

Alliance with FFT Education

# FPT ACADEMY INTERNATIONAL FPT – APTECH COMPUTER EDUCATION

Centre Name: ACE-HCMC-2-FPT.

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# [Rheem Cooling]

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Submitted				ANH	
	Issue:	April		ANH	

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# Acknowledge

As we understand that the eProject is a step-by-step learning environment that closely simulates the classroom and Lab based learning environment into actual implementation. It is a project implementation at your fingertips!! An electronic, live juncture on the machine that allows you to.

- ✓ Practice step by step i.e., laddered approach.
- ✓ Build a larger, more robust application.
- ✓ Usage of certain utilities in applications designed by the user.
- ✓ Single program to unified code leading to a complete application.
- ✓ Learn implementation of concepts in a phased manner.
- ✓ Enhance skills and add value.
- ✓ Work on real life projects.
- ✓ Give a real-life scenario and help to create applications more complicated and useful.

We would like to send a great thank to our professor and others student for the adorable support during the time in the project.

Beside several mistakes we had made in the project, we hope to have more opportunities to widen our knowledge in the web developing world.

We also thank you so much for your information and the "demo" project from India APTECH to help us get more reality experience in this project. Since we have gained more experience from this project, we will not stop learning anything as much as we can to be more successful in the future.

Your Sincerely,

Team Group 03.

# **Synopsis**

- The Objective of this program we aim is to give a sample project to work on real life projects. These applications help us build a larger, more robust application.
- The objective is not to teach us HTML/JavaScript but to provide us with a real life scenario and help us create basic applications using the tools.
- Hence, we can revise the chapters before we start with the project.
- This project The Objective of this program is to give a sample project to work on real life projects. These applications help you build a larger, more robust application.
- The objective is not to teach you the software but to provide you with a real-life scenario and help you create basic applications using the tools.
- You can revise the topics before you start with the project.
- This project is meant for students who have completed the module of HTML5.
- These programs should be done in the Lab sessions with assistance of the faculty if required.
- The website (in this project) is a tool that help the company to access the international market and gain more and more new customers.
- It is very essential that a student has a clear understanding of the subject.

# **REVIEW 1**

### **Problem Definition**

Rheem Cooling is a specialist Air Conditioner retail store. Founded in 1998, Rheem Cooling brings under one roof, multi-brand air conditioning products.

We have over 20 brands in more than 40 stores across.

Rheem Cooling brings alive the promise of a 'Brighter Every Day' with a world-class ambience to shop both in-store and online, while also creating a seamless omnichannel shopping experience that lets you enjoy the best of both, online and offline worlds.

You'll always be spoilt for choice at Rheem Cooling but will never be left confused. Experts at our stores will help you find the right Air Conditioner for your needs.

You are supposed to create a Single-Page-Application and responsive Website for them with the below mentioned requirement specifications.

The website is to be developed for the Windows Platform using HTML5, JSON, Angular JS, JavaScript and Geolocation. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

Here are some problems need to be resolved:

- 1. With the changing environment, more and more customers are interested in shopping online and this issue leads to the situation that customers want to find information about various products easily on the Rheem Cooling website and purchase the right product that meets their needs.
- 2. The product range is not known to quite a few customers; they just order on the basic of the feedback or recommendations given by their friends or colleagues and after delivery of the product it does not match either the requirements or expectations leading to wastage of time, resources and delivery costs.
- 3. Online customers have an interest in reading reviews before purchasing specific products.
- 4. Existing customers needing some help and support on the product after installation would have to contact the Rheem Cooling office through phone number or email address. Moreover, many customers want to come to the store to view the product and then decide whether to buy it or not.

### **Customer Requirements Specifications**

#### USER:

#### Input:

- Input consumer's address of residence or office
- Send questions/requests to the company

#### Process:

- Process consumer's address data
- Collect questions/requests sent by consumers

#### Output:

- Show the store address to consumers
- Reply to the consumer's requests/questions

#### **WEBMASTER:**

#### Input:

• Control website database, input product information,...

