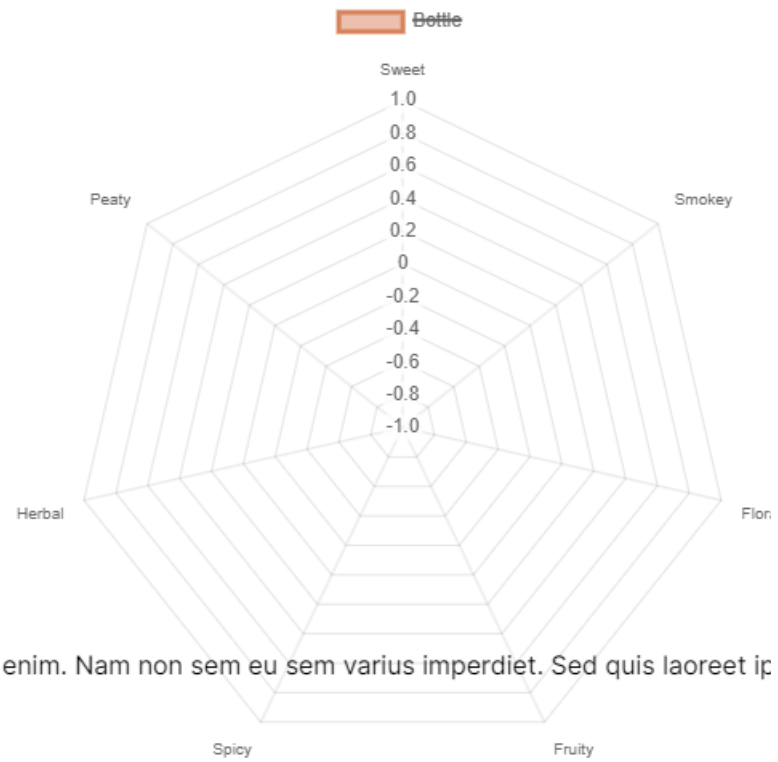
GENERAL INFORMATION				
Test Stage:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ Pilot			
Test Date:	21/04/2024			
Tester:	PC & Zhiheng Gu	**Test Case Number:**	11	
Test Case Description:	Zoom window, website does not change style and style			
Results: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

Requirement (s) to be tested:	
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 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. Running the project 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
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:	Zoom window, website does not change style and style

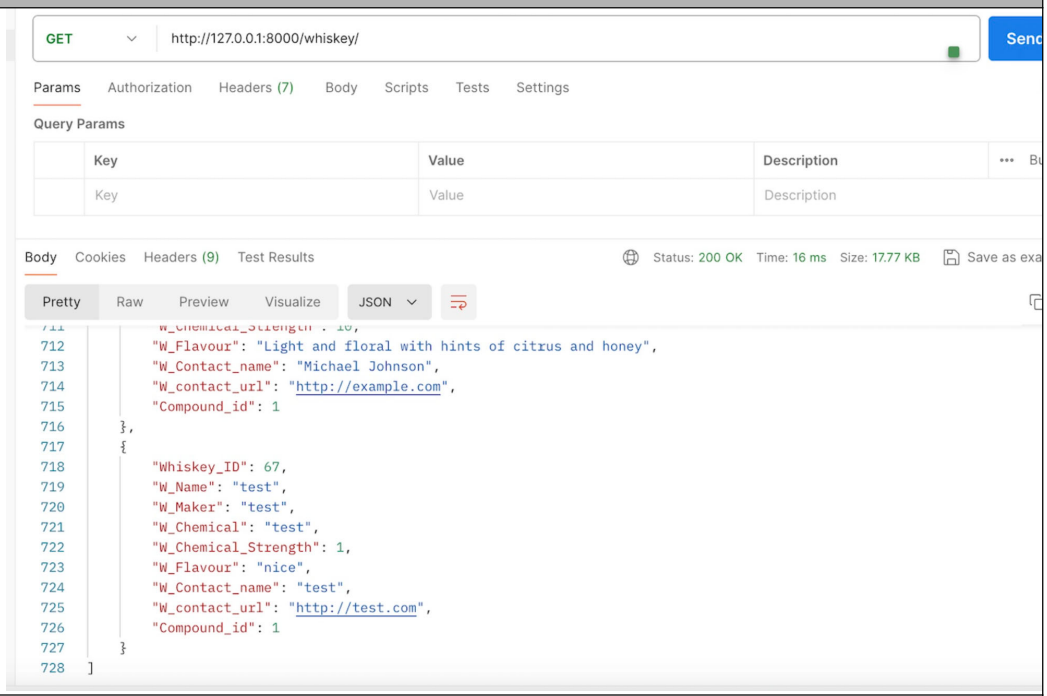
5.12 UI design test

GENERAL INFORMATION				
Test Stage:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ 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:	 enim. Nam non sem eu sem varius imperdiet. Sed quis laoreet ip Cancel display of normal and CSS effects
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 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.

