INTRODUCTION

Sea shell marts are the most unique and familiar idea. One can see rows and rows of sea shell shops selling different shapes and sizes that suit every kind of budget. Apart from individual shells that come in different sizes, the sea shell marts are full of products made from sea shells such as mirrors, wall hangers, shell curtains that can be used as a separators in a home, watches, shell jewelry, shell lamps, shell key chains, shell pen holders, shell carvings and even hair accessories made out of shells.

The fishing community considers sea shell collecting as a part of fishing process and it provides additional income. They sell the shells to the shell marts as raw materials at a very low price, which is then cleaned, further processed and sold at a gross margin of 75-100%. The fisherman and the people in villages near the sea who collect the shells are aware of the profits earned by shell marts.

As these people are not aware of the business aspects and are not able to invest money they keep themselves away from such profitable and challenging business. The women in these villages in addition to collecting the shells are also skilled in making primitive hand crafted shell products. In some villages, the shell marts themselves outsource the work by providing the raw materials to the women in the villages and collect the partly finished products from them and assemble final products at their manufacturing unit.

In certain cases the women themselves buy the raw materials from the shell marts and sell the finished product again to the shell marts at a very minimum price. For example, they get raw materials worth of Rs.150 and make around 3 dozens of shell garlands and sell those garlands for Rs.90 per dozen. The same garland is sold at the retail shop for Rs.40-60 per piece.

REQUIREMENT ANALYSIS

INTRODUCTION:

To be used efficiently, all computer software needs certain hardware components or other software resources to be present on a computer. These prerequisites are known as(computer) system requirements and are often used as a guideline as opposed to an absolute rule. Most software defines two sets of system requirements: minimum and recommended. With the increasing demand for higher processing power and resources in newer versions of software, system requirements tend to increase over time. Industry analysts suggest that this trend plays a bigger part in driving upgrades to exist computer systems than technological advancements.

HARDWARE REQUIREMENTS

The most common set of requirements defined by any operating system or software application is the physical computer resources, also known as hardware. A hardware requirements list is often accompanied by a hardware compatibility list (HCL), especially in the case of operating systems. An HCL lists tested, compatibility, and sometimes incompatible hardware devices for a particular operating system or application. The following subsections discuss the various aspects of hardware requirements.

HARDWARE REQUIREMENTS FOR THE PRESENT PROJECT:

Processor: Intel dual Core, i5

RAM: 8 GB

Hard Disk: 250 GB

SOFTWARE REQUIREMENTS:

Software Requirements deal with defining software resource requirements and prerequisites that need to be installed on a computer to provide optimal functioning of an application. These requirements or pre-requisites are generally not included in the software installation package and need to be installed separately before the software is installed.

SOFTWARE REQUIREMENTS FOR PRESENT PROJECT:

Operating System: Windows 10

Front End: HTML, CSS, JavaScript query

Server-Side Script: PHP

Database: MySQL

SOFTWARE REQUIREMENT SPECIFICATION

HTML:

HTML or **HYPERTEXT MARKUP LANGUAGE** is the standard markup language used to create web pages.

HTML is written in the form of HTML elements consisting of *tags* enclosed in angle brackets (like <html>). HTML tags most commonly come in pairs like <h1> and </h1>, although some tags represent empty elements and so are unpaired, for example <img>. The first tag in a pair is the *start tag*, and the second tag is the *end tag* (they are also called *opening tags* and *closing tags*). Though not always necessary, it is best practice to append a slash to tags that are not paired with a closing tag.

The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags but uses the tags to interpret the content of the page. HTML describes the structure of a website semantically along with cues for presentation, making it a markup language rather than a programming language. HTML elements form the building blocks of all websites. HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes, and other items. It can embed scripts written in languages such as JavaScript which affect the behavior of HTML web pages.

CASCADING STYLE SHEETS (CSS):

It is a style sheet language used for describing the look and formatting of a document written in a markup language. While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG, and XUL. CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation. CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content.

CSS can also allow the same markup page to be presented in different styles for different rendering

methods, such as on-screen, in print, by voice (when read out by a speech-based browser or screen reader), and on Braille-based, tactile devices. It can also be used to allow the web page to display differently depending on the screen size or device on which it is being viewed. While the author of a document typically links that document to a CSS file, readers can use a different style sheet, perhaps one on their computer, to override the one the author has specified. However, if the author or the reader did not link the document to a specific style sheet the default style of the browser will be applied.

MySQL:

MySQL is developed, distributed, and supported by Oracle Corporation. MySQL is a database system used on the web that runs on a server. MySQL is ideal for both small and large applications. It is very fast, reliable, and easy to use. It supports standard SQL.

MySQL can be compiled on several platforms. The data in MySQL is stored in tables. A table is a collection of related data.

JAVASCRIPT:

JavaScript is the scripting language of the Web. All modern HTML pages are using JavaScript. A scripting language is a lightweight programming language. JavaScript code can be inserted into any HTML page, and it can be executed by all types of web browsers. JavaScript is easy to learn.

PHP:

PHP is a general-purpose scripting language geared towards web development. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for ***Personal Home Page,*** but it now stands for the recursive initialism ***PHP: Hypertext Preprocessor***. PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon, or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code – which may be any type of data, such as generated HTML or binary image data – would form the whole or part of an HTTP response.

ANALYSIS AND DESIGN

ER Diagram stands for Entity Relationship Diagram, also known as ERD is a diagram that displays the relationship of entity sets stored in a database. In other words, ER diagrams help to explain the logical structure of databases. ER diagrams are created based on three basic concepts: entities, attributes and relationships.

ER Diagrams contain different symbols that use rectangles to represent entities, ovals to define attributes and diamond shapes to represent relationships. At first look, an ER diagram looks very similar to the flowchart. However, ER Diagram includes many specialized symbols, and its meanings make this model unique. The purpose of ER Diagram is to represent the entity framework infrastructure.

What is ER Model?

ER Model stands for Entity Relationship Model is a high-level conceptual data model diagram. ER model helps to systematically analyze data requirements to produce a well-designed database. The ER Model represents real-world entities and the relationships between them. Creating an ER Model in DBMS is considered as a best practice before implementing your database. ER Modeling helps you to analyze data requirements systematically to produce a well-designed database. So, it is considered a best practice to complete ER modeling before implementing your database.

Why use ER Diagrams?

Here, are prime reasons for using the ER Diagram:

- Helps you to define terms related to entity relationship modeling
- Provide a preview of how all your tables should connect, what fields are going to be on each table
- Helps to describe entities, attributes, relationships
- ER diagrams are translatable into relational tables which allows you to build databases quickly
- ER diagrams can be used by database designers as a blueprint for implementing data in specific software applications
- The database designer gains a better understanding of the information to be contained in the database with the help of ERP diagram

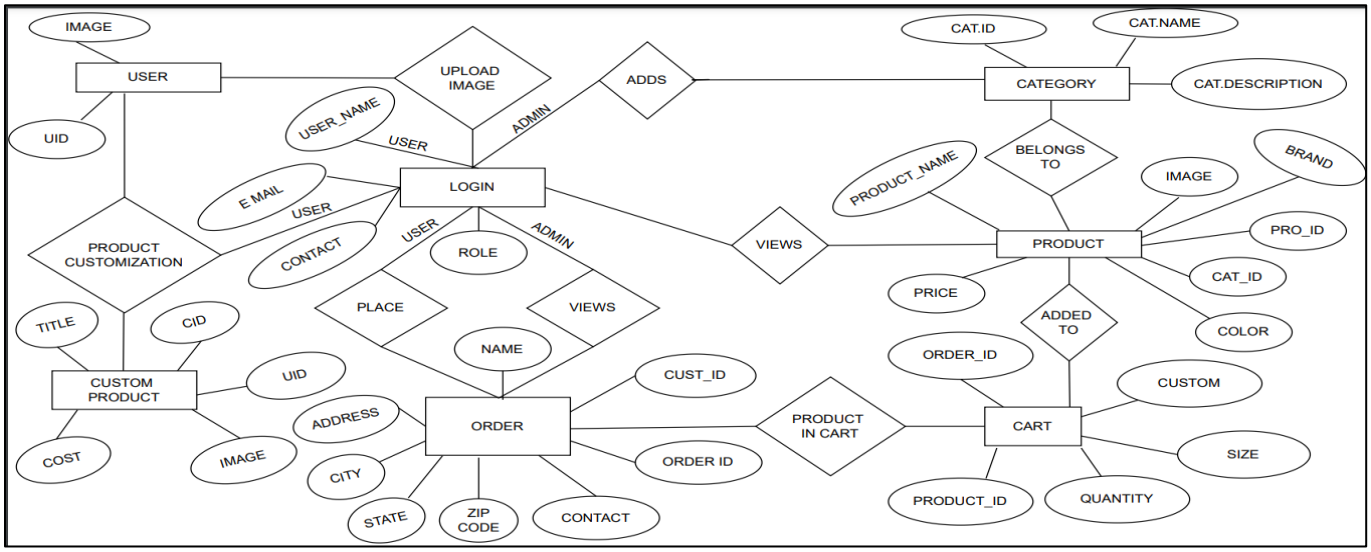
- ERD Diagram allows you to communicate with the logical structure of the database to users

ER Diagrams Symbols & Notations

Entity Relationship Diagram Symbols & Notations mainly contains three basic symbols which are rectangle, oval and diamond to represent relationships between elements, entities and attributes. There are some sub-elements which are based on main elements in ERD Diagram. ER Diagram is a visual representation of data that describes how data is related to each other using different ERD Symbols and Notations.

Following are the main components and its symbols in ER Diagrams:

- **Rectangles:** This Entity Relationship Diagram types
- **Lines:** It links attributes to entity types and entity types with other relationship types
- **Primary key:** attributes are underlined
- **Double Ellipses:** Represent multi-valued attributes



Data Flow Diagrams

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It can be manual, automated, or a combination of both.

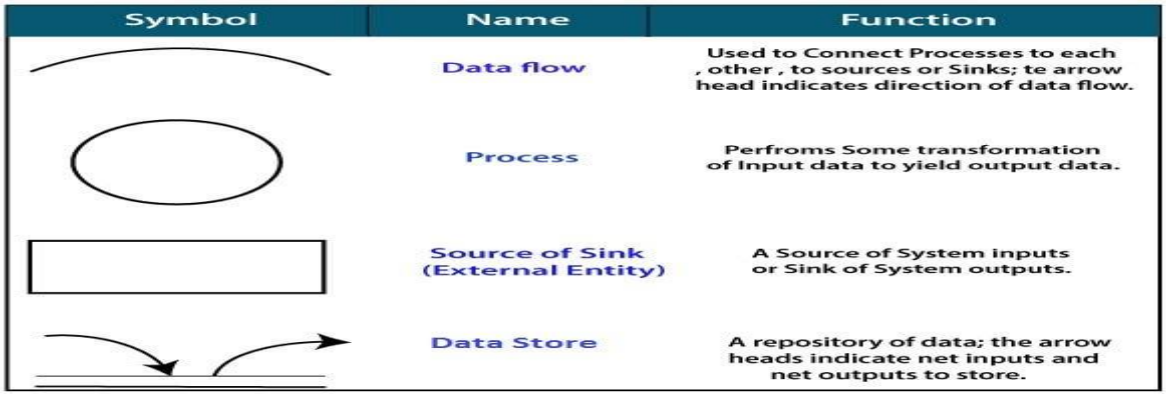
It shows how data enters and leaves the system, what changes the information, and where data is stored.

The objective of a DFD is to show the scope and boundaries of a system as a whole. It may be used as a communication tool between a system analyst and any person who plays a part in the order that acts as a starting point for redesigning a system. The DFD is also called as a data flow graph or bubble chart.

