

FPT ACADEMY INTERNATIONAL FPT – APTECH COMPUTER EDUCATION

Centre Name: ACE-HCMC-2-FPT.

Address: 590 Cach Mang Thang 8, District 3, Ho Chi Minh City, Viet Nam.

[Rock Paradise]

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Term:	1	
Batch No:	T1.2112.E0	
Group No:	1	
Order:	Full name	Roll No.
1.	Nguyễn Hữu Cường	Student1438974
2.	Lê Thanh Bảo Phú	Student1438982

Month 04 Year 2022

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Mr.	Nguyễn Hữu Cường
Mr.	Lê Thanh Bảo Phú
Have	successfully Designed & Developed
	Rock Paradise
Submi	tted by: Ms. PHAM THI LANH
Date	Of Tague 7-7-1 2022
_ 3, 3 3	Of Issue: April, 2023
	orized Signature:

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Acknowledge

The eProject is designed to provide a hands-on learning environment that closely mimics the classroom and lab experience. It allows users to implement a project step by step, providing an electronic, live interface on the machine. Through this interface, users can practice a laddered approach, build a larger and more robust application, and learn to implement concepts in a phased manner. The project also provides mentoring through email support and offers real-life scenarios to create more complicated and useful applications. Despite some mistakes made during the project, the team would like to express their gratitude to their professor and fellow students for their support. They also thank India APTECH for providing a demo project to help them gain more real-life experience. The team is committed to continuing their learning and acquiring as much knowledge as possible to be successful in the future.

We express our sincere gratitude to our professor and fellow students for their invaluable support during this project. Despite encountering some challenges, we appreciate the opportunities that this project has provided us to expand our knowledge and skills in the web development world. We are particularly grateful to India APTECH for sharing their demo project, which has given us a more realistic experience in this project.

Through this eProject, we have gained valuable experience and will continue to learn and improve our skills to become successful in our future endeavors. Thank you for this excellent opportunity.

Sincerely,

Team Group 04.

Synopsis

The primary objective of this program is to provide participants with an opportunity to gain practical experience in developing real-life projects. By working on sample projects, participants will be able to build a more comprehensive and robust understanding of the tools and technologies used in modern application development. While the program covers topics such as HTML and JavaScript, the primary goal is not to teach these technologies per se, but to provide a real-life scenario that participants can apply their knowledge and skills to.

Through this program, participants will gain valuable experience in creating basic applications using the tools and technologies they have learned. They will be given the opportunity to review relevant topics before commencing the project, ensuring that they have a solid foundation to build upon. The aim is to provide participants with a realistic, hands-on experience that they can take with them into their future careers.

It is important to note that this program is designed for students who have completed the HTML5 module. Participants are expected to have a solid understanding of the underlying principles of HTML and web development. While faculty assistance will be provided as required during lab sessions, it is essential that participants have a clear understanding of the subject matter to get the most out of the program.

The website that participants will create during this program serves as a valuable tool for the company, allowing them to access the international market and attract new customers. By working on a real-life scenario, participants will gain a better understanding of the challenges that companies face when developing applications for a global audience.

In summary, this program provides participants with a valuable opportunity to gain practical experience in developing real-life projects. By working on sample projects and applying their knowledge and skills to a real-life scenario, participants will build a more comprehensive and robust understanding of the tools and technologies used in modern application development. This program is designed for students who have completed the HTML5 module, and faculty assistance will be provided as required during lab sessions. Ultimately, the aim is to provide participants with a realistic, hands-on experience that they can take with them into their future careers.

REVIEW 1

Problem Definition

Rock Paradise is a store that specializes in crystals and gemstones. With the growing demand for online shopping, they are looking to establish their presence on the internet. To achieve this, they need a website that showcases their products in an organized manner, making it easy for customers to view and purchase the right product to meet their needs.

The website will be designed to display the various crystals and gemstones available at the store, including product details and pricing. Additionally, the website will feature a GeoLocation API (e.g., GoogleMaps) to provide customers with information on store locations. Feedback mechanisms will also be incorporated to allow customers to leave reviews and ratings for products they have purchased.