#### Process:

Analyse website

#### Output:

- Website interface, images, forms, ...
- Giving interaction

### HARDWARE / SOFTWARE REQUIREMENT:

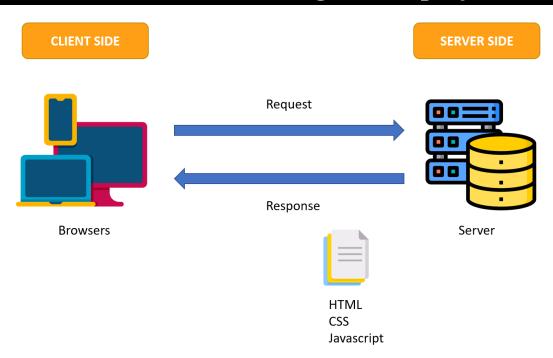
#### Software:

- Visual Studio Code
- HTML5, CSS, Bootstrap, JavaScript

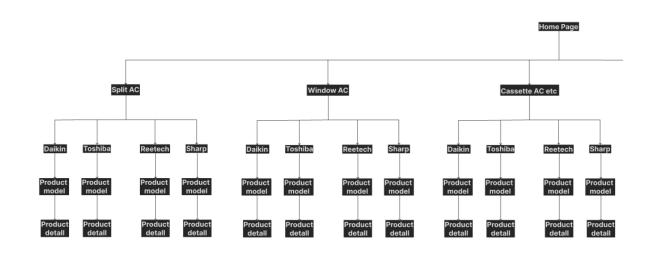
#### Hardware:

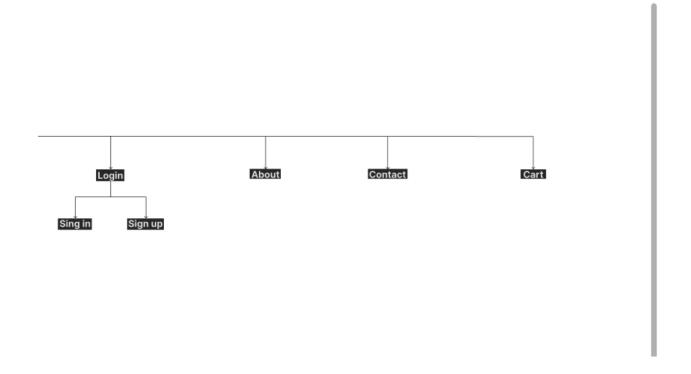
- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
- 64 Megabytes of RAM or better