The following observations about DFDs are essential:

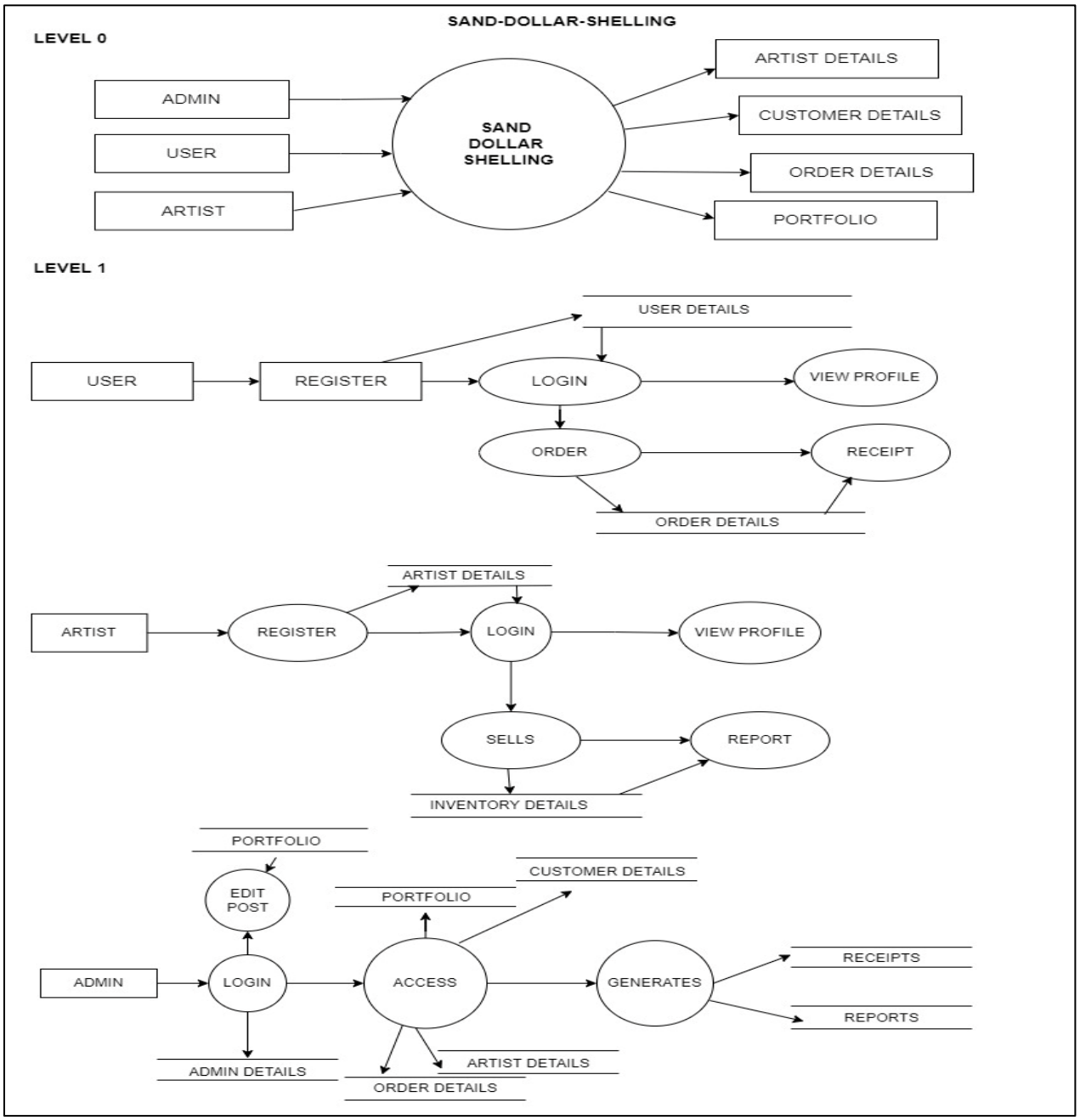
1. All names should be unique. This makes it easier to refer to elements in the DFD.
2. Remember that DFD is not a flow chart. Arrows is a flow chart that represents the order of events; arrows in DFD represents flowing data. A DFD does not involve any order of events.
3. Suppress logical decisions. If we ever have the urge to draw a diamond-shaped box in a DFD, suppress that urge! A diamond-shaped box is used in flow charts to represents decision points with multiple exists paths of which the only one is taken. This implies an ordering of events, which makes no sense in a DFD.
4. Do not become bogged down with details. Defer error conditions and error handling until the end of the analysis.

Standard symbols for DFDs are derived from the electric circuit diagram analysis and are shown in fig:



Symbols for Data Flow Diagrams

- **Circle:** A circle (bubble) shows a process that transforms data inputs into data outputs.
- **Data Flow:** A curved line shows the flow of data into or out of a process or data store.
- **Data Store**: A set of parallel lines shows a place for the collection of data items. A data store indicates that the data is stored which can be used at a later stage or by the other processes in a different order. The data store can have an element or group of elements.
- **Source or Sink:** Source or Sink is an external entity and acts as a source of system inputs or sink of system outputs.



Data Tables

A data table is a range of cells in which you can change values in some of the cells and come up with different answers to a problem. A good example of a data table employs the PMT function with different loan amounts and interest rates to calculate the affordable amount on a home mortgage loan. Experimenting with different values to observe the corresponding variation in results is a common task in data analysis.

Signup	
id	int(3)
name	varchar(20)
email	varchar(20)
phone	varchar(10)
dob	date
gender	varchar(10)
addr	varchar(50)
pswd	varchar(5)
cpswd	varchar(5)

Admin	
id	int(3)
name	varchar(30)
email	varchar(50)
phone	varchar(10)
addr	varchar(60)
pswd	varchar(5)

producttb	
product_name	varchar(100)
product_price	varchar(100)
product_image	varchar(100)
id	int(3)

order_manager	
name	varchar(30)
phone	varchar(10)
addr	varchar(30)
pay_mode	varchar(30)
id	int(3)

query	
name	varchar(30)
email	varchar(30)
inquiry	varchar(20)
message	varchar(200)
id	int(3)

IMPLEMENTATION

Implementation is the stage of the project when the theoretical design is turned out into a working system. Thus, it can be considered to be the most critical stage in achieving a successful new system and in giving the user confidence that the new system will work and be effective. The implementation stage involves careful planning, investigation of the existing system and its constraints on implementation, designing of methods to achieve changeover, and evaluation of changeover methods.

CODING

Index.php

```
<?php
session_start();
require_once ('php/CreateDb.php');
require_once ('./php/component.php');
// create instance of Createdb class
$database = new CreateDb("project", "Producttb");
if (isset($_POST['add'])){
 /// print_r($_POST['id']);
if(isset($_SESSION['cart'])){
$item_array_id = array_column($_SESSION['cart'], "id");
if(in_array($_POST['id'], $item_array_id)){
echo "<script>alert('Product is already added in the cart..!')</script>";
 echo "<script>window.location = 'index.php'</script>";
}else{
$count = count($_SESSION['cart']);
$item_array = array(
'id' => $_POST['id']);}}else{
$item_array = array(
 'id' => $_POST['id']);
// Create new session variable
$_SESSION['cart'][0] = $item_array;
```

```
print_r($_SESSION['cart']);
}
}
?
>
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>SAND-DOLLAR-SHELLING</title>
<link href="https://fonts.googleapis.com/css2?family=Source+Sans+Pro&display=swap" rel="stylesheet"> <!-- https://fonts.google.com/ -->
<link rel="stylesheet" href="fontawesome/css/all.min.css"> <!-- https://fontawesome.com/ ->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<link rel="stylesheet" href="css/magnific-popup.css">
<link rel="stylesheet" href="css/templatemo-ocean-vibes.css">
</head>
<body bgcolor="black">
<header class="tm-site-header">
<h1 class="tm-mt-0 tm-mb-15"><span class="tm-color-primary"><img src="img/logo.jpg" alt="Image" height=40px width="60px"/> SAND-DOLLAR-SHELLING</span>
</h1>
</header>
<header class="tm-site-header1" style="margin-left:70%;">
<a href="sign.php"><button style="font-size:20px;background-color: rgb(37, 122, 179);height:50px;width: 100px;cursor:pointer; color:yellow;font-weight: bold;">SignUp</button></a>
<a href="login.php"><button style="font-size:20px;background-color: rgb(37, 122, 179);height:50px;width: 100px;cursor:pointer; color:yellow;font-weight: bold;">
LogIn
</button>
```

```
</a>
 <a href="cart.php"><button style="font-size:20px;background-color: rgb(37, 122, 179);height:50px;width: 130px;cursor:pointer; color:yellow;font-weight: bold;"><i class="fas fa-shopping-cart"></i> Cart : <?php
if (isset($_SESSION['cart']))
{
$count = count($_SESSION['cart']);
echo "<span id=\"cart_count\" class=\"text-warning bg-light\">$count</span>";
}else{
 echo "<span id=\"cart_count\" class=\"text-warning bg-light\">0</span>";}?></button></a>
</header>
<!-- Video banner 400 px height -->
<div id="tm-video-container">
 <video autoplay muted loop id="tm-video">
<source src="video/ocean-sea-wave-video.mp4" type="video/mp4">
</video>
<i id="tm-video-control-button" class="fas fa-pause">
</i>
</div>
<div class="tm-container">
<nav class="tm-main-nav">
<ul id="inline-popups">
<li class="tm-nav-item">
<a href="#intro" data-effect="mfp-move-from-top" class="tm-nav-link">Introduction
<i class="fas fa-3x fa-water">
</i>
</a>
</li>
<li class="tm-nav-item">
<a href="#testimonials" data-effect="mfp-move-from-top" class="tm-nav-link">Our Sources
<i class="far fa-3x fa-smile"></i>
</a>
</li>
```

```
<li class="tm-nav-item">
<a href="#gallery" data-effect="mfp-move-from-top" class="tm-nav-link" id="tm-gallery-link">Our Products
<i class="far fa-3x fa-images"></i></a></li><li class="tm-nav-item">
<a href="#about" data-effect="mfp-move-from-top" class="tm-nav-link"> About Us
<i class="fas fa-3x fa-tint"></i></a></li>
<li class="tm-nav-item">
<a href="#contact" data-effect="mfp-move-from-top" class="tm-nav-link">Contact Us
<i class="far fa-3x fa-comments"></i></a></li></ul></nav><!-- Popup itself -->
<div id="intro" class="popup mfp-with-anim mfp-hide tm-bg-gray">
<a href="#" class="tm-close-popup">Home<i class="fas fa-times"></i></a>
<div class="tm-row tm-intro1-row">
<img src="img/intro1.jpg" alt="Image" class="tm-intro1-img">
<div class="tm-col tm-bg-white tm-intro-pad">
<h2 class="tm-color-primary tm-page-title">Introducing Sea Vibes</h2>
<div class="tm-row tm-content-row">
 <div class="tm-col-6 tm-intro-col-l">
<p style="text-align: justify;">
```

The phrase “the Seven Seas” has been around for centuries, but that term really refers to different parts of the ocean and several other large bodies of water. There are actually more than seven seas in the world. But what makes a sea different from other bodies of water?

```
<p style="text-align: justify;">
```

That is not an easy question to answer, because the definition of a sea leaves some room for interpretation.In general, a sea is defined as a portion of the ocean that is partly surrounded by land. Given that definition, there are about 50 seas around the world. But that number includes water bodies not always thought of as seas, such as the Gulf of Mexico and the Hudson Bay.

Moreover, in some cases, a sea is completely landlocked. The Caspian Sea is the most famous example, though this sea, which lies between Russia and Iran, is also referred to as the world’s largest lake. Other seas surrounded by land include the Aral Sea and the Dead Sea. They contain saltwater and have been called seas for many years, but many oceanographers and geographers are more inclined to call them lakes.

```
</div>
```

```
<div class="tm-col-6">
<p style="text-align: justify;">
A sea can also be very warm for most of the year. The Red Sea, for instance, has an average temperature of around 30 degrees Celsius (86 degrees Fahrenheit). It is also the saltiest sea, containing 41 parts of salt per 1,000 parts of seawater. Seas can be quite cold, too. The Greenland Sea, for instance, has surface water that hovers near the freezing mark most of the year. </p><p style="text-align: justify;">
The variety of the sizes, temperatures, and locations of the Earth’s seas also means that the marine ecosystems within each sea can vary greatly from one to the other. The Baltic Sea in Scandinavia is the world’s youngest sea having formed between 10 thousand and 15 thousand years ago from glacial erosion. It contains a unique mixture of saltwater and freshwater, making it the largest brackish water body on the planet. As a result, the Baltic Sea contains a small, but rare variety of freshwater and saltwater plants and animals that have been able to adapt to their brackish environment.</p><div class="tm-text-center">
<a href="#" class="tm-btn tm-btn-primary mfp-prevent-close tm-btn-next">Next Page
</a>
</div>
</div>
</div>
</div>
</div>
</div>
<div id="gallery" class="popup mfp-with-anim mfp-hide tm-bg-gray" >
<a href="#" class="tm-close-popup">Home<i class="fas fa-times"></i></a>
<div class="tm-row tm-gallery-row" >
<div class="tm-gallery" style="overflow:scroll">
<div class="tm-gallery-container">
<?php require_once ("php/header.php"); ?>
<div class="" style="display:flex;flex-wrap: wrap;padding:10px;">
<?php
$result = $database->getData();
while ($row = mysqli_fetch_assoc($result))
{
```

```
component($row['product_name'], $row['product_price'], $row['product_image'], $row['id']);
}?>
</div>
</div>
</div>
</div>
<!-- Gallery navigation and description -->
<div class="tm-col tm-gallery-right">
<h2 class="tm-color-primary tm-mt-35 tm-page-title">Our Products</h2>
<div class="tm-gallery-right-inner">
<ul class="tm-gallery-links" style="color: grey;">
<li><i class="fa fa-circle tm-gallery-link-icon"></i>Ornaments</li>
<li><i class="fa fa-circle tm-gallery-link-icon"></i>Mollusks Shells</li>
<li><i class="fa fa-circle tm-gallery-link-icon"></i>Arthropods</li>
 <li><i class="fa fa-circle tm-gallery-link-icon "></i>Brachiopods</li></ul>
<p><h4>Why Should One Buy SeaShells?</h4></p>
<p>Sea shells also provide relief from stress and offer a protective shield. Shells are also a symbol of good communication, positive and healthy relationships and prosperity.
<ul style="color: grey;">
<li>For strengthening marital relations</li>
<li>For protecting your home</li>
<li>For good luck</li>
<li>For a stable career</li>
<li>For greater wealth</li>
</ul>
</p>
</div>
</div>
</div>
</div>
<div id="testimonials" class="popup mfp-with-anim mfp-hide tm-bg-gray">
<a href="#" class="tm-close-popup">Home
<i class="fas fa-times"></i></a>
```

<h2 class="tm-color-primary tm-mt-35 tm-page-title">Our Sources</h2>

<h4>PURI SEA BEACH</h4>

Puri Beach or the Golden beach is a beach in the city of Puri in the state of Odisha, India. It is on the shore of the Bay of Bengal. It is known for being a tourist attraction and a Hindu sacred place. The beach is the site of the annual Puri Beach Festival, which is co-sponsored by the Indian Ministry of Tourism, the city of Odisha, the Development Commissioner of Handicrafts, and the Eastern Zonal Cultural Center, Kolkata. The beach hosts sand art displays, including work by international award-winning local sand artist Sudarshan Pattnaik. <h4>PARADISE BEACH</h4>

Paradise Beach or Plage Paradiso as it is known, is a popular tourist destination of Chunnambar. This Pondicherry beach got its name because of the peaceful experience it offers to its visitors. To access this beach, you need to take a boat ride from the town of Pondicherry. This is also one of the reasons why the beach got its current identity. This isolated beach of Pondicherry is a great weekend respite to enjoy with your family, friends, and relatives.
<h4>ROCK BEACH</h4>

Rock Beach is one of Pondicherry's best-kept and most popular beaches. There is a rock beach as well as a sandy area where one can walk right up to the water. Only pedestrians are permitted on the beach; No vehicular traffic is permitted. We had a wonderful walk on the road which is parallel to the beach and is an approximately 1.2-kilometer-long road that starts at the war memorial and ends at Dupleix Park on Goubert Avenue. We also saw the French war memorial, the Chief Secretariat, the Mahatma Gandhi statue, the old harbor, and the old pier. We had a pleasant experience while we sitting on the rocks and relaxing. A visit is certainly worthwhile.