The website will be developed using HTML5, JavaScript, and Geolocation, ensuring that it is fully compatible with all leading browsers such as Chrome, IE, Firefox, etc. Several challenges need to be addressed in developing the website, including:

As more customers prefer online shopping, it is crucial to make it easy for them to find the product they need and make a purchase.

Not all customers are aware of the full range of products offered by Rock Paradise, leading to dissatisfaction when products do not meet their requirements or expectations.

Customers rely on reading reviews before purchasing products online, so it is essential to provide a platform for customers to share their experiences and ratings of products.

Existing customers may require assistance after installation, and Rock Paradise can provide support through phone or email. Additionally, many customers may prefer to visit the store to view the product before making a purchase.

The website will address these challenges, providing a seamless online shopping experience for customers while showcasing the full range of products offered by Rock Paradise. With this website, Rock Paradise aims to expand its reach and continue to provide high-quality products and customer service to its valued customers.

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:

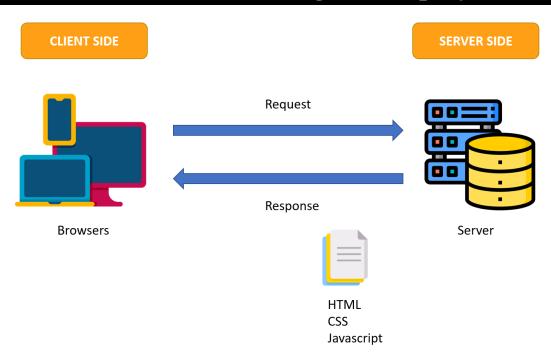
Software:

- Frontend: HTML5, CSS, Bootstrap, JavaScript, jQuery, AngularJS, XML
- Data Store: JSON files or TXT files
- Operating Portal: Windows
- Browsers: Edge, Chrome, Mozilla Firefox, Safari

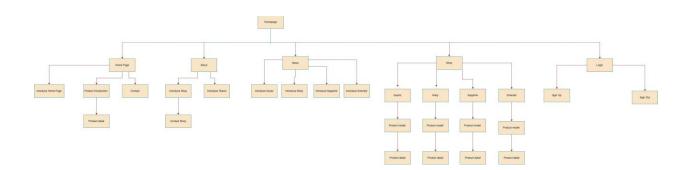
Hardware:

- Intel Core i3/i5 Processor or higher
- 8 GB RAM or above
- Color SVGA

Architecture and Design of the project



Site map



Website Design Layout

I. Homepage

Welcome to Rock Paradise, your source for Natural stone products.



Rock Paradise.

Home About News Shop Login











Just a short sentence. Write your own copy text here. This is just a demo text .





-LATEST COLLECTION Newest in Shop

Diamond:



Diamond LS 5.3mm E IF EX

\$ 4,657 \$ 5,013



Diamond LS 5.1mm D IF EX

\$ 4,634 \$ 4,982



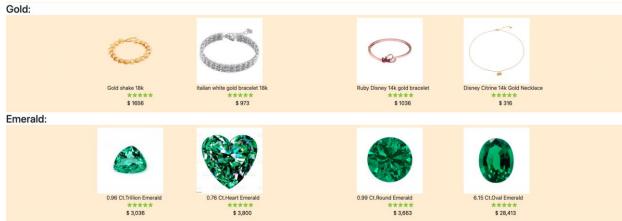
Diamond LS 5.5mm F VS1 EX

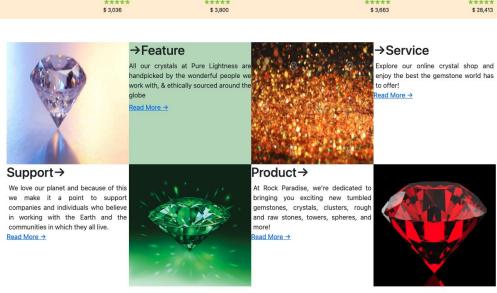
\$ 4,280 \$ 4,602

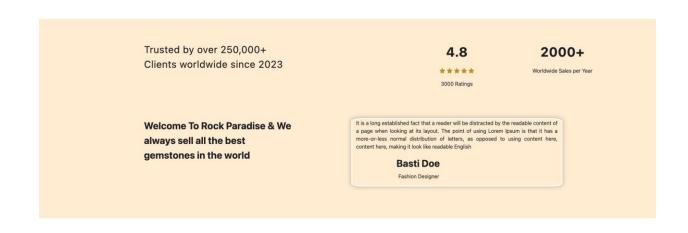


Diamond LS 5.0mm D VVS1 EX

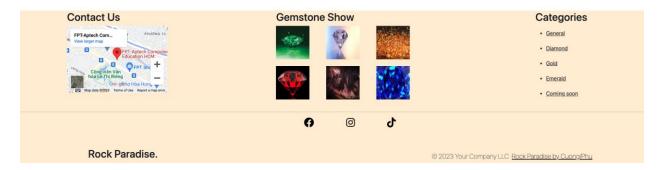
\$ 4,138 \$ 4,445





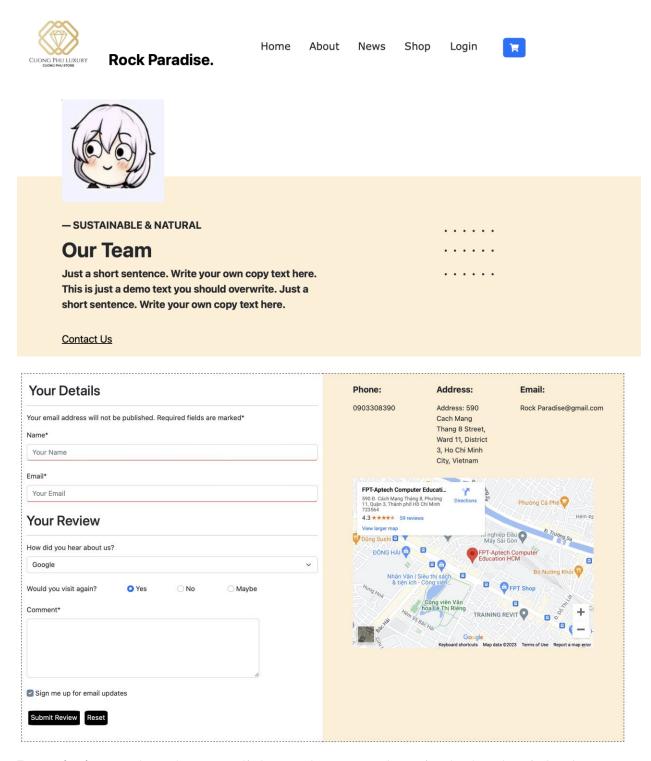






Description: This is a homepage of Rock Paradise, the top of this page is a header, after that is on the right a navigation bar and on the left is logo shop. The main part of a homepage beside the slider also includes 4 sections: notice about the shop's promotion information, Latest Collection (featuring Diamond, Gold, Emerald, and Services). The footer of the homepage contains four sections: Contact Us, Gemstones Show, Categories, and links to social media platforms Facebook, Instagram, and Tiktok. Additionally, the time is always displayed at the bottom of the webpage.

II. About



Description: When the user clicks on the menu about in the header, it leads to introduce our team and Contact us in page. This form introduce information the Us work in shop and Contact Shop.

III. News

- SUSTAINABLE & NATURAL

News

.

April 08, 2023

Golden Canary

The Golden Canary diamond was once displayed at the Dubai exhibition at DIFC, before being moved to Taipei (Taiwan), Geneva (Switzerland) and Hong Kong, and finally, will be brought to New York, USA, during Sotheby's Magnificent Jewels auction on December 7. In particular, the diamond is auctioned without a reserve price - meaning it will sell for whatever is the highest price of the day.