# **Architecture and Design of the project**



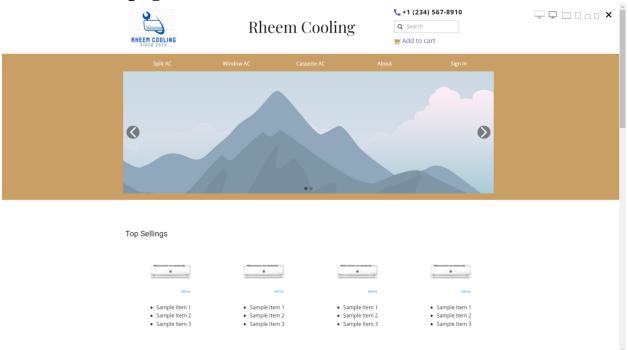
# Site map

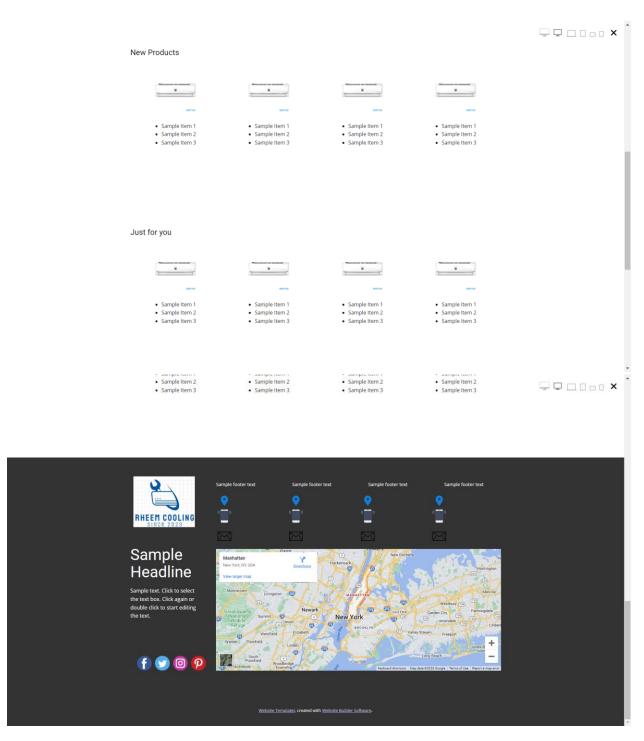




# Website Design Layout

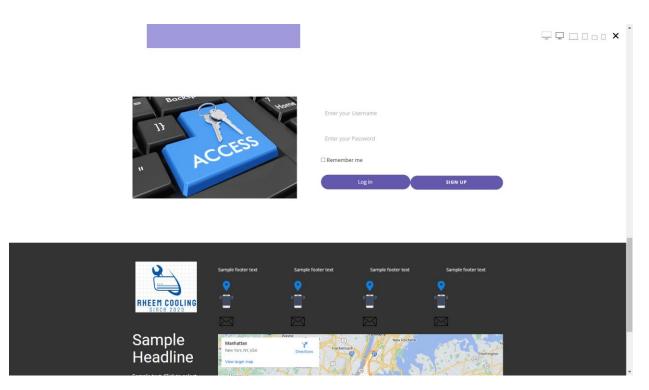
### I. Homepage





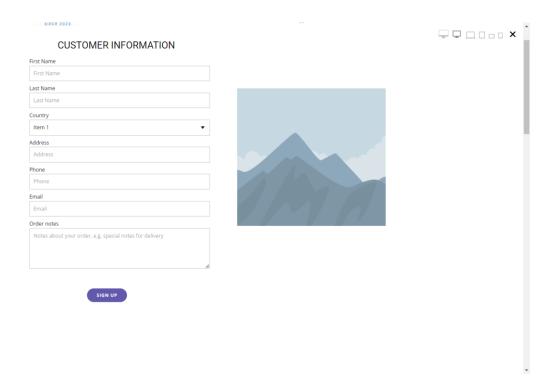
**Description:** This is a homepage of Rheem Cooling, the top of this page is a header, after that is a navigation bar. The main part of a homepage beside the slider also includes 3 sections: best sellers, just for you and new items. The footer of a homepage has 2 sections: subscribe and link to other information pages or contact information.

### II. Sign in



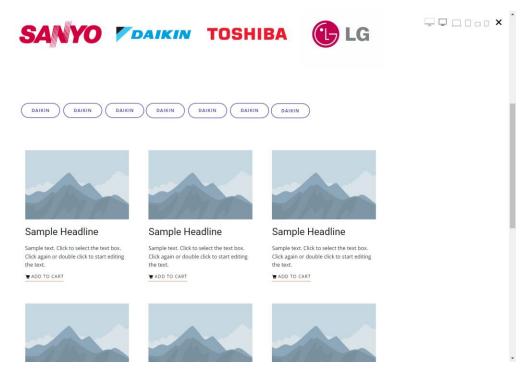
**Description:** When the user clicks on the human icon in the header, it leads to a sign in page. This form requires the user to enter an email address and a password. After clicking the login button, the user will be redirected to the homepage.

### III. Sign up



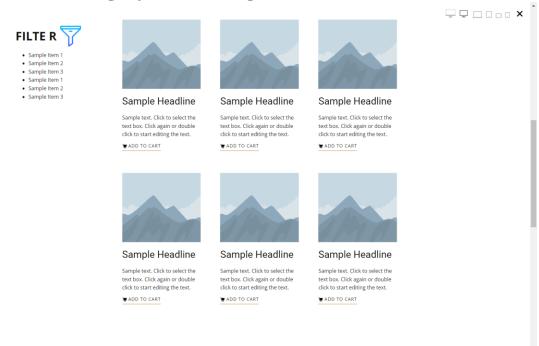
**Description:** If the user hasn't created an account, he/she can click to Create new account in the sign in page and it will lead to this sign up page. This sign up form requires the user to enter 4 fields: first name, last name, email and password. After clicking the sign up button the user will be redirected to the homepage.

#### IV. Sales



**Description:** When the user clicks on the Sales tag in navigation, it will lead to this page. The main part of this page contains 2 sections: top brands, and sale items (which includes the category of each product).

#### V. Product Category/Search Page

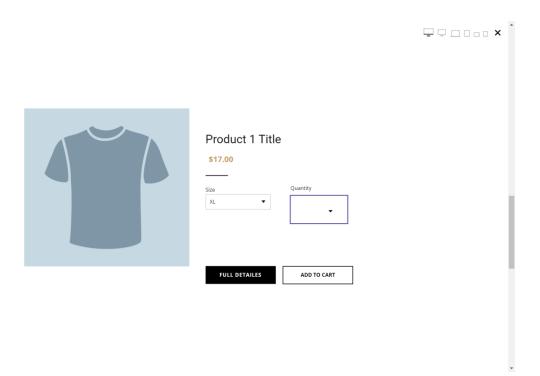


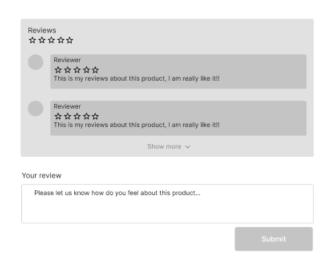
**Description:** When the user clicks on a specific category in the sub menu of the Products tag on navigation, it will lead to this page. The left part is a filter which contains filters by: light types, brands, rating and price. The right part is a result of a specific product.