<img src="img/testimonial-01.jpg" alt="Image" class="tm-mb-30">
<img src="img/testimonial-02.jpg" alt="Image" class="tm-mb-30">
<img src="img/testimonial-03.jpg" alt="Image" class="tm-mb-30">
<img src="img/testimonial-04.jpg" alt="Image" class="tm-mb-30">

```
<img src="img/testimonial-05.jpg" alt="Image" class="tm-mb-30">
<div class="tm-text-center">
<a href="#" class="tm-btn tm-btn-primary mfp-prevent-close tm-btn-contact">
Contact Us</a></div></div>
<div class="tm-col tm-testimonial-col tm-testimonial-col-2">
<h4>JUHU BEACH</h4>
<p style="text-align: justify;margin-top: -20px;">
Juhu Beach in Mumbai is among the famous beaches of India. It faces the Arabian Sea, and it's
the longest beach in Mumbai. The place is known for its street food stalls, the soothing views of
the sunset and also, for encounters with celebrities. The beach is a favourite among the film-
makers and you can find photo sessions and video shoots going on now and then. And if you visit
Juhu Beach early in the morning, you might catch up with the celebrities while they're jogging or
having coconut water there. Juhu Beach is in a posh area and many actors and actresses stay in the
locality. </p>
<h4>PANAMBUR BEACH</h4>
<p style="text-align: justify;margin-top: -20px;">
Panambur Beach is a beach in the city of Mangalore in the Indian state of Karnataka.This beach is
on the shores of Arabian sea and is credited as one of the safest and best maintained beaches of
India.It is the most popular, well connected and the most visited beach of Karnataka.The beach is
located in the place called Panambur 10 km north of the City center which comes under the
administration of Mangalore City Corporation. This beach has been popular for its sunsets, the port
area and a picnic spot for tourists and locals alike and offers views of the sunset. The beach attracts
visitors due to its close proximity to the city. The ships anchored out in the sea waiting for berth in
the harbor can be seen from the Beach.</p>
<h4>DIGHA BEACH</h4>
<p style="text-align: justify;margin-top: -20px;">
Digha is the most popular sea beach in West Bengal. It is located 187 km south-west of Kolkata.
The scenic beauty of this place is charming and alluring. The beach is girdled with casuarinas
plantations along the coast which enhances its beauty. Apart from beautification these trees also
help in reducing erosion of the dunes. One can enjoy both the sunrise and sunset at the Digha sea
beach.</p></div></div></div></div>
<div id="about" class="popup mfp-with-anim mfp-hide tm-bg-gray">
<a href="#" class="tm-close-popup">Home
```

</a>

<h2 class="tm-color-primary tm-about-col tm-mb-40 tm-page-title">About Sea Shell</h2>

<img src="img/about.jpg" alt="Image" class="tm-mb-30">

A seashell is a hard, protective exoskeleton formed by invertebrate animals who live in the sea and are often found washed up on beaches throughout the world. The most common animals which produce a seashell are mollusks, crabs, oysters, barnacles, brachiopods, annelid worms, and sea urchins. While most seashells are external, some species (e.g., cephalopods) exhibit internal seashells. Since the seashell is a part of the animal, empty shells signify that the animal has died by natural causes or has been consumed by another animal. Seashells are comprised of calcium carbonate and a small quantity of protein.

<h3><u>Formation of Sea Shell</u></h3>

Seashells are typically formed in distinct layers via the extracellular secretion of proteins which are then covered by calcium carbonate. Therefore, the shell grows from the bottom upwards, with the constant secretion of new material at the margin between the animal and the shell. The tissue responsible for shell formation is called the mantle. The mantle resides at the interface between the body of the animal and the shell. As the animal grows, the shell also grows and becomes increasingly strong, to accommodate the larger size of the animal and provide adequate protection. There are three distinct layers of the shell produced by the mantle:

<ol type="1">

<li>Outer Proteinaceous Periosteum</li>

<li>Prismatic Layer</li>

<li>Inner Pearly Layer</li></ol>

<h3>Outer Proteinaceous Periosteum</h3>

The outer proteinaceous periosteum is the non-calcified layer on the outer surface of the shell. It is composed of a thin, hard layer of dark protein which serves to protect the edge of the shell as it rows. This layer also provides the structural foundation on which the subsequent layers can be built and allows for the accumulation of calcium ions, which promotes crystallization.

<h3>Prismatic Layer</h3>

The prismatic layer forms the middle layer of the shell, which is comprised of a hard, prismatic calcium carbonate which exhibits a chalky appearance. The prismatic and the periosteum layers are formed by the same specialized mantle cells.

<h3>Inner Pearly Layer</h3>

The inner pearly layer is also calcified, but is a pearly lamellar substance which is formed by the epithelial cells of the mantle surface. Nacre is also referred to as “Mother of Pearl” and is known for its exceptional strength. Nacre is formed by the “brick-like” arrangement of calcium carbonate sheets interspersed with biopolymers which provides the shell with elasticity, strength, and resistance to cracking.

<h3><u>Types of Seashells</u></h3>

There are a wide variety of seashells, each distinguished by the species from which they are derived. By far the most common types of seashell encountered on beaches are those produced by mollusks. In addition to mollusks, various other species produce seashells, including sea urchins, corals, arthropods, and brachiopods. Each can be distinguished by their characteristic morphology.

<ol type="a">

<li>Mollusk Shells</li>

<li>Arthropods</li>

<li>Annelids</li>

<li>Brachiopods</li>

<li>Sea Urchins</li>

<li>Corals</li>

<li>Coccolithophore</li></ol>

<a href="#" class="tm-btn tm-btn-primary mfp-prevent-close tm-btn-contact tm-mb-40">

Contact Us</a>

<a href="#" class="tm-close-popup">Home</a>

<h2 class="tm-contact-col tm-color-primary tm-page-title tm-mb-40">Contact Us</h2>

<!-- Do you need a working HTML contact form?

```
Please visit https://templatemo.com/contact page -->
<form id="contact-form" action="" method="POST" class="tm-contact-form" onsubmit="return validate()">
<div class="form-group">
<input type="text" name="name" class="form-control rounded-0" placeholder="Full Name" required /></div>
<div class="form-group"><input type="email" name="email" class="form-control rounded-0" placeholder="Email" required /></div>
<div class="form-group">
<select class="form-control" id="contact-select" name="inquiry">
<option value=”order">Order Related</option>
<option value="product">Product Related </option>
<option value="payment">Payment Related</option></select></div>
<div class="form-group">
<textarea rows="8" name="message" class="form-control rounded-0" placeholder="Message" required=></textarea></div>
<div class="form-group tm-text-right">
<input type="submit" value="Send It Now" class="tm-btn tm-btn-primary" name="submit" id="submit" />
</div></form>
</div><div class="tm-col tm-contact-col tm-contact-col-r">
<!-- Map -->
<div class="mapouter tm-mb-40">
<div class="mapouter"><div class="gmap_canvas"><iframe class="gmap_iframe" frameborder="0"scrolling="no"marginheight="0"marginwidth="0"
src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d15557.626416146326!2d77.65436632696593!3d12.881555854638899!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x3a5363206885f325%3A0xaedaf9f59b42f221!2sRock%20Beach!5e0!3m2!1sen!2sin!4v1660153050104!5m2!1sen!2sin" width="600" height="450" style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade;
height=400&amp;hl=en&amp;q=bangalore&amp;t=&amp;z=9&amp;ie=UTF8&amp;iwloc=B&amp;output=embed"></iframe>
```

```
<a href="https://www.kokagames.com/fnf-friday-night-funkin-mods/">Friday Night Funkin Mods</a></div><style>
.mapouter{position:relative;text-align:right;width:600px;height:400px;}.gmap_canvas{overflow:hidden;background:none!important;width:600px;height:400px;}.gmap_iframe{width:600px!important;height:400px!important;}</style></div></div>
<!-- Address -->
<address class="tm-mb-40">
#256 Private Organisation, ABC Road<br>
Bangalore 560078
</address>
<!-- Links -->
<ul class="tm-contact-links">
<li>
<a href="tel:0100200340">
<i class="fas fa-phone tm-contact-link-icon"></i>
Mob: 9005846237</a></li><li>
<a href="mailto:sunandasadhukhan1@gmail.com">
<i class="fas fa-at tm-contact-link-icon"></i>
Email: contact@sanddollarshelling.com</a></li><li>
<a href="https://www.company.com">
<i class="fas fa-link tm-contact-link-icon"></i>
URL: www.sand_dollar_shelling.com
</a></li></ul></div></div></div></div>
<footer class="tm-footer">
<span>Copyright &copy; 2022 SAND-DOLLAR-SHELLING</span>
<span >
CONNECT WITH US
<a href="https://www.facebook.com/marketplace/item/2248908731951371/"><i class="fa fa-facebook" style="margin: 15px;"></i></a>
<a href="https://www.instagram.com/_sea.shell_2001/"><i class="fa fa-instagram" style="margin: 15px;"></i></a>
```

```
<a href="https://twitter.com/Nelowdrama"><i class="fa fa-twitter" style="margin: 15px;"></i></a>
<a href=" mailto:sunandasadhukhan674@gmail.com"><i class="fa fa-google-plus" style="margin: 15px;"></i></a>
<a href="https://youtu.be/HOiZrWtQ4Hg"><i class="fa fa-youtube" ></i></a>
</span>
</footer>
<script src="js/jquery-3.4.1.min.js"></script>
<script src="js/imagesloaded.pkgd.min.js"></script>
<script src="js/isotope.pkgd.min.js"></script>
<script src="js/jquery.magnific-popup.min.js"></script>
<script src="js/templatemo-script.js"></script></body></html>
```