Read more

April 08, 2023

Goldchic Jewelry

Goldchic Jewelry is a jewelry brand that offers a wide range of high-quality and stylish jewelry pieces made from precious metals such as gold, silver, and platinum. The brand prides itself on its craftsmanship, attention to detail, and use of only the finest materials.

Read more

April 08, 2023

Beryl Emerald

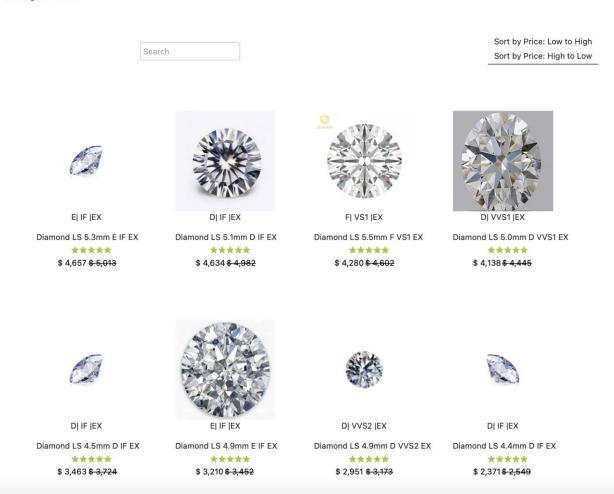
Emerald is the most fascinating member of the Beryl family. It is a green to a greenish-blue variety of Beryl. Mineral species Beryl consists of Aquamarine and other colors like red beryl, golden beryl, yellow beryl, orange beryl, pink Beryl also. Emeralds and Aquamarines are by far the most common and well-known varieties of Beryl.

Read more

Description: If the user want to read more about information and read news about NewestDiamond, NewestEmerald, NewestGemstones and NewestGold then the user clicks on Menu in header

IV. SHOP

Showing all 8 results



Description: When the user clicks on the Shop in Menu, it will lead to this page. The main part of this page contains 2 sections: Top brands and discounted items (including categories of each product). And users want to filter by product and search for products by letter, the user will click on the Search box on the left hand side. If the user wants to sort by product price, click on filter by price, it's on the right

V. Product Detail



Rock Paradise.

Home About News Shop Login



Home / Diamond LS 5.3 mm E IF EX



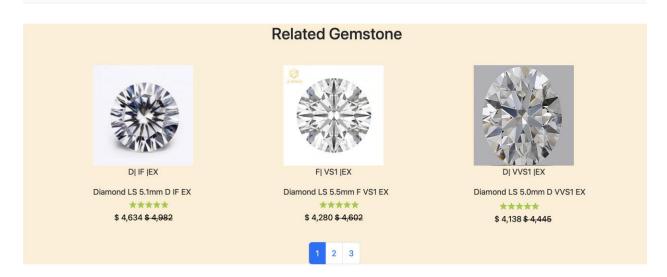
Diamond LS 5.3 mm E IF EX \$ 4,657

Diamond LS 5.3 mm E IF EX is made from natural diamonds, a non-renewable resource. However, when crafted into such a high-end piece of jewelry, it becomes an enduring piece of value, passed down through generations.