#### VI. Product Comparison

**Description:** When the user clicks on add icon on specific product, this product will be added to comparison, at least 2 items and less than 4 items can be compared. When the user clicks on compare button, a compare modal will appear, it shows detail information of those items

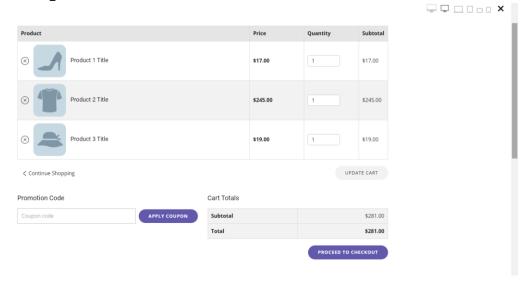
#### VII. Product Detail





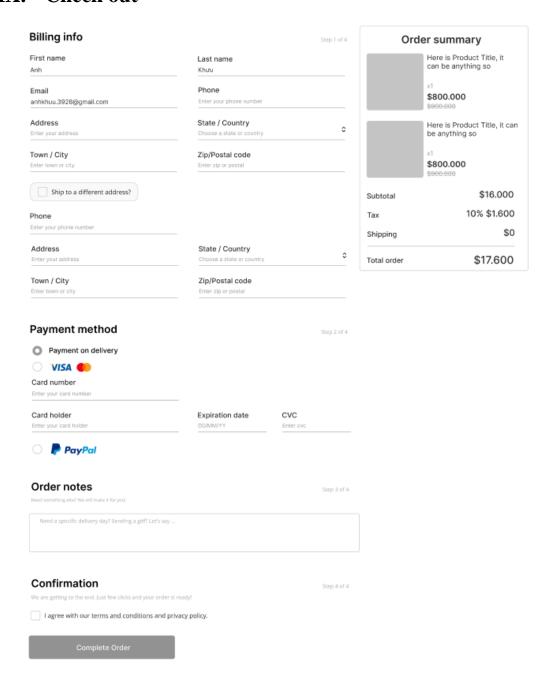
**Description:** When the user clicks on a specific product it will lead to this product detail page. Beside in detail information about the product, it also contains Call to Action buttons Buy now. Moreover, it also contains the Reviews part, this includes reviews of the other buyers, and the user can write reviews about this product. The last part of this page is the Related Products section.

### VIII. Cart Dropdown



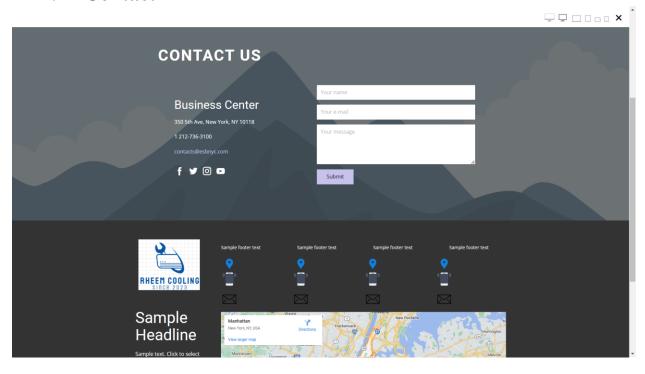
**Description:** When the user clicks on the cart icon in the header, the cart information will appear. It includes products that users have already added to cart, the user can select all items or remove items which they don't have the intention to buy.

#### IX. Check out



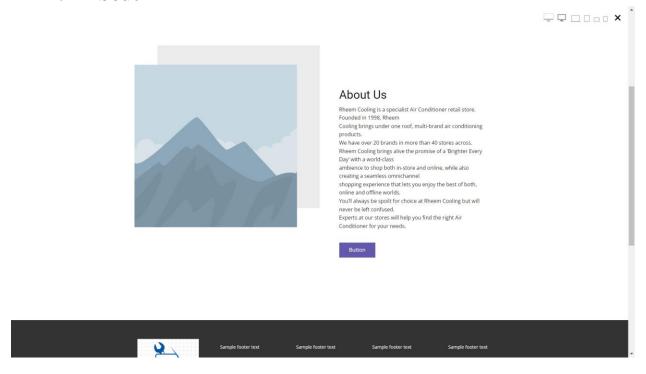
**Description:** After clicking the Check out button on the Cart or Buy now button in Product Detail Page, the user will be redirected to this checkout page. The left part of this page contains a form which requires the user to enter and the other side is the Order summary.