Index.css

```
html { overflow-x: hidden; }
body {
    font-family: 'Source Sans Pro', sans-serif;
    font-size: 19px;
    line-height: 1.8em;
    overflow-x: hidden;}
p, span, em, a, address { color: #848586; }
h2, p {
    margin-top: 0;}
a:hover, a.active { color: #309AFD; }
.tm-btn {
padding: 10px 40px;
color: white;
background-color: #3299CD;
display: inline-block;
border: none;
cursor: pointer;
font-size: 1.2rem;
transition: all 0.3s ease;}
button.tm-btn {
```

```
padding: 15px 40px;}
.tm-btn:hover {
color: white;
background-color: #49b4e9;}
h1 { font-size: 3rem; }
em { display: block; }
div { box-sizing: border-box;}
.tm-mt-35 { margin-top: 35px; }
.tm-mb-0 { margin-bottom: 0; }
.tm-mb-15 { margin-bottom: 15px; }
.tm-mb-30 { margin-bottom: 30px; }
.tm-mb-40 { margin-bottom: 40px; }
.tm-mb-50 { margin-bottom: 50px; }
.tm-mb-80 { margin-bottom: 80px; }
.tm-text-center { text-align: center; }
.tm-text-right { text-align: right; }
.tm-color-primary { color: #309AFD; }
.tm-color-gray { color: #666768; }
.tm-color-gray-2 { color: #98999A; }
.tm-color-light-gray { color: #9E9FA0; }
.tm-bg-white { background-color: #FFF; }
.tm-bg-gray { background-color:#F9F5F4; }
blockquote { margin: 0 0 30px 10px; }
img { max-width: 100%; }
.tm-page-title { font-size: 30px; }
body, ul {
margin: 0;
padding: 0;}
a {
text-decoration: none;
transition: all 0.3s ease;}
.tm-mt-0 { margin-top: 0; }
.tm-site-header {
```

```
padding: 40px 70px 10px;}
.tm-site-header1 {
padding: 3px 5px 10px;
margin-left:60%;
margin-top: -60px;}
.tm-tagline {
font-size: 1.5rem;
margin-left: 130px;}
#tm-video-container {
max-height: 400px;
overflow: hidden;
background-color: #333;
margin-bottom: 50px;
position: relative;}
#tm-video {
width: 100%;
height: auto;}
#tm-video-control-button {
position: absolute;
bottom: 20px;
right: 20px;
z-index: 1000;
color: #e1e1e1;}
.tm-nav-item {
list-style: none;
margin: 22px;}
.tm-nav-link {
display: flex;
align-items: center;
flex-direction: column;
width: 200px;
height: 200px;
padding: 30px;
```

```
    border: 1px solid #D2D3D4;
    color: #999;
    box-sizing: border-box;}
    .tm-nav-link:hover,
    .tm-nav-link.active {
     color: #309AFD;}
    .tm-nav-link i {
    margin-top: 30px;
    color: #309AFD;}
    .tm-main-nav ul {
    display: flex;
    flex-wrap: wrap;
    margin-left: auto;
    margin-right: auto;}
    .tm-container {
    max-width: 1254px;
    padding-left: 15px;
    padding-right: 15px;
    margin: 0 auto 0px;}
    .tm-footer {
    display: flex;
    justify-content: space-between;
    padding: 25px;
    font-size: 0.9em;}
    .tm-close-popup {
    text-align: right;
    display: block;}
    .tm-close-popup i {
    margin-left: 10px;
    margin-right: 10px;}
    .tm-row {
    display: flex;}
    .tm-col-6 {
```

```
flex: 0 0 50%;}
.tm-intro-pad {
padding: 40px 55px 50px; }
.tm-intro-col-l {
margin-right: 40px;}
.popup {
position: relative;
padding: 12px 10px 35px;
width:auto;
max-width: 1200px;
margin: 0 auto;}
.mfp-move-from-top .mfp-with-anim {
opacity: 0;
transition: all 0.2s;
transform: translateY(-100px);}
.mfp-move-from-top.mfp-bg {
opacity: 0;
transition: all 0.2s;}
.mfp-move-from-top.mfp-ready .mfp-with-anim {
opacity: 1;
transform: translateY(0);}
.mfp-move-from-top.mfp-ready.mfp-bg {
opacity: 0.8;}
.mfp-move-from-top.mfp-removing .mfp-with-anim {
transform: translateY(-50px);
opacity: 0;}
.mfp-move-from-top.mfp-removing.mfp-bg {
opacity: 0;}
button.mfp-arrow {
display: none;}
.tm-intro1-img {
max-width: 500px;
max-height: 900px;}
```

```
.tm-gallery {
 flex: 0 0 68%;
 margin: 0 20px;}
 tm-gallery-container {
 position: relative;
 max-width: 800px;
 margin: 0 -10px;
 list-style: none;
 text-align: center;}
 .tm-paging {
 overflow: auto;
 margin-top: 25px;}
 .tm-paging li {
 list-style: none;}
 .tm-paging-link {
 display: flex;
 float: left;
 width: 40px;
 height: 40px;
 align-items: center;
 justify-content: center;
 background: white;
 color: #999;
 margin-right: 15px;
 margin-bottom: 15px;}
 a.tm-paging-link.active,
 a.tm-paging-link:hover {
 background: #309AFD;
 color: white;}
 .tm-gallery-right {
 flex: 0 0 26%;
 margin-left: 15px;}
 .tm-gallery-links {
```

```
 margin-left: 35px;
 margin-bottom: 55px;}
.tm-gallery-links li {
list-style: none;
margin-bottom: 20px;}
.tm-gallery-link-icon {
display: inline-block;
width: 30px;}
.tm-gallery-item {
overflow: hidden;
margin: 15px 10px;
min-width: 180px;
max-width: 180px;
max-height: 240px;
width: 25%;
background: #3085a3;
text-align: center;
cursor: pointer;}
.tm-gallery-container figure img {
position: relative;
display: block;
min-height: 100%;
max-width: 100%;
opacity: 0.9;}
.tm-gallery-container figure figcaption {
padding: 2em;
color: #fff;
text-transform: uppercase;
font-size: 1.25em;
-webkit-backface-visibility: hidden;
backface-visibility: hidden;}
.tm-gallery-container figure figcaption::before,
.tm-gallery-container figure figcaption::after {
```

```
pointer-events: none;}
.tm-gallery-container figure figcaption,
.tm-gallery-container figure figcaption > a {
position: absolute;
top: 0;
left: 0;
width: 100%;
height: 100%;}
.tm-gallery-container figure h2 {
word-spacing: -0.15em;
font-weight: 300;}
.tm-gallery-container figure h2 span {
font-weight: 800;}
.tm-gallery-container figure h2,
.tm-gallery-container figure p {
margin: 0;}
.tm-gallery-container figure p {
letter-spacing: 1px;
font-size: 68.5%;}
figure.effect-chico img {
-webkit-transition: opacity 0.35s, -webkit-transform 0.35s;
transition: opacity 0.35s, transform 0.35s;
-webkit-transform: scale(1.12);
transform: scale(1.12);}
figure.effect-chico:hover img {
opacity: 0.5;
-webkit-transform: scale(1);
transform: scale(1);}
figure.effect-chico figcaption {
padding: 1em;
box-sizing: border-box;
display: flex;
align-items: center;}
```

```
figure.effect-chico figcaption::before {
position: absolute;
top: 15px;
right: 15px;
bottom: 15px;
left: 15px;
border: 1px solid #fff;
content: '';
-webkit-transform: scale(1.1);
transform: scale(1.1);}
figure.effect-chico figcaption::before,
figure.effect-chico p {
opacity: 0;
-webkit-transition: opacity 0.35s, -webkit-transform 0.35s;
transition: opacity 0.35s, transform 0.35s;}
figure.effect-chico h2 {
padding: 20% 0 20px 0;
figure.effect-chico p {
color: white;
margin: 0 auto;
max-width: 200px;
-webkit-transform: scale(1.5);
transform: scale(1.5);}
figure.effect-chico:hover figcaption::before,
figure.effect-chico:hover p {
opacity: 1;
-webkit-transform: scale(1);
transform: scale(1);}
.tm-testimonials-inner {
padding: 0 20px 30px;}
.tm-testimonial-col {
flex: 0 0 33.3334%;
padding-left: 20px;
```

```
padding-right: 20px;}
.mapouter{
position:relative;
height:250px;
width:100%;}
.gmap_canvas {
overflow:hidden;
background:none!important;
height:250px;
width:100%;}
.tm-contact-row {
 max-width: 1045px;}
 .tm-about-col {
 margin-left: 40px;
 margin-right: 40px;
 max-width: 500px;}
 #contact {
 padding-bottom: 65px;}
 .tm-contact-col {
 flex: 0 0 50%;
 padding-left: 40px; }
 .tm-contact-col-r {
 padding-left: 0;
 padding-right: 30px;}
 .tm-contact-form {
 max-width: 350px;
 margin-left: 40px;
 margin-right: 40px;}
.form-control {
font-family: 'Source Sans Pro', sans-serif;
font-size: 1.2rem;
border: 1px solid #D5D6D7;
box-sizing: border-box;
```

```
padding: 15px;
width: 100%;}
.form-group {
margin-bottom: 25px;}
select:not([multiple]) {
-webkit-appearance: none;
-moz-appearance: none;
background-position: right 15px center;
background-repeat: no-repeat;
background-image: url(../img/select-arrow.png);
padding: 14px 20px;
padding-right: 20px;
color: #666;}
.tm-contact-links li {
list-style: none;
margin-bottom: 10px;}
.tm-contact-link-icon {
margin-right: 15px;}
address {
font-style: normal;}
@media (max-width: 850px) {
.tm-contact-row {
flex-direction: column;}
.tm-contact-col {
flex: 0 0 100%;
max-width: 100%;
padding-left: 30px;
padding-right: 30px;}
.tm-contact-form {
max-width: 100%;
margin-left: 0;
margin-right: 0;
margin-bottom: 50px;}}
```

```
@media (max-width: 700px) {
.tm-about-row {
flex-direction: column;    }
.tm-about-col {
flex: 0 0 100%;}}
@media (max-width: 1264px) {
.tm-main-nav ul {
max-width: 976px;  }}
@media (max-width: 1020px) {
.tm-main-nav ul {
max-width: 732px;}}
@media (max-width: 776px) {
.tm-main-nav ul {
max-width: 488px; }}
@media (max-width: 532px) {
.tm-main-nav ul {
max-width: 244px;}}
@media (max-width: 992px) {
.tm-testimonial-row {
flex-wrap: wrap;}
.tm-testimonial-col {
flex: 100%;
margin-bottom: 50px;}
.tm-testimonial-col:last-child {
margin-bottom: 0; }
.tm-testimonial-col-2 {
flex: 50%;}}
@media (max-width: 635px) {
.tm-testimonial-col-2 {
flex: 100%;}}
@media (max-width: 902px) {
.tm-gallery {
flex: 0 0 50%;    }
```

```
.tm-gallery-right {
flex: 0 0 38%;}}
@media (max-width: 805px) {
.tm-gallery-row {
flex-direction: column-reverse;}
.tm-gallery {
flex: 0 0 100%;}
.tm-gallery-right {
flex: 0 0 100%;
margin-left: 20px;
margin-right: 20px;}
.tm-gallery-right-inner {
display: flex;
flex-direction: column-reverse;}
.tm-gallery-links {
display: flex;
flex-wrap: wrap;
margin-top: 20px;
margin-bottom: 0;
margin-left: 0;}
.tm-gallery-links li {
margin-right: 20px;}}
@media (max-width: 850px) {
 .tm-content-row {
 flex-direction: column;}
 .tm-intro-col-l {
 margin-right: 0;}}
@media (max-width: 650px) {
.tm-intro-row {
flex-direction: column;}
.tm-intro1-img {
max-width: 100%;
max-height: none;}}
```

```
@media (max-width: 540px) {
.tm-footer {
flex-direction: column;
align-items: center;}}
@media (max-width: 558px) {
.tm-site-header {
padding-left: 30px;
padding-right: 30px;}
.tm-tagline {
margin-left: 30px;}}
.cart-icon{
padding-right:10px;
color: rgb(248, 228, 4);}
```

Login.php

```
<?php
session_start();
$host = "localhost";
$dbusername = "root";
$dbpassword = "";
$dbname = "project";
$con = new mysqli($host, $dbusername, $dbpassword, $dbname);
if(isset($_POST['submit'])){
$email = mysqli_real_escape_string($con, $_POST['email']);
$pswd = mysqli_real_escape_string($con, $_POST['pswd']);
$_SESSION["status"] = false;
if(!empty($email) && !empty($pswd) ){
$query = "select * from sign2 where email = '$email' AND pswd = '$pswd'";
$result = mysqli_query($con, $query);
if($result){
if($result && mysqli_num_rows($result) > 0){
$user_data = mysqli_fetch_assoc($result);
if($user_data['pswd'] === $pswd){
$_SESSION["status"] = true;
```

```
header("Location: index.php");
die;}}}?><script>
alert("Wrong email or Password");</script><?php}else{?><script>
alert("Wrong email or Password");</script><?php }}?>
<!DOCTYPE html>
<html lang="en">
<head>
<title>Sand-Dollar-Selling-Login</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="icon" type="image/png" href="images/icons/favicon.ico"/>
<link rel="stylesheet" type="text/css" href="vendor/bootstrap/css/bootstrap.min.css">
<link rel="stylesheet" type="text/css" href="fonts/font-awesome-4.7.0/css/font-awesome.min.css">
<link rel="stylesheet" type="text/css" href="fonts/Linearicons-Free-v1.0.0/icon-font.min.css">
<link rel="stylesheet" type="text/css" href="vendor/animate/animate.css">
<link rel="stylesheet" type="text/css" href="vendor/css-hamburgers/hamburgers.min.css">
<link rel="stylesheet" type="text/css" href="vendor/animsition/css/animsition.min.css">
<link rel="stylesheet" type="text/css" href="vendor/select2/select2.min.css">
<link rel="stylesheet" type="text/css" href="vendor/daterangepicker/daterangepicker.css">
<link rel="stylesheet" type="text/css" href="css/login2.css">
<link rel="stylesheet" type="text/css" href="css/login1.css">
</head><body>
<div class="limiter">
<div class="container-login100">
<div class="wrap-login100">
<div class="login100-form-title" style="background-image: url(images/bg-01.jpg);">
<span class="login100-form-title-1">
Welcome Back !</span></div>
<form class="login100-form validate-form" action="login.php" method="post">
<div class="wrap-input100 validate-input m-b-26" data-validate="Email is required">
<span class="label-input100" style="margin-left:-30px;">Email</span>
<input class="input100" type="email" name="email" placeholder="Enter Email" />
```

```
<span class="focus-input100"></span></div>
<div class="wrap-input100 validate-input m-b-18" data-validate = "Password is required">
<span class="label-input100">Password</span>
<input class="input100" type="password" name="pswd" placeholder="Enter Password" />
<span class="focus-input100"></span></div>
<div class="container-login100-form-btn">
<button class="login100-form-btn" name="submit">
<b>LOGIN</b>
</button></div>
<a href="index.php"  style="text-decoration: none;" >
<div style="width:150px;height: 50px;border-radius: 30px;background: #57b846;
font-family: 'Poppins';font-weight: 400;font-size: 20px; margin-left:130%;margin-top:-32%;padding:5px;
color: #fff;text-align: center; "> <b>HOME</b></div></a></form>
<div style="text-align:center;margin-top:-50px;">
Don't have an account? <a href="sign.php"><button style="background-color:#AAA;width:100px;"><b>Sign Up</b></button></a>
</div> </div> </div> </div>
<script src="vendor/jquery/jquery-3.2.1.min.js"></script>
<script src="vendor/animsition/js/animsition.min.js"></script>
<script src="vendor/bootstrap/js/popper.js"></script>
<script src="vendor/bootstrap/js/bootstrap.min.js"></script>
<script src="vendor/select2/select2.min.js"></script>
<script src="vendor/daterangepicker/moment.min.js"></script>
<script src="vendor/daterangepicker/daterangepicker.js"></script>
<script src="vendor/countdowntime/countdowntime.js"></script>
<script src="js/main1.js"></script></body></html>
```