stocking

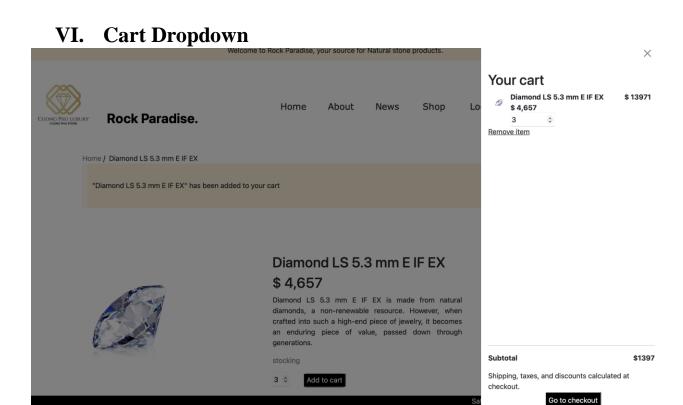


Add to cart

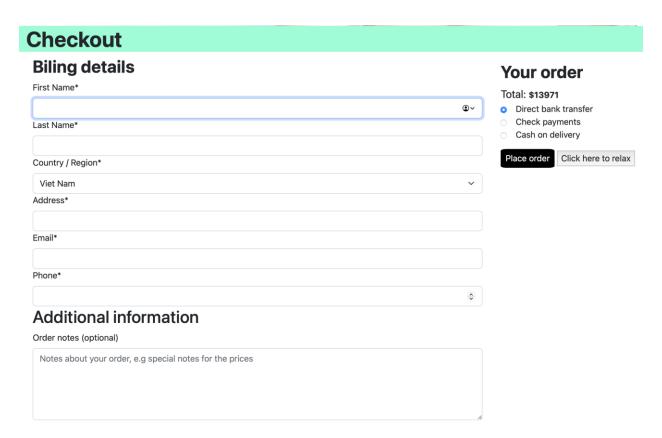


Description: When the user clicks on a specific product it will lead to this product detail page. Beside in detail information about the product, it also contains Call to Action buttons Buy now. Moreover, it also contains the Reviews part, this includes

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.



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



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.

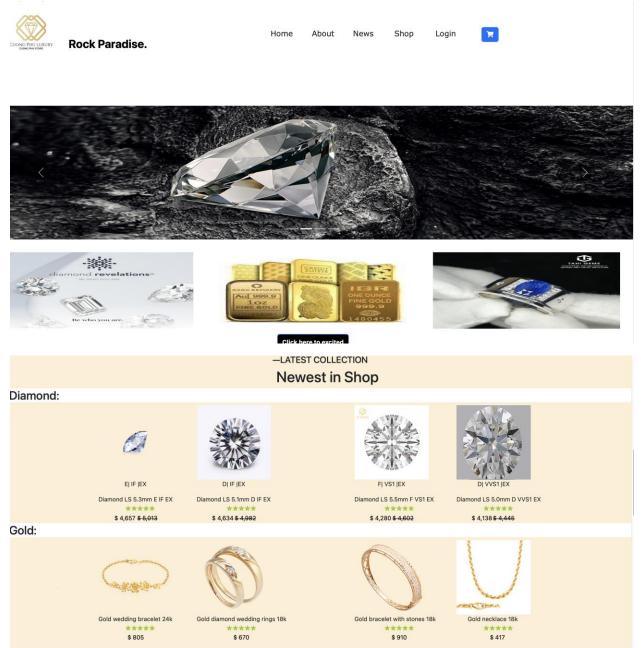
Task Sheet

Project Ref	Project Title –	Activity Plan	Date of preparation of Activity Plan			
Task	Ask Me Mobile	Prepared by	Actual Start Date	Actual Days	Teammate Names	Status
Brainstorming ideas for		Cường,	11/03/2023	1 days	Cường,	Completed
layouts and Project		Phú			Phú	
Object						
Draw site maps and		Phú	11/03/2023	1 days	Phú	Completed
architecture design						
Wire framing general		Cường	16/03/2022	3 days	Cường	Completed
page layout						
Collect static assets		Phú	16/03/2022	5 days	Phú	Completed
(pictures,						
documentation,)						

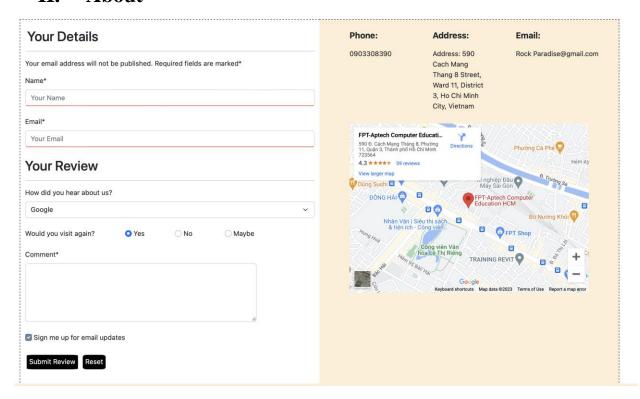
REVIEW 2

WEBSITE USER INTERFACE

I. Homepage



II. About



III. News



Rock Paradise.