#### X. Contact



**Description:** After clicking the Contact tag on the navigation bar, the user will be redirected to this page. The first part of this page is a map, beside it is a detailed location of Rheem Cooling's Branches. The last part of this page is a Send information form to send their information to Rheem Cooling.

#### XI. About



**Description:** After the user clicks on the About tag on the navigation bar, it will lead to this about page. This page contains detailed information about Rheem Cooling.

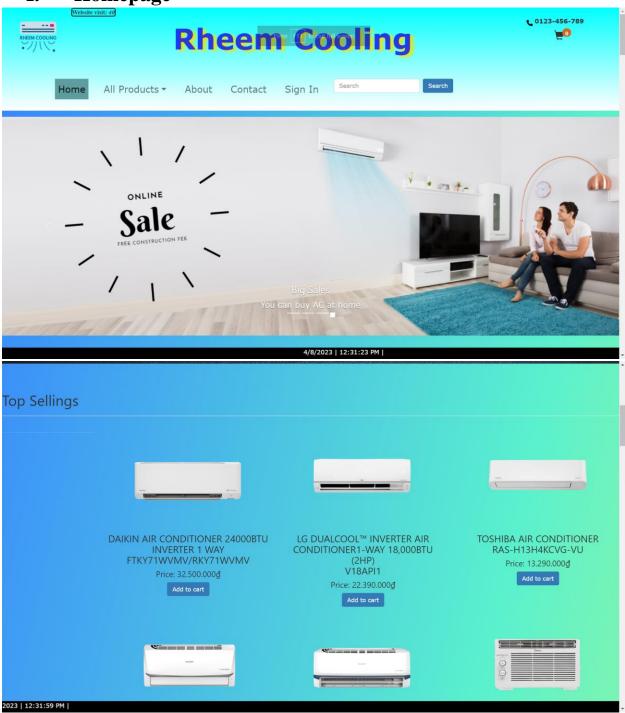
# Task Sheet

Project Ref No.	Project Title –	Activity Plan	Date of preparation of Activity Plan			
Task	Ask Me Mobile	Prepared by	Actual Start Date	Actual Days	Teammate Names	Status
Brainstormin	_	Huy, Danh,	11/3/2023	1 days	Huy, Danh,	Completed
for layouts an		Nhật			Nhật	
Project Object	ct					
Draw site ma	ps and	Huy, Danh,	11/3/2023	1 days	Huy, Danh,	Completed
architecture of	design	Nhật			Nhật	
Wire framing	g general	Huy	11/3/2023	3 days	Huy	Completed
page layout						
Collect static	assets	Danh, Nhật	17/3/2023	7 days	Danh, Nhật	Completed
(pictures, mp	4,					
documentation,)						