Login.css

```
/* input[type="password"] {
color: transparent;
}[ FONT ]*/
@font-face {
font-family: Poppins-Regular;
```

```
src: url('../fonts/poppins/Poppins-Regular.ttf'); }
@font-face {
 font-family: Poppins-Medium;
  src: url('../fonts/poppins/Poppins-Medium.ttf'); }
@font-face {
font-family: Poppins-Bold;
src: url('../fonts/poppins/Poppins-Bold.ttf'); }
@font-face {
font-family: Poppins-SemiBold;
src: url('../fonts/poppins/Poppins-SemiBold.ttf'); }
* {
margin: 0px;
padding: 0px;
box-sizing: border-box;}
body, html {
height: 100%;
font-family: Poppins-Regular, sans-serif;}
a {
font-family: Poppins-Regular;
font-size: 14px;
line-height: 1.7;
color: #666666;
margin: 0px;
transition: all 0.4s;
-webkit-transition: all 0.4s;
-o-transition: all 0.4s;
-moz-transition: all 0.4s;}
a:focus {
outline: none !important;}
a:hover {
text-decoration: none;
color: #57b846;}
h1,h2,h3,h4,h5,h6 {
```

```
margin: 0px;}
p {
font-family: Poppins-Regular;
font-size: 14px;
line-height: 1.7;
color: #666666;
margin: 0px;}
ul, li {
margin: 0px;
list-style-type: none;}
input {
outline: none;
border: none;}
input[type="number"] {
-moz-appearance: textfield;
appearance: none;
-webkit-appearance: none;}
input[type="number"]::-webkit-outer-spin-button,
input[type="number"]::-webkit-inner-spin-button {
-webkit-appearance: none;}
textarea {
outline: none;
border: none;}
textarea:focus, input:focus {
border-color: transparent !important;}
input:focus::-webkit-input-placeholder { color:transparent; }
input:focus:-moz-placeholder { color:transparent; }
input:focus::-moz-placeholder { color:transparent; }
input:focus:-ms-input-placeholder { color:transparent; }
textarea:focus::-webkit-input-placeholder { color:transparent; }
textarea:focus:-moz-placeholder { color:transparent; }
textarea:focus::-moz-placeholder { color:transparent; }
textarea:focus:-ms-input-placeholder { color:transparent; }
```

```
input::-webkit-input-placeholder {color: #999999;}
input:-moz-placeholder {color: #999999;}
input::-moz-placeholder {color: #999999;}
input:-ms-input-placeholder {color: #999999;}
textarea::-webkit-input-placeholder {color: #999999;}
textarea:-moz-placeholder {color: #999999;}
textarea::-moz-placeholder {color: #999999;}
textarea:-ms-input-placeholder {color: #999999;}
label {
display: block;
margin: 0;}
button {
outline: none !important;
border: none;
background: transparent;}
button:hover {
cursor: pointer;}
iframe {
border: none !important;}
.txt1 {
font-family: Poppins-Regular;
font-size: 13px;
line-height: 1.4;
color: #999999;}
.limiter {
width: 100%;
margin: 0 auto;}
.container-login100 {
width: 100%;
min-height: 100vh;
display: -webkit-box;
display: -webkit-flex;
display: -moz-box;
```

```
display: -ms-flexbox;
display: flex;
flex-wrap: wrap;
justify-content: center;
align-items: center;
padding: 15px;
background: #ebeeef;}
.wrap-login100 {
width: 670px;
background: #fff;
border-radius: 10px;
overflow: hidden;
position: relative;}
.login100-form-title {
width: 100%;
position: relative;
z-index: 1;
display: -webkit-box;
display: -webkit-flex;
display: -moz-box;
display: -ms-flexbox;
display: flex;
flex-wrap: wrap;
flex-direction: column;
align-items: center;
background-repeat: no-repeat;
background-size: cover;
background-position: center;
padding: 70px 15px 74px 15px;}
.login100-form-title-1 {
font-family: Poppins-Bold;
font-size: 30px;
color: #fff;
```

```
text-transform: uppercase;
line-height: 1.2;
text-align: center;}
.login100-form-title::before {
content: "";
display: block;
position: absolute;
z-index: -1;
width: 100%;
height: 100%;
top: 0;
left: 0;
background-color: rgba(54,84,99,0.7);}
.login100-form {
width: 100%;
display: -webkit-box;
display: -webkit-flex;
display: -moz-box;
display: -ms-flexbox;
display: flex;
flex-wrap: wrap;
justify-content: space-between;
padding: 43px 88px 93px 190px;}
.wrap-input100 {
width: 100%;
position: relative;
border-bottom: 1px solid #b2b2b2;}
.label-input100 {
font-family: Poppins-Regular;
font-size: 15px;
color: #808080;
line-height: 1.2;
text-align: right;
```

```
position: absolute;
top: 14px;
left: -105px;
width: 80px;}
.input100 {
font-family: Poppins-Regular;
font-size: 15px;
color: #555555;
line-height: 1.2;
display: block;
width: 100%;
background: transparent;
padding: 0 5px;}
.focus-input100 {
 position: absolute;
 display: block;
 width: 100%;
 height: 100%;
 top: 0;
 left: 0;
 pointer-events: none;}
.focus-input100::before {
content: "";
display: block;
position: absolute;
bottom: -1px;
left: 0;
width: 0;
height: 1px;
-webkit-transition: all 0.6s;
-o-transition: all 0.6s;
-moz-transition: all 0.6s;
transition: all 0.6s;
```

```
background: #57b846;}
input.input100 {
height: 45px;}
.input100:focus + .focus-input100::before {
width: 100%;}
.has-val.input100 + .focus-input100::before {
width: 100%;}
.input-checkbox100 {
display: none;}
.label-checkbox100 {
font-family: Poppins-Regular;
font-size: 13px;
color: #999999;
line-height: 1.4;
display: block;
position: relative;
padding-left: 26px;
cursor: pointer;}
.label-checkbox100::before {
content: "\f00c";
font-family: FontAwesome;
font-size: 13px;
color: transparent;
display: -webkit-box;
display: -webkit-flex;
display: -moz-box;
 display: -ms-flexbox;
 display: flex;
 justify-content: center;
 align-items: center;
 position: absolute;
 width: 18px;
 height: 18px;
```

```
    border-radius: 2px;
    background: #fff;
    border: 1px solid #e6e6e6;
    left: 0;
    top: 50%;
    -webkit-transform: translateY(-50%);
    -moz-transform: translateY(-50%);
    -ms-transform: translateY(-50%);
    -o-transform: translateY(-50%);
    transform: translateY(-50%);}
.input-checkbox100:checked + .label-checkbox100::before {
color: #57b846;}
.container-login100-form-btn {
    width: 100%;
    display: -webkit-box;
     display: -webkit-flex;
     display: -moz-box;
     display: -ms-flexbox;
     display: flex;
     flex-wrap: wrap;}
.login100-form-btn {
    display: -webkit-box;
     display: -webkit-flex;
     display: -moz-box;
     display: -ms-flexbox;
     display: flex;
     justify-content: center;
     align-items: center;
     padding: 0 20px;
     min-width: 160px;
     height: 50px;
     background-color: #57b846;
     border-radius: 25px;
```

```
  font-family: Poppins-Regular;
  font-size: 16px;
  color: #fff;
  line-height: 1.2;
  -webkit-transition: all 0.4s;
  -o-transition: all 0.4s;
  -moz-transition: all 0.4s;
  transition: all 0.4s;}.login100-form-btn:hover {
background-color: #333333;}
@media (max-width: 576px) {
.login100-form {
padding: 43px 15px 57px 117px;}}
@media (max-width: 480px) {
.login100-form {
padding: 43px 15px 57px 15px;}
.label-input100 {
text-align: left;
position: unset;
top: unset;
left: unset;
width: 100%;
padding: 0 5px;}}
.validate-input {
position: relative;}
.alert-validate::before {
content: attr(data-validate);
position: absolute;
max-width: 70%;
background-color: #fff;
border: 1px solid #c80000;
border-radius: 2px;
padding: 4px 25px 4px 10px;
top: 50%;
```

```
-webkit-transform: translateY(-50%);
-moz-transform: translateY(-50%);
-ms-transform: translateY(-50%);
-o-transform: translateY(-50%);
transform: translateY(-50%);
right: 2px;
pointer-events: none;
font-family: Poppins-Medium;
color: #c80000;
font-size: 13px;
line-height: 1.4;
text-align: left;
visibility: hidden;
opacity: 0;
-webkit-transition: opacity 0.4s;
-o-transition: opacity 0.4s;
-moz-transition: opacity 0.4s;
transition: opacity 0.4s;}
.alert-validate::after {
content: "\f06a";
font-family: FontAwesome;
display: block;
position: absolute;
color: #c80000;
font-size: 15px;
top: 50%;
-webkit-transform: translateY(-50%);
-moz-transform: translateY(-50%);
-ms-transform: translateY(-50%);
-o-transform: translateY(-50%);
transform: translateY(-50%);
right: 8px;}
.alert-validate:hover:before {
```

```
visibility: visible;
opacity: 1;}
@media (max-width: 992px) {
.alert-validate::before {
visibility: visible;
opacity: 1;}}
```

Signup.php

```
<?php
session_start();
$server = "localhost";
$user = "root";
$password = "";
$db = "project";
$con = mysqli_connect($server,$user,$password,$db);
if(!$con) {
echo "Connection Unsuccessful";}
if(isset($_POST['submit'])){
$name = mysqli_real_escape_string($con, $_POST['name']);
$email = mysqli_real_escape_string($con, $_POST['email']);
$phone = mysqli_real_escape_string($con, $_POST['phone']);
$dob = mysqli_real_escape_string($con, $_POST['dob']);
$gender = mysqli_real_escape_string($con, $_POST['gender']);
$addr = mysqli_real_escape_string($con, $_POST['addr']);
$pswd = mysqli_real_escape_string($con, $_POST['pswd']);
$cpswd = mysqli_real_escape_string($con, $_POST['cpswd']);
$emailquery = " select * from sign2 where email= '$email' ";
$query = mysqli_query($con, $emailquery);
$emailcount = mysqli_num_rows($query);
if($emailcount>0) {?>
<script>
alert("Email already exists.");
</script>
<?php  }
```

```
else {
if($pswd === $cpswd){
$insertquery = "insert into sign2( name, email, phone, dob, gender, addr, pswd, cpswd)
values('$name','$email','$phone','$dob','$gender','$addr','$pswd', '$cpswd')";
$iquery = mysqli_query($con, $insertquery);
if($iquery){
header('location: login.php');
}
else {?>
<script>
alert("Sign Up failed. Please try again.");
</script>
<?php   }}
else {
?>
<script>
alert("Passwords are not matching");
</script>
<?php   } } } ?>
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>Sand-Dollar-Shelling-signup</title>
<link rel="stylesheet" href="fonts/material-icon/css/material-design-iconic-font.min.css">
<link rel="stylesheet" href="css/signstyle.css">
<link rel="stylesheet" type="text/css" href="css/login2.css">
</head>
<body>
<div class="main">
<div class="container">
```

```
<div class="signup-content">
<div class="signup-img">
<img src="images/signup-img.jpg" alt="">
</div>
<div class="signup-form">
<form method="POST" class="register-form" id="register-form" action="sign.php" onsubmit="return validate()">
<h2><u>Welcome To Our Family !</u></h2>
<div class="form-group">
<label for="name">Name :</label>
<input type="text" name="name" id="name" placeholder="Name" />
</div>
<div class="form-group">
<label for="email">Email ID :</label>
<input type="email" name="email" id="email" placeholder="Email" />
</div>
<div class="form-group">
<label for="mob">Mobile Number :</label>
<input type="text" name="phone" id="phone" placeholder="Phone Number" maxlength="10" required />
</div>
<div class="form-group">
<label for="birth_date">Date Of Birth :</label>
<input type="date" name="dob" min="1980-01-01" max="2008-12-31" id="dob" placeholder="Date of Birth" required /></div>
<div class="form-radio">
<label for="gender" class="radio-label">Gender :</label><div>
<select name="gender" id="gender" required>
<option >Female</option>
<option >Male</option>
<option >Transgender</option>
<option >Prefer Not to say</option>
</select>  </div> </div>
```

```
<div class="form-group">
<label for="address">Address :</label>
<input type="text" class="textarea" name="addr" id="addr" placeholder="Enter Your Address" required> </div>
<div class="form-group">
<label for="password">Password :</label>
<div class="wrap-input100 validate-input m-b-18" data-validate = "Password is required">
<input type="password" name="pswd" id="pswd" placeholder="Password" />
<span class="focus-input100"></span> </div> </div>
<div class="form-group">
<label for="cpassword">Password :</label>
<div class="wrap-input100 validate-input m-b-18" data-validate = "Password is required">
<input type="password" name="cpswd" id="cpswd" placeholder="Confirm Password" />
<span class="focus-input100"></span>
</div></div>
<div class="form-submit">
<a href="index.php" class="submit" id="submit" style="display: inline;text-decoration: none;">HOME</a>
<input type="submit" value="Reset All" class="submit" name="reset" id="reset" />
<input type="submit" value="Submit Form" class="submit" name="submit" id="submit" />
</div>  </form>
<div style="margin:auto;text-align:center;"><p>
By clicking the Sign Up button,you agree to our <br />
<a href="#">Terms and Condition</a> and <a href="#">Policy Privacy</a>
<div> Already have an account?</p> <a href="login.php"><button class="submit">Login here</button></a></div>
</div></div></div></div></div></div>
<!-- JS -->
<script src="vendor/jquery/jquery.min.js"></script>
<script src="js/main.js"></script>
</body>
</html>
```