	Running the project 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.
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:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ Pilot		
Test Date:	21/04/2024		
Tester:	PC & Zhiheng Gu	**Test Case Number:**	13
Test Case Description:	Database api testing		
Results:	**Pass**		
INTRODUCTION			
Requirement (s) to be tested:	
Set Up Procedures:	*I thought this project was called Savor IQ.*

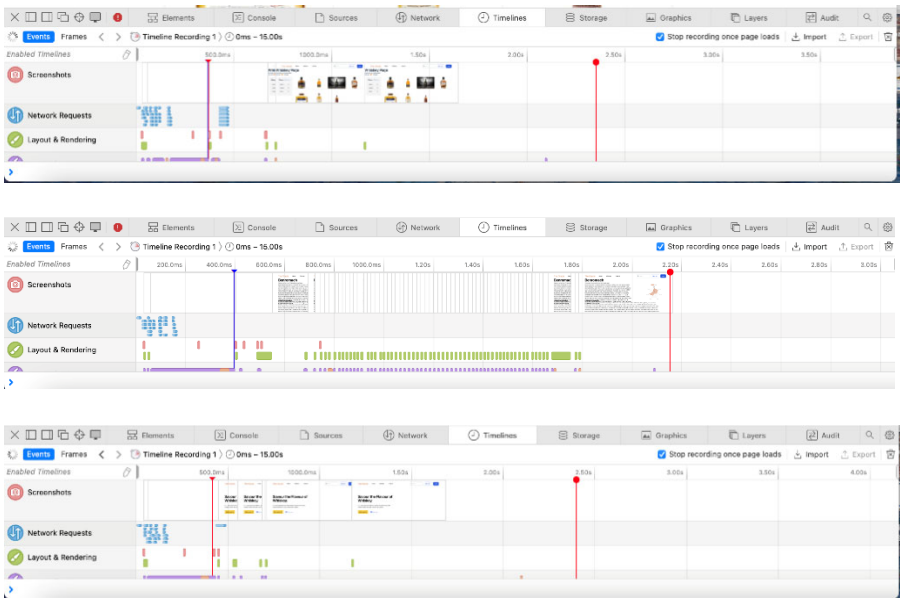
	Requirements • npm version 10.5.0 Installing npm If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed. Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project. Running the project For now, 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.
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:	Can it respond normally

5.14 Whiskey page open test

GENERAL INFORMATION				
Test Stage:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ Pilot			
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:	*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 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. Running the project 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.
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:	Determine the response is correct

5.15 Page response speed test

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

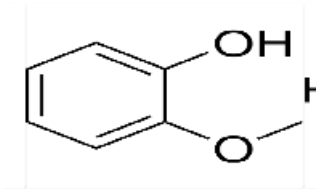
Set Up Procedures:	*I thought this project was called Savor IQ.* Requirements • npm version 10.5.0 Installing npm If you haven't installed npm already on your machine, you can do so by by using nvm once it has been installed. Once nvm has been installed, run nvm install 10.5.0 to install the version of Node.js being used for this project. Running the project 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.
ENVIRONMENTAL NEEDS	
Hardware:	Device name Apple Macbook Pro Processor Apple M1 Pro Onboard RAM 16.0 GB (15.7 GB available) System type: Arm 64
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

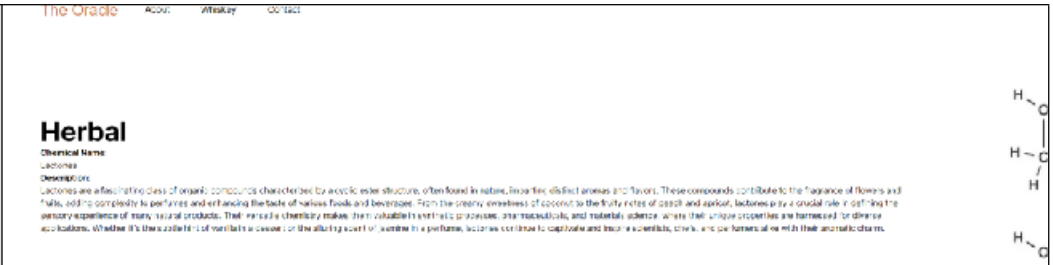
5.16 UI design test result

GENERAL INFORMATION				
Test Stage:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ 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			

	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. Running the project 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.
ENVIRONMENTAL NEEDS	
Hardware:	Device name Apple Macbook Pro Processor Apple M1 Pro Onboard RAM 16.0 GB (15.7 GB available) System type: Arm 64
Software:	Safari，github，local terminal
TEST	
Test Items and Features:	This test was given to some of the non-course students who used the site and then got some feedback. Given the time and cost constraints, we were not able to conduct user feedback on a large scale, and could only do an experiment on a small scale.

5.17 Integration Testing

GENERAL INFORMATION				
Test Stage:	☐ Unit ☐ Functionality ☐ Integration ☐ System ☐ Interface ☐ Performance ☐ Regression ☐ Acceptance ☐ Pilot			
Test Date:	01/05/2024			
Tester:	PC & Zhiheng Gu	**Test Case Number:**		
Test Case Description:	Integration Testing			
Results:	**There are many problems**			
INTRODUCTION				
Requirement(s) to be tested:	1. The two buttons on the welcome interface are still empty buttons and have no effect. 2. There are still resolution problems causing image display problems  3. Inaccurate positioning of some text			

	
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 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. Running the project 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.
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.