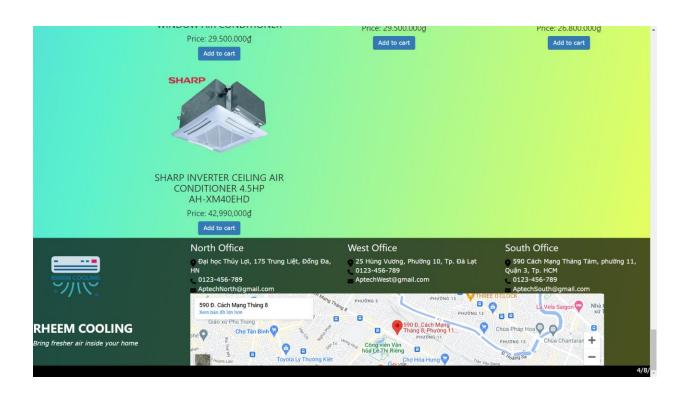
# **REVIEW 2**

### WEBSITE USER INTERFACE

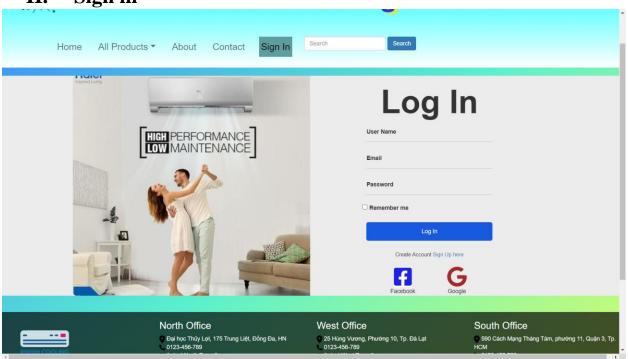
I. Homepage



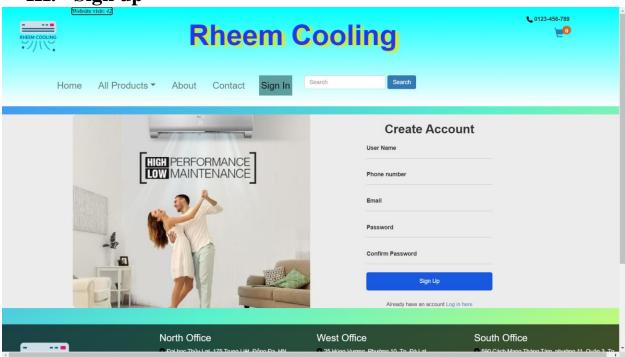




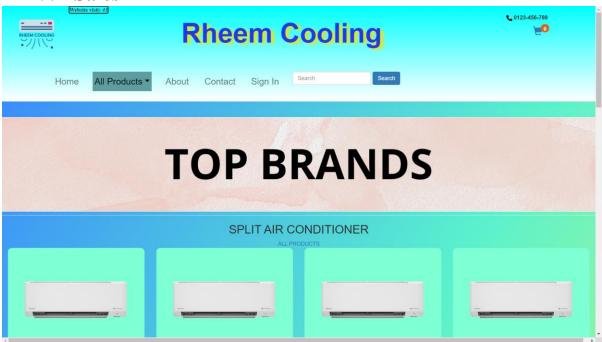
II. Sign in



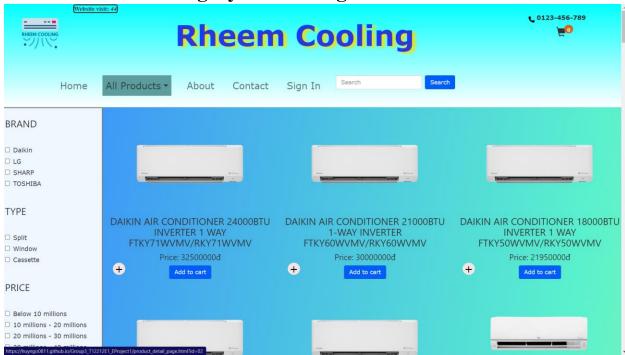
III. Sign up



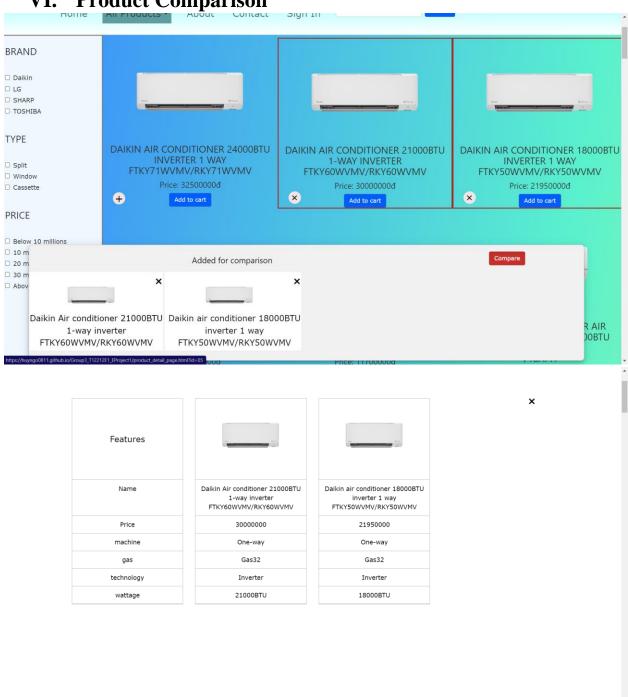
#### IV. Sales



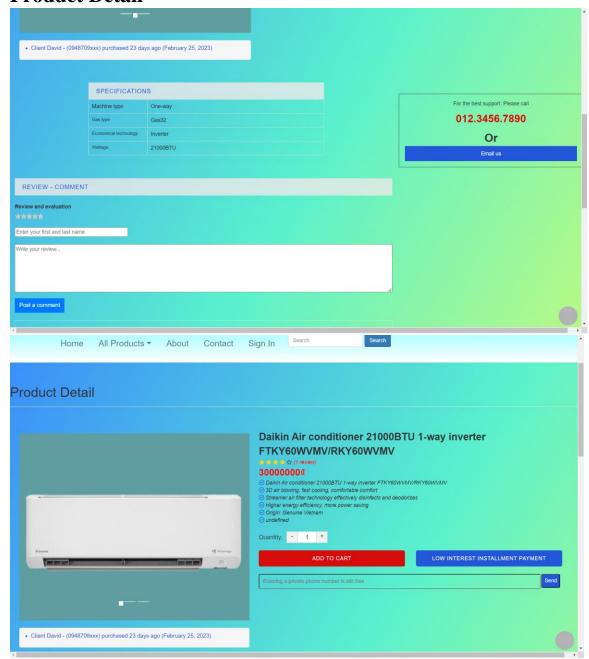
### V. Product Category/Search Page



VI. Product Comparison

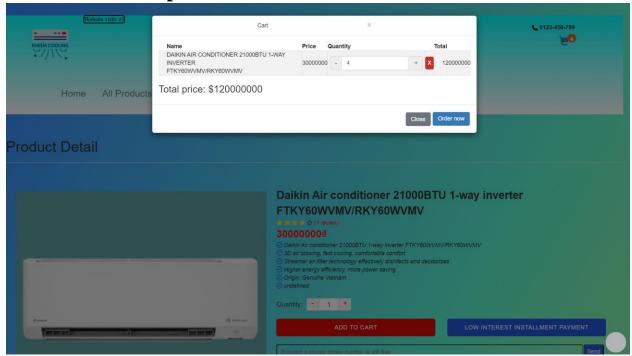


#### VII. Product Detail

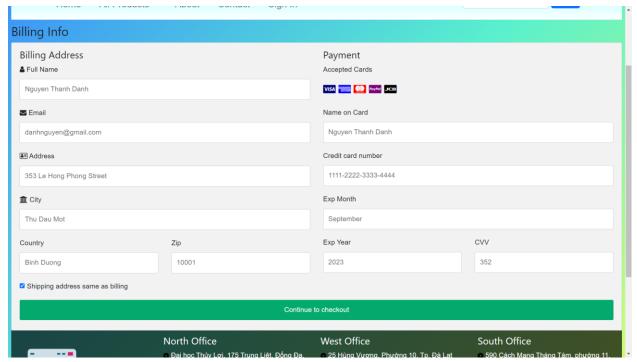




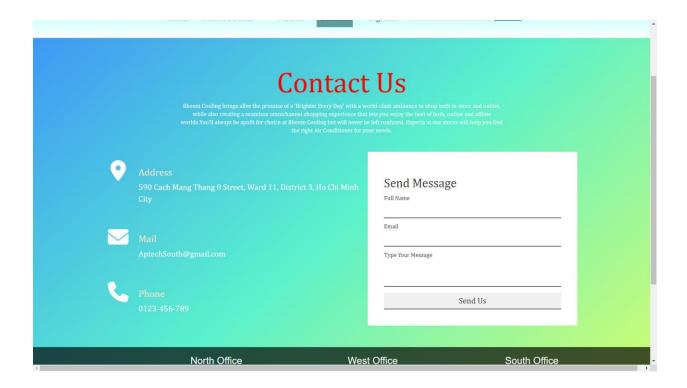
### VIII. Cart Dropdown



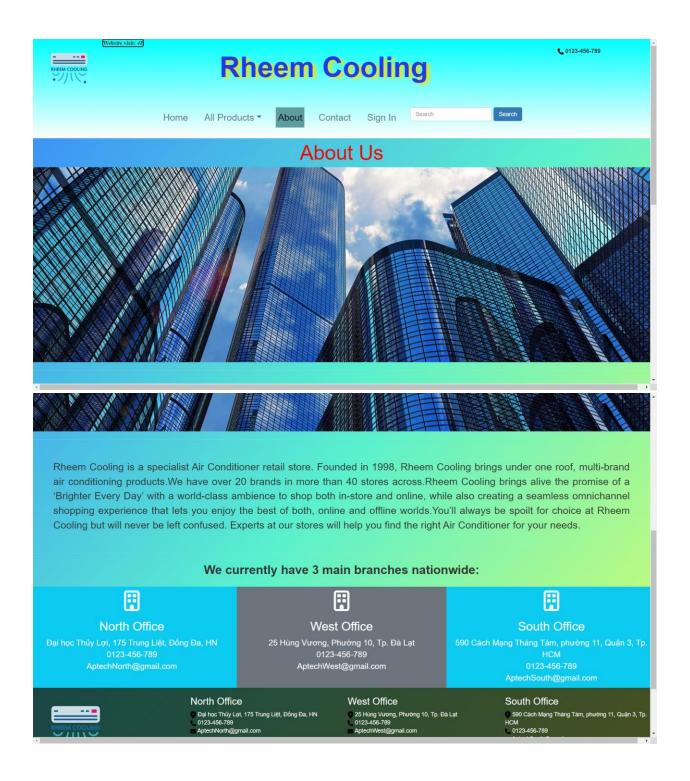
#### IX. Check out



### X. Contact



#### XI. About



## **Task Sheet**

Project Ref No.	Project Title –	Activity Plan Prepared by	Date of preparation of Activity Plan			
Task	Ask Me Mobile	Trepared by	Actual Start Date	Actual Days	Teammate Names	Status
Brainstorming ideas for layouts and Project Object		Huy, Danh, Nhật	11/3/2023	1 days	Huy, Danh, Nhật	Completed
Draw site map		Huy, Danh, Nhật	11/3/2023	1 days	Huy, Danh, Nhật	Completed
Wire framing page layout	general	Huy	11/3/2023	3 days	Huy	Completed
Collect static (pictures, mp4 documentation	1,	Danh, Nhật	17/3/2023	7 days	Danh, Nhật	Completed