Signup.css

SAND-DOLLAR-SHELLING

```
@import url(https://fonts.googleapis.com/css?family=Roboto:400,300,500);
*:focus {
outline: none;}
body {
margin: 0;
padding: 0;
background: url('https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSXe_Swjz2wNiqmQ9Y3CAOwoifppIuinLWFHg&usqp=CAU');
font-size: 16px;
color: #222;
font-family: 'Roboto', sans-serif;
font-weight: 300;}
#login-box {
position: relative;
margin: 5% auto;
width: 600px;
height: 400px;
background: #FFF;
border-radius: 2px;
box-shadow: 0 2px 4px rgba(0, 0, 0, 0.4);}
.left {
 position: absolute;
 top: 0;
 left: 0;
 box-sizing: border-box;
 padding: 40px;
 width: 300px;
 height: 400px;}
 h1 {
 margin: 0 0 20px 0;
 font-weight: 300;
 font-size: 28px;}
```

```
input[type="text"],
input[type="password"] {
display: block;
box-sizing: border-box;
margin-bottom: 20px;
padding: 4px;
width: 220px;
height: 32px;
border: none;
border-bottom: 1px solid #AAA;
font-family: 'Roboto', sans-serif;
font-weight: 400;
font-size: 15px;
transition: 0.2s ease;}
input[type="text"]:focus,
input[type="password"]:focus {
border-bottom: 2px solid #16a085;
color: #16a085;
transition: 0.2s ease;}
input[type="submit"] {
margin-top: 28px;
width: 120px;
height: 32px;
background: #16a085;
border: none;
border-radius: 2px;
color: #FFF;
font-family: 'Roboto', sans-serif;
font-weight: 500;
text-transform: uppercase;
transition: 0.1s ease;
cursor: pointer;}
input[type="submit"]:hover,
```

```
input[type="submit"]:focus {
opacity: 0.8;
box-shadow: 0 2px 4px rgba(0, 0, 0, 0.4);
transition: 0.1s ease;}
input[type="submit"]:active {
 opacity: 1;
 box-shadow: 0 1px 2px rgba(0, 0, 0, 0.4);
 transition: 0.1s ease;}
 .or {
 position: absolute;
 top: 180px;
 left: 280px;
 width: 40px;
 height: 40px;
 background: #DDD;
 border-radius: 50%;
 box-shadow: 0 2px 4px rgba(0, 0, 0, 0.4);
 line-height: 40px;
 text-align: center;}
.right {
 position: absolute;
 top: 0;
 right: 0;
 box-sizing: border-box;
 padding: 40px;
 width: 300px;
 height: 400px;
 background: url('https://goo.gl/YbktSj');
 background-size: cover;
 background-position: center;
 border-radius: 0 2px 0;}
 .right .loginwith {
 display: block;
```

```
 margin-bottom: 40px;
 font-size: 28px;
 color: #FFF;
 text-align: center;}
 button.social-signin {
margin-bottom: 20px;
width: 220px;
height: 36px;
border: none;
border-radius: 2px;
color: #FFF;
font-family: 'Roboto', sans-serif;
font-weight: 500;
transition: 0.2s ease;
cursor: pointer;}
button.social-signin:hover,
button.social-signin:focus {
box-shadow: 0 2px 4px rgba(0, 0, 0, 0.4);
transition: 0.2s ease;}
button.social-signin:active {
box-shadow: 0 1px 2px rgba(0, 0, 0, 0.4);
transition: 0.2s ease;}
button.social-signin.facebook {
background: #32508E;}
button.social-signin.twitter {
background: #55ACEE;}
button.social-signin.google {
background: #DD4B39;}
```

Cart.php

```
<?php
session_start();
require_once ("php/CreateDb.php");
require_once ("php/component.php");
```

```
$db = new CreateDb("project", "Producttb");
if (isset($_POST['remove'])){
if ($_GET['action'] == 'remove'){
foreach ($_SESSION['cart'] as $key => $value){
if($value["id"] == $_GET['id']){
unset($_SESSION['cart'][$key]);
echo "<script>alert('Product has been Removed...!')</script>";
echo "<script>window.location = 'cart.php'</script>";}}}}?>
<!doctype html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport"
content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>Cart</title>
 <!-- Font Awesome -->
<link  rel="stylesheet"  href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.8.2/css/all.css" />
 <!-- Bootstrap CDN -->
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">
<link rel="stylesheet" href="style.css">
</head>
<body class="bg-light"
<?php
require_once ('php/header.php');?>
<div class="container-fluid">
<div class="row px-5">
```

```
<div class="col-md-7">
<div class="shopping-cart">
<h6>My Cart</h6>
<hr>
 <?php
 $total = 0;
if (isset($_SESSION['cart'])){
$id = array_column($_SESSION['cart'], 'id');
$result = $db->getData();
while ($row = mysqli_fetch_assoc($result)){
foreach ($id as $id1){
if ($row['id'] == $id1){
cartElement($row['product_image'], $row['product_name'],$row['product_price'], $row['id']);
$total = $total + (int)$row['product_price']; }}} }else{  echo "<h5>Cart is Empty</h5>";
}?></div> </div>
 <div class="col-md-4 offset-md-1 border rounded mt-5 bg-white h-25">
 <div class="pt-4">
 <h6>PRICE DETAILS</h6><hr>
 <div class="row price-details">
<div class="col-md-6">
<?php
if (isset($_SESSION['cart'])){
$count  = count($_SESSION['cart']); echo "<h6>Price ($count items)
</h6>";
}
else
{
echo "<h6>Price (0 items)</h6>";} ?
<h6>Delivery Charges</h6><hr>
</div>
<div class="col-md-6">
<h6>₹<?php echo $total; ?>
</h6>
```

```
<h6 class="text-success">FREE
</h6>
</div>
<div class="border bg-light rounded p-4 mt-4" style="width:100%;">
<h4>Grand Total:</h4>
<h5 class="text-right" id="gtotal"></h5><br>₹
<?php
echo $total;?>
<form action="purchase.php" method="POST">
<div class="form-group">
<label>Full Name</label>
<input type="text" name="name" class="form-control" required></div><br>
<div class="form-group">
<label>Phone Number</label>
<input type="text" name="phone" class="form-control" required>
</div><br>
<div class="form-group">
<label>Address</label>
<input type="text" name="addr" class="form-control" required></div><br>
<div class="form-check">
<input class="form-check-input" type="radio" name="pay_mode" value="COD"
id="flexRadioDefault2" checked>
<label class="form-check-label" for="flexRadioDefault2">
Cash On Delivery</label></div><br>
<button class="btn btn-primary btn-block" name="purchase">Make Purchase</button>
</form> </div></div> </div></div></div></div>
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
integrity="sha384-
UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
```

```
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"
crossorigin="anonymous">
</script></body>
</html>
```

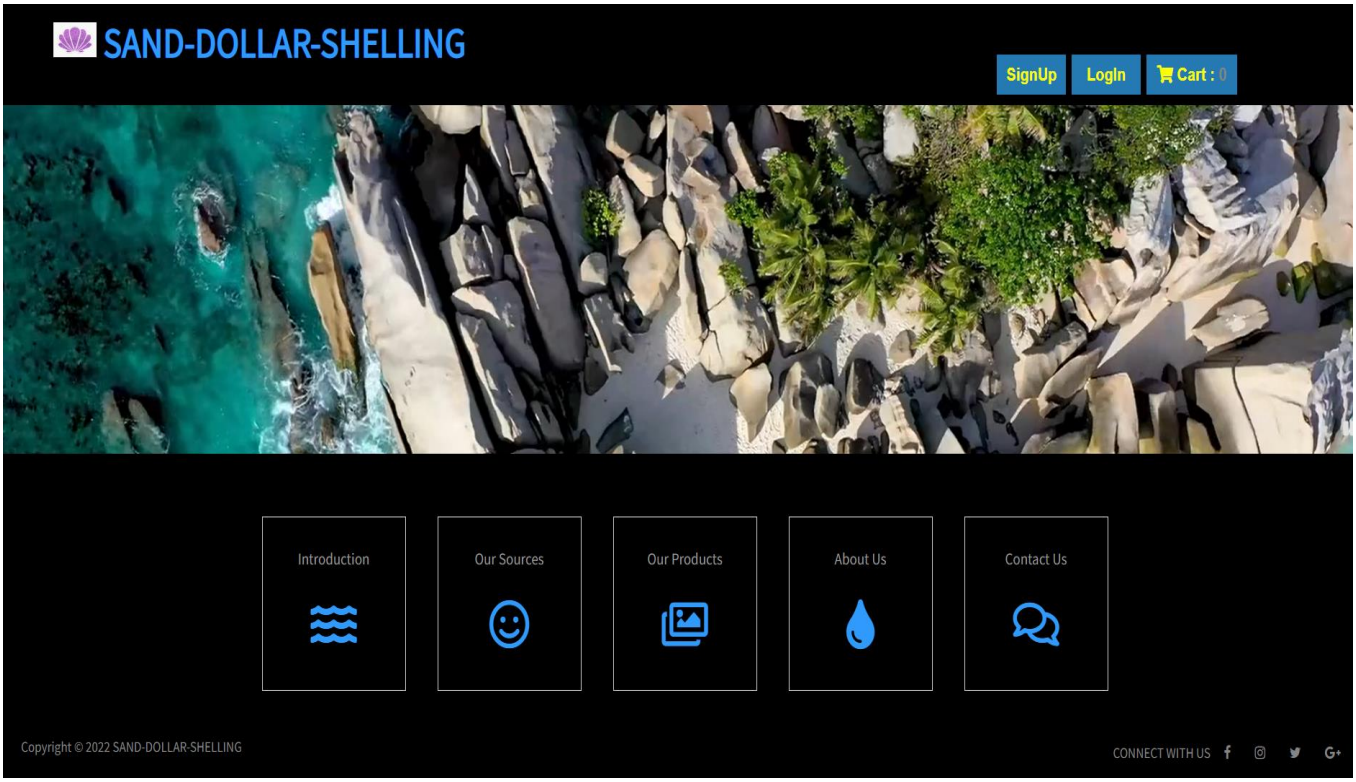
Cart.css

```
img
{
max-width: 100%;
height: auto;
background: lightblue;
background: radial-gradient(white 30%, lightblue 70%);
}
.fa-star,
.fa-star-half
{
color: yellowgreen;
padding: 3% 0;}
#cart_count{
text-align: center;
padding: 0 0.9rem 0.1rem 0.9rem;
border-radius: 3rem;
}
.shopping-cart
{
padding: 3% 0;
}
.cart-items + .cart-items
{
padding: 2% 0;
}
.price-details h6
```

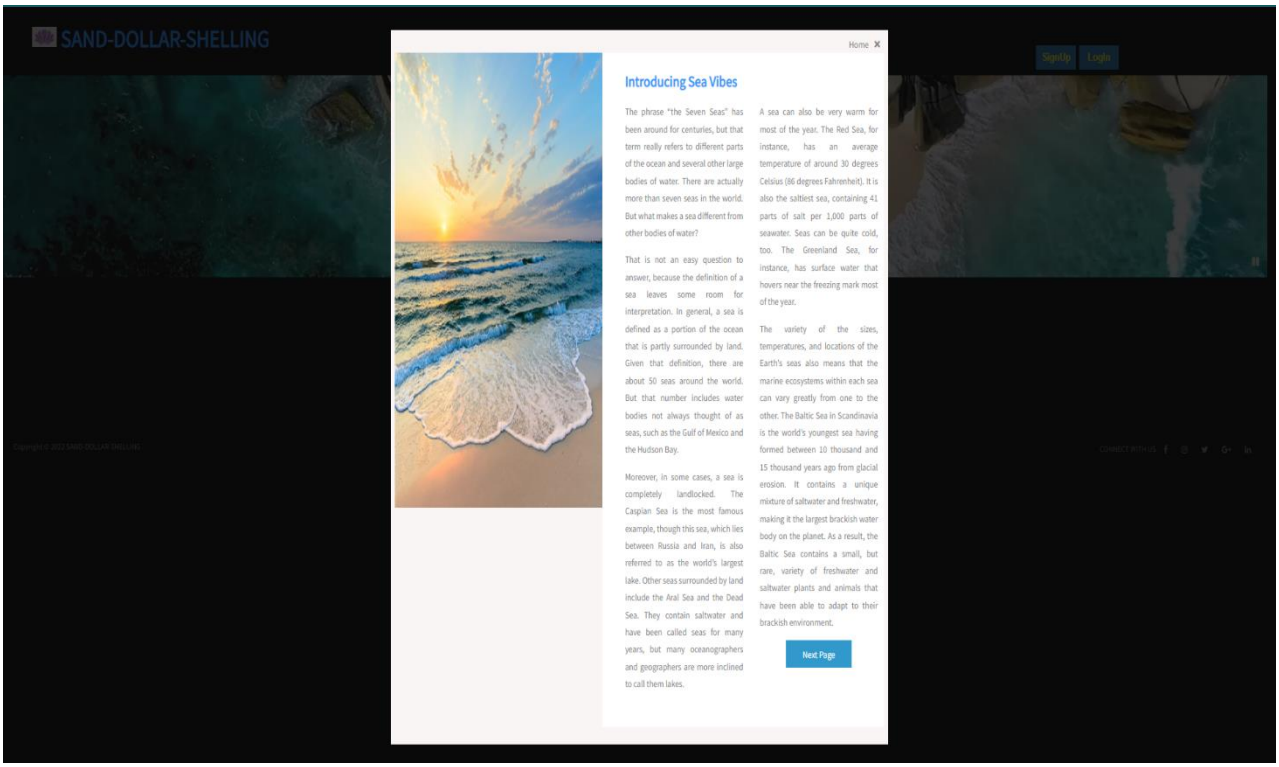
```
{
padding: 3% 2%;
}
img
{
max-width: 100%;
height: auto;
background: lightblue;
background: radial-gradient(white 30%, lightblue 70%);}
.fa-star,
.fa-star-half{
color: yellowgreen;
padding: 3% 0;
}
#cart_count
{
text-align: center;
padding: 0 0.9rem 0.1rem 0.9rem;
border-radius: 3rem;
}
.shopping-cart
{
padding: 3% 0;
}
.cart-items + .cart-items
{
padding: 2% 0;
}
.price-details h6
{
padding: 3% 2%;
}
```