Home About News

s Shop

Login



Golden Canary

The Golden Canary diamond was once displayed at the Dubai exhibition at DIFC, before being moved to Taipei (Taiwan), Geneva (Switzerland) and Hong Kong, finally, will be brought to New York, USA, in Sotheby's Magnificent Jewels auction on December 7. In particular, the diamond is auctioned without a reserve price – meaning it will sell for whatever is the highest price of the day.

Deep yellow in colour, the Golden Canary is part of a large rough, weighing almost 890 carats, found by a little girl while playing in her uncle's garden in the ruins of the Republic of Congo in the 1980s. The largest diamond ever found, it took almost 5 years to cut it into 15 small stones. The largest piece, measuring 407.5 carats in a shield cut, was named the Incomparable Diamond, making it the largest flawless diamond ever classified by the Gemological Institute of America and displayed at numerous exhibitions.

Recently, however, the owner of Incomparable Diamond recut the diamond into the classic pear shape to add more color and vibrancy, and renamed it Golden Canary, according to The National News. Re-cutting the diamond as it is now has increased brilliance, giving the diamond a new look. "Professionals take advantage of available advances in technology, computational modeling, and visual assessment to reshape the diamond," the Gemological Institute of America said in its grading report. Everything from the orientation to the shape and the cut is well thought out."

IV. Shop



Rock Paradise.

Home

About

News Shop

p Login

Home / Shop

Shop

Showing all 8 results

Search

Sort by Price: Low to High Sort by Price: High to Low



E| IF |EX

Diamond LS 5.3mm E IF EX

\$ 4,657 \$ 5,013



Diamond LS 5.1mm D IF EX

\$ 4,634 \$ 4,982



F| VS1 |EX

Diamond LS 5.5mm F VS1 EX

\$ 4,280 \$ 4,602



Diamond LS 5.0mm D VVS1 EX

\$ 4,138 \$ 4,445

Shop

Showing all 8 results

Sort by Price: Low to High Search Sort by Price: High to Low THE NAME OF Gold wedding bracelet 24k Gold bracelet with stones 18k Gold necklace 18k Gold diamond wedding rings 18k **** **** **** **** \$805 \$ 670 \$ 910 \$ 417

Shop

Showing all 8 results

Search

Sort by Price: Low to High Sort by Price: High to Low



0.96 Ct.Trillion Emerald **** \$ 3,036



0.76 Ct.Heart Emerald **** \$ 3,800



0.99 Ct.Round Emerald **** \$ 3,663



6.15 Ct.Oval Emerald **** \$ 28,413











Search

Sort by Price: Low to High Sort by Price: High to Low



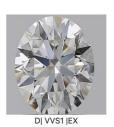
E| IF |EX Diamond LS 5.3mm E IF EX **** \$ 4,657 \$ 5,013



Diamond LS 5.1mm D IF EX **** \$ 4,634 \$ 4,982



F| VS1 |EX Diamond LS 5.5mm F VS1 EX **** \$ 4,280 \$ 4,602



Diamond LS 5.0mm D VVS1 EX **** \$ 4,138 \$ 4,445









V. Product Detail



Rock Paradise.



Diamond LS 5.1mm D IF EX \$ 4,634

Diamond LS 5.1mm D IF EX is a beautiful natural diamond.

Add to cart

Home

About

News

Shop

Login

<u>Description</u> <u>Reviews</u>

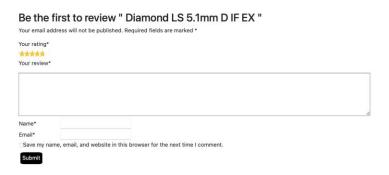
Diamond LS 5.1mm D IF EX is a beautiful natural diamond with 5.1mm diameter, D color (transparent), IF (internally flawless) transparency and graded with EX (excellent) quality. by the Gemological Society of America.