Design & Bui Homepage	ld	Huy	21/3/2023	8 days	Huy	Completed
Design & Bui	ld Sign	Nhật	14/3/2023	3 days	Nhật	Completed
Design & Bui up	ld Sign	Nhật	14/3/2023	3 days	Nhật	Completed
Design & Bui	ld Sales	Danh	20/3/2023	7 days	Danh	Completed
Design & Bui Product Category/Sear		Huy	14/3/2023	7 days	Huy	Completed
Design & Bui Product Detai	ld	Nhật	20/3/2023	5 days	Nhật	Completed
Design & Bui Dropdown	ld Cart	Huy	22/3/2023	3 days	Huy	Completed
Design & Bui out	ld Check	Danh	20/3/2023	5 days	Danh	Completed
Design & Bui Contact	ld	Danh	14/3/2023	5 days	Danh	Completed
Design & Bui	ld About	Danh	14/3/2023	5 days	Danh	Completed
Product Comp	parison	Nhật	17/3/2023	3 days	Nhật	Completed
Write Project	Report	Huy	06/4/2023	1 days	Huy	Completed

# **Testing document**

Sr.No	Features Tested	Remarks
1	Are all the users able to view the images and links?	OK
2	Have all the views, modules and controllers been properly integrated and is the site function as a single page application?	OK
3	Are the GUI content devoid of spelling mistakes?	OK
4	Is the application user-friendly?	OK
5	Is the Website launching correctly in all popular browsers?	OK
6	Are all the forms validated with proper criteria?	OK
7	Do all text links lead to the appropriate website?	OK
8	Do all image links lead to the appropriate website?	OK
9	Are all the images and links clearly visible on the page?	OK
10	Does the Web page work properly in all the tested browsers?	OK
11	Does the Web page take too long to be loaded fully?	OK
12	Is the navigation sequences correct through all the Web pages on the site?	OK
13	Is the JavaScript code working as expected in all click	OK

## Final checklist

Sr.No	Features Tested	Remarks
1	Are all the users able to view the images and links?	OK
2	Have all the views, modules and controllers been properly integrated and is the site function as a single page application?	OK
3	Are the GUI content devoid of spelling mistakes?	OK
4	Is the application user-friendly?	OK
5	Is the Website launching correctly in all popular browsers?	OK
6	Are all the forms validated with proper criteria?	OK
7	Do all text links lead to the appropriate website?	OK
8	Do all image links lead to the appropriate website?	OK
9	Are all the images and links clearly visible on the page?	OK
10	Does the Web page work properly in all the tested browsers?	OK
11	Does the Web page take too long to be loaded fully?	OK
12	Is the navigation sequences correct through all the Web pages on the site?	OK
13	Is the JavaScript code working as expected in all click	OK