SNAPSHOTS

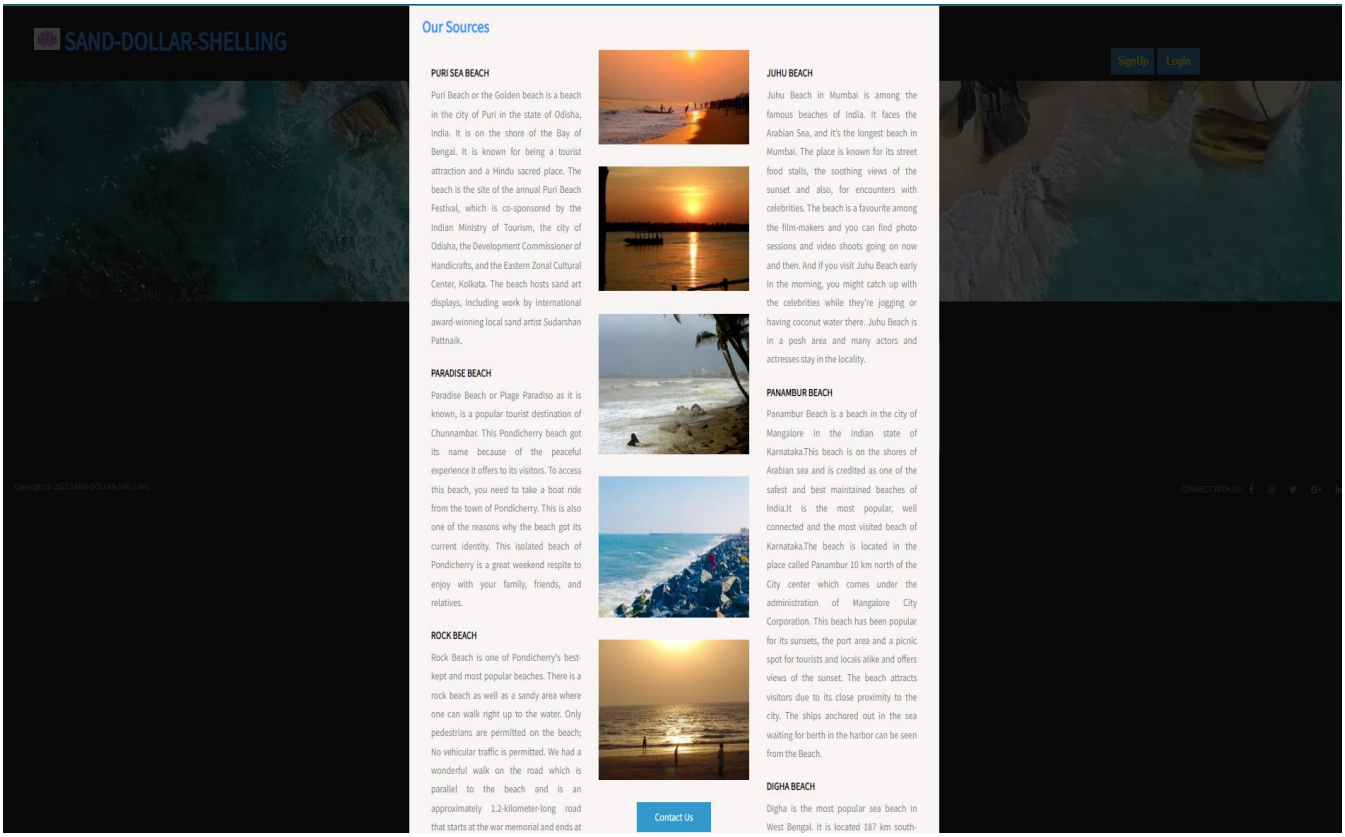
Home Page



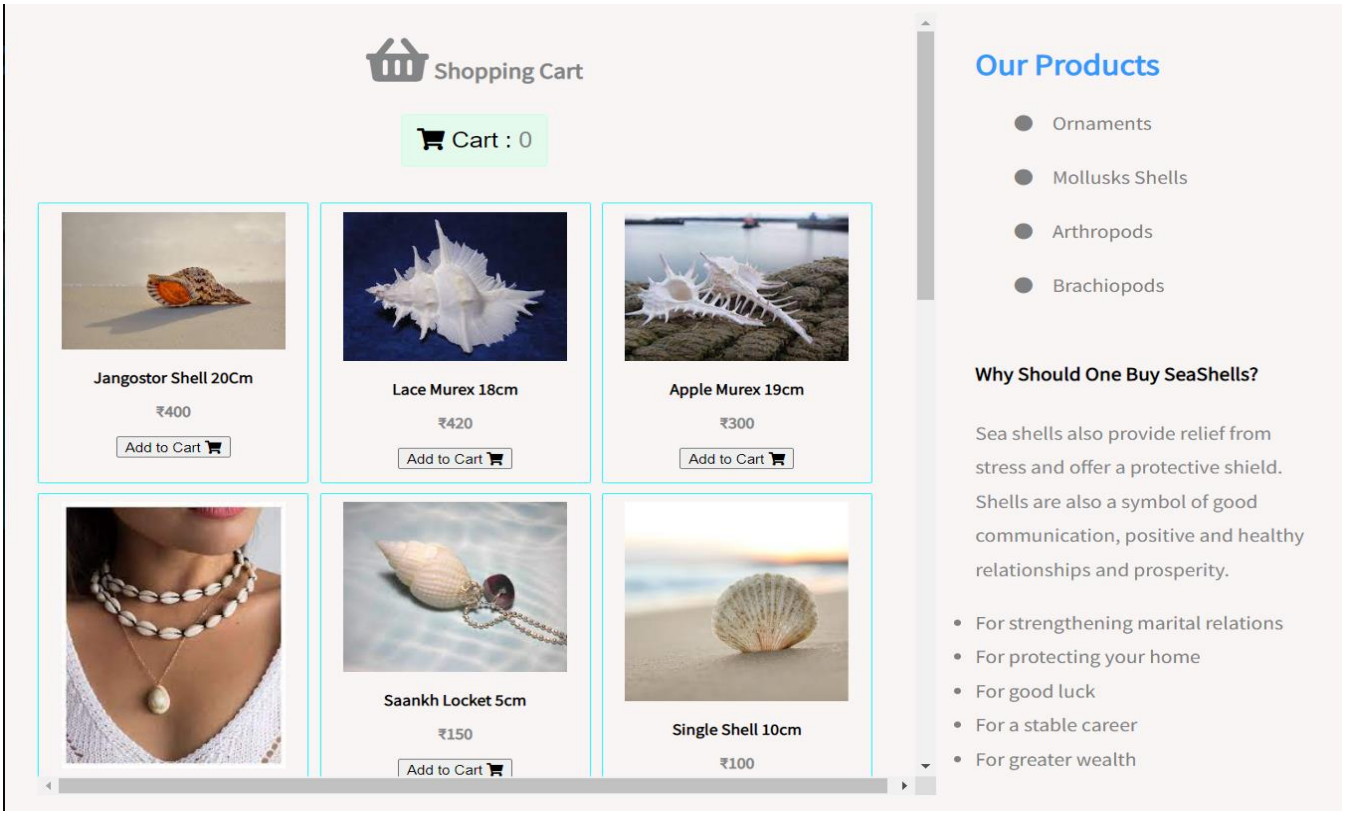
Indroduction Page



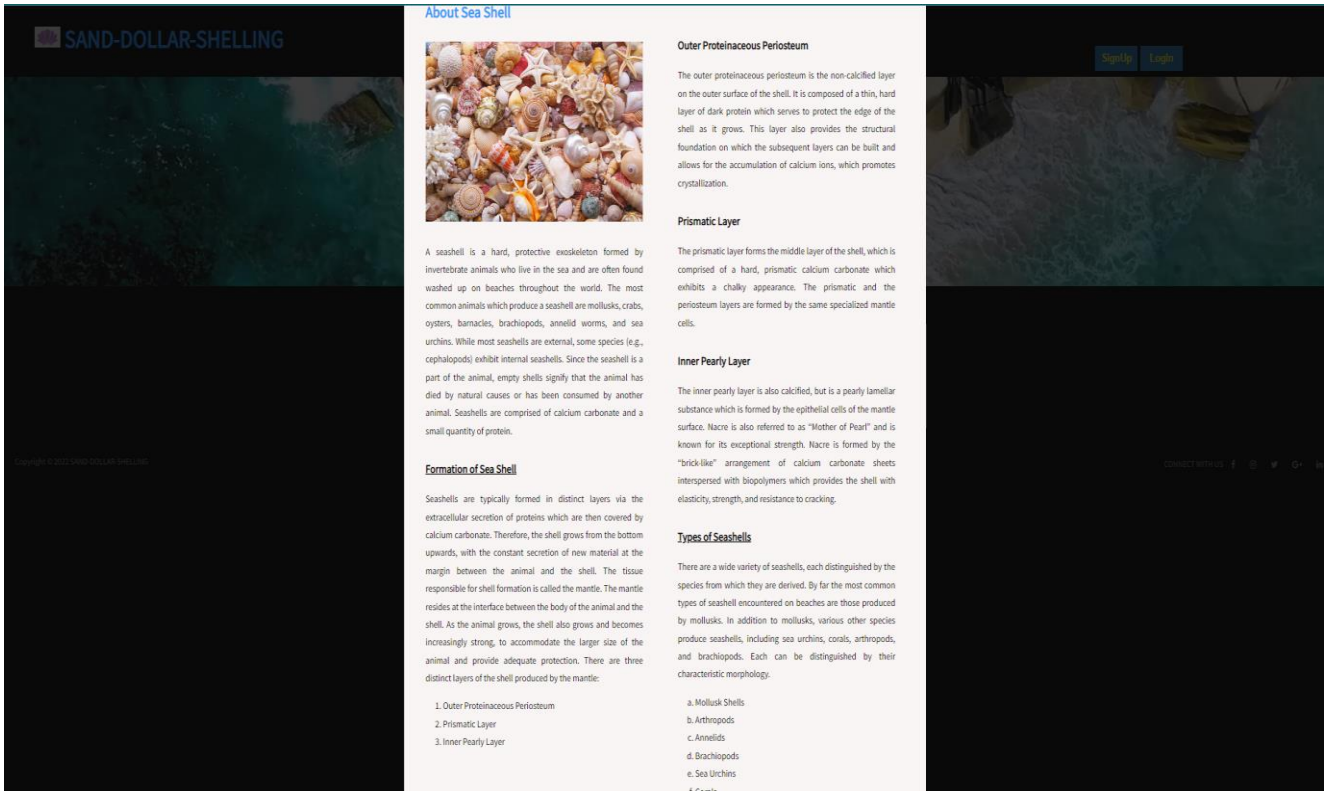
Our Source Page



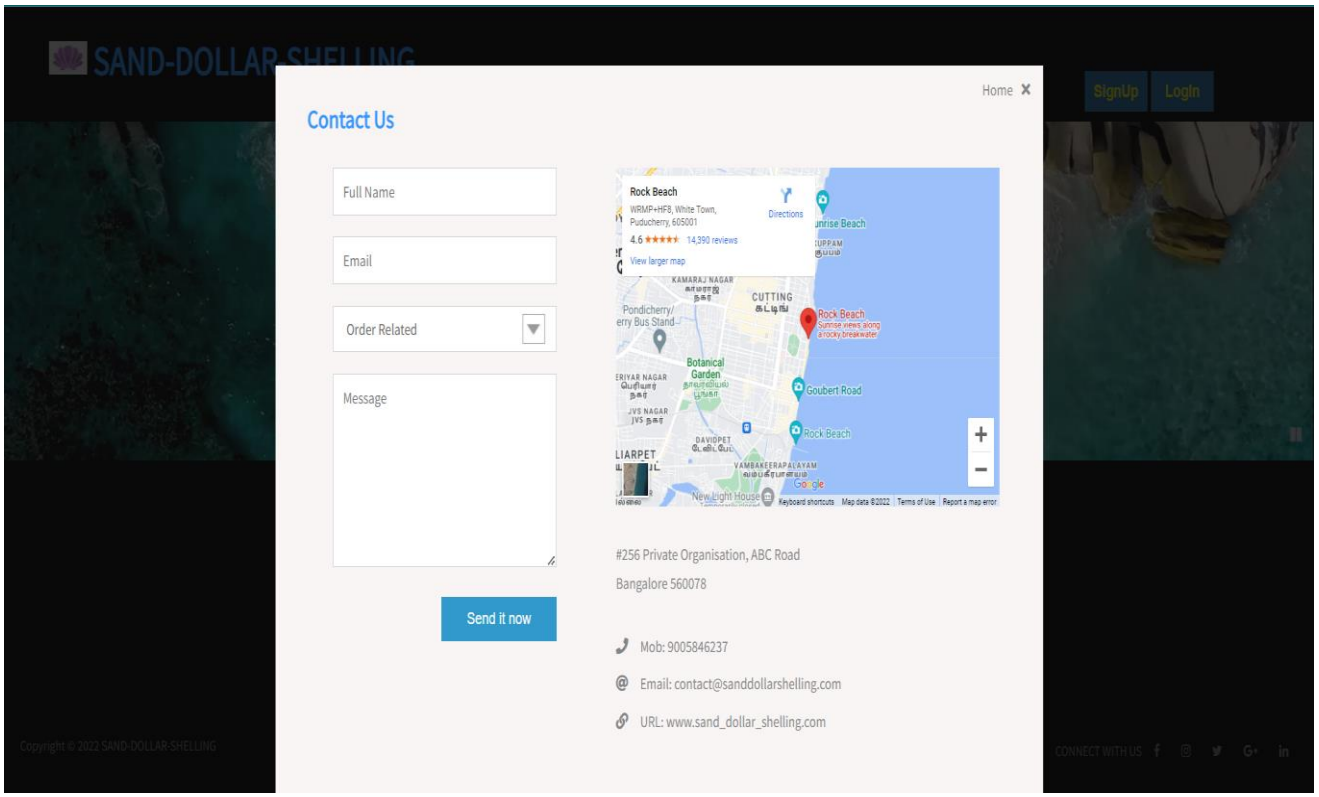
Our Products Page