This diamond has a mass of about 1 carat and is mined from the famous diamond mine in the world. Delicately polished to

This diamond has a mass of about 1 carat and is mined from the famous diamond mine in the world. Delicately polished to enhance its luminosity and sparkle, the Diamond LS 5.1mm D IF EX is regarded as one of the most stunning diamonds on the market.

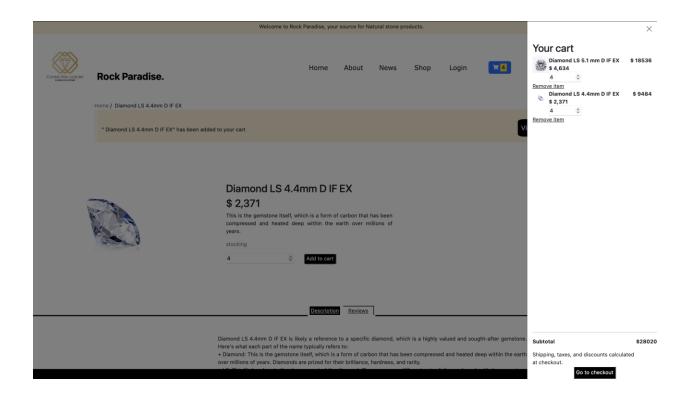
If you are looking for a special gift or want to invest in a high-end diamond, the Diamond LS 5.1mm D IF EX will be a perfect choice. The rarity and uniqueness of this diamond is sure to please any jewelry lover and increase the value of any diamond collection.

Description	Reviews

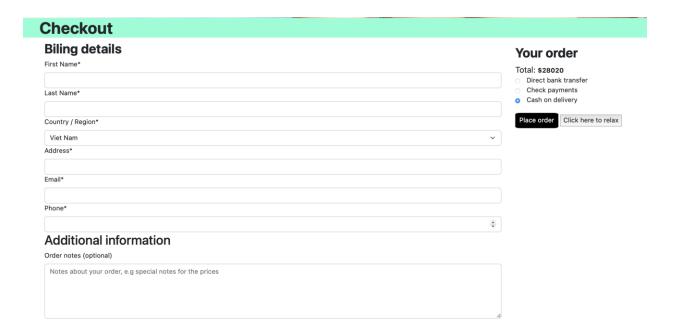




VI. Cart Dropdown



VII. Check out



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
Brainstorming	ideas for	Cường,	18/03/2023	1 days	Cường,	Completed
layouts and Pro	oject	Phú		-	Phú	_
Object						
Draw site maps	s and	Phú	18/03/2023	1 days	Phú	Completed
architecture de	sign					
Wire framing g	general	Cường	18/03/2023	3 days	Cường	Completed
page layout						
Collect static a	ssets	Cường,	19/03/2023	5 days	Cường,	Completed
(pictures, mp4,		Phú			Phú	
documentation,)						
Design & Build		Cường,	20/03/2023	8 days	Cường,	Completed
Homepage		Phú		-	Phú	_
Design & Build About		Phú	21/03/2023	2 days	Phú	Completed
Design & Build Shop		Cường,	24/03/2023	5 days	Cường,	Completed
Pages:(Total Shop,		Phú			Phú	
Diamond Shop, Gold						
Shop, Emerald Shop)						
Design & Build	d	Cường	25/03/2023	4 days	Cường	Completed
Product Search Page/						
Product arrange	ements					
Design & Build	d	Phú	26/03/2023	4 days	Phú	Completed
Product Detail						
Design & Build	d About	Cường	28/03/2023	3 days	Cường	Completed
Product Compa	arison	Phú	04/04/2023	1 days	Phú	Completed
Write Project F	Report	Cường,	06/04/2022	2 days	Cường,	Completed
, i		Phú			Phú	

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