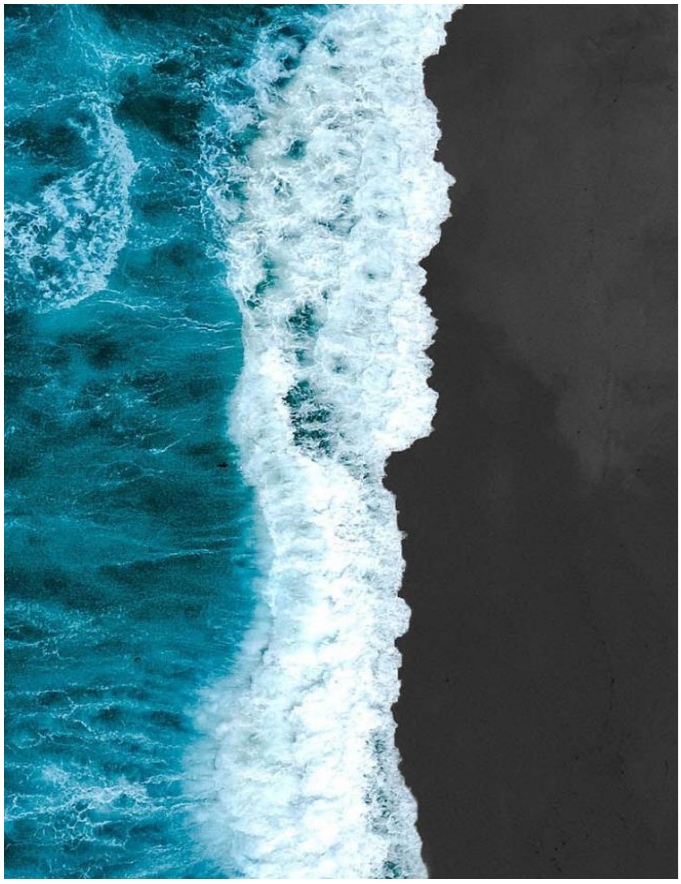
About Us Page

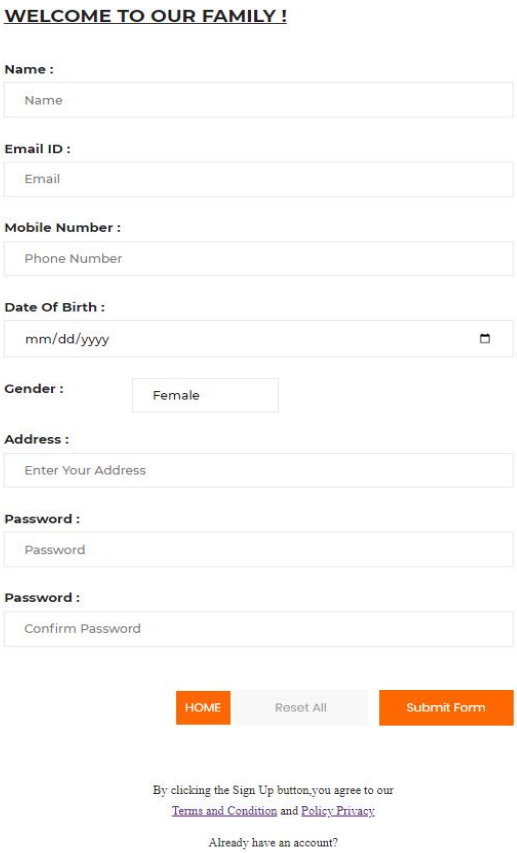


Contact Us Page

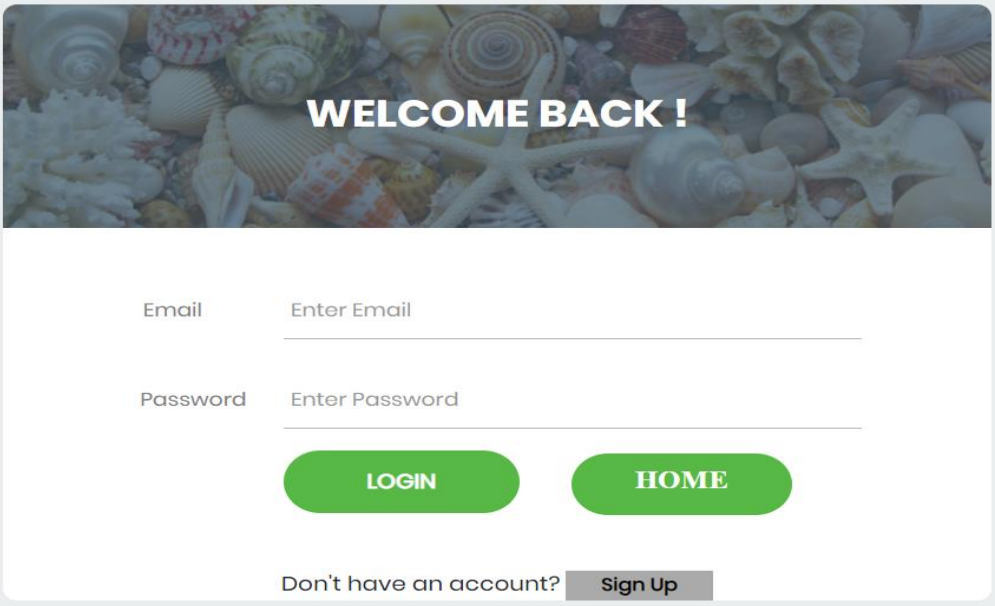


SignUp Page

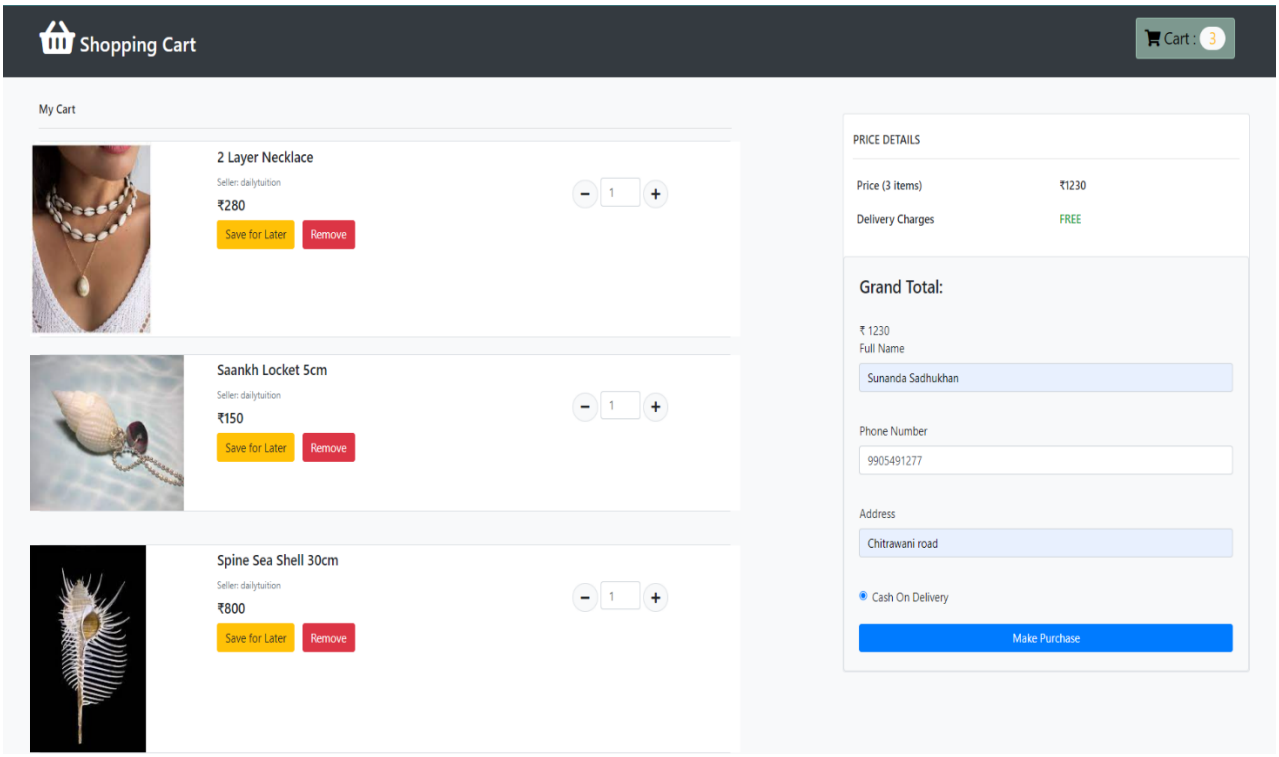




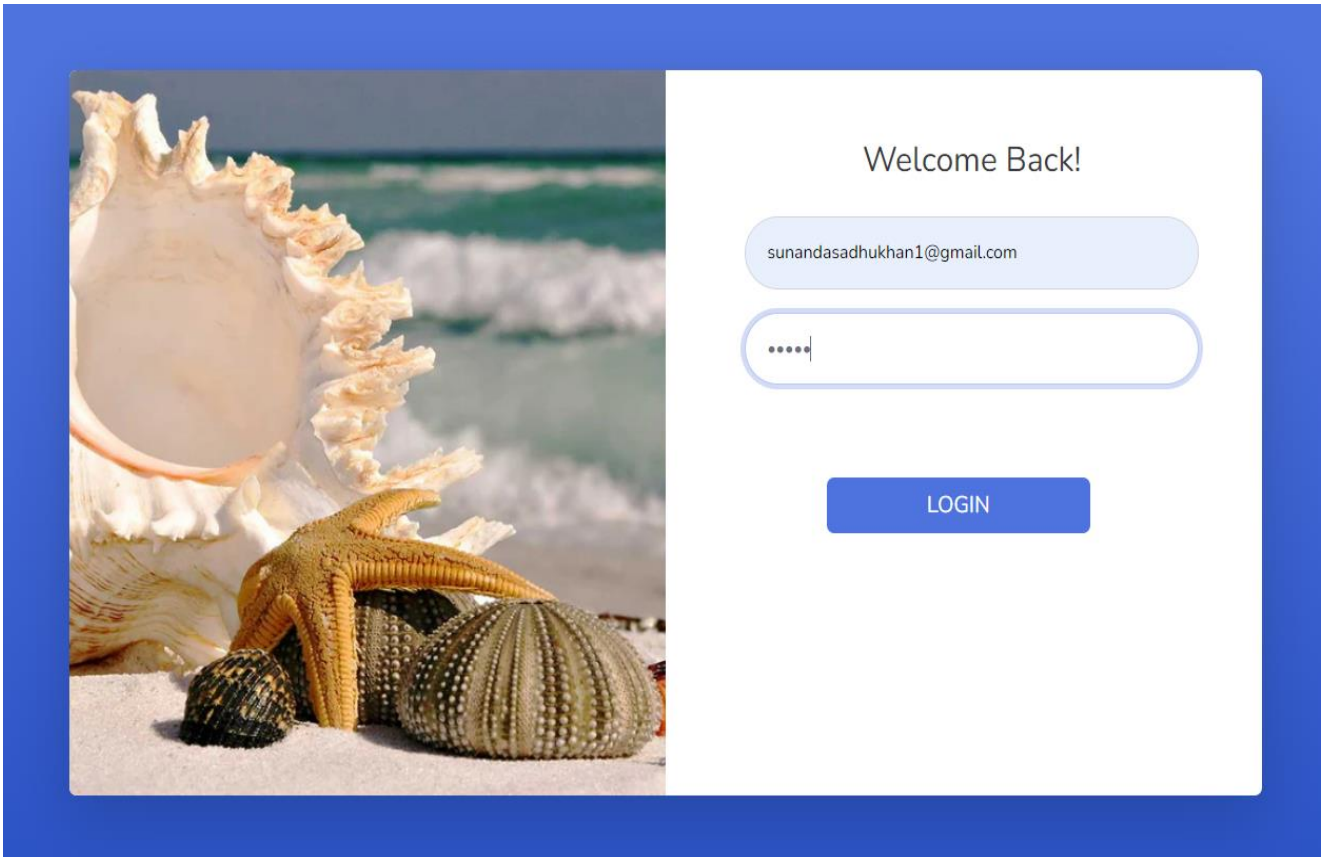
LogIn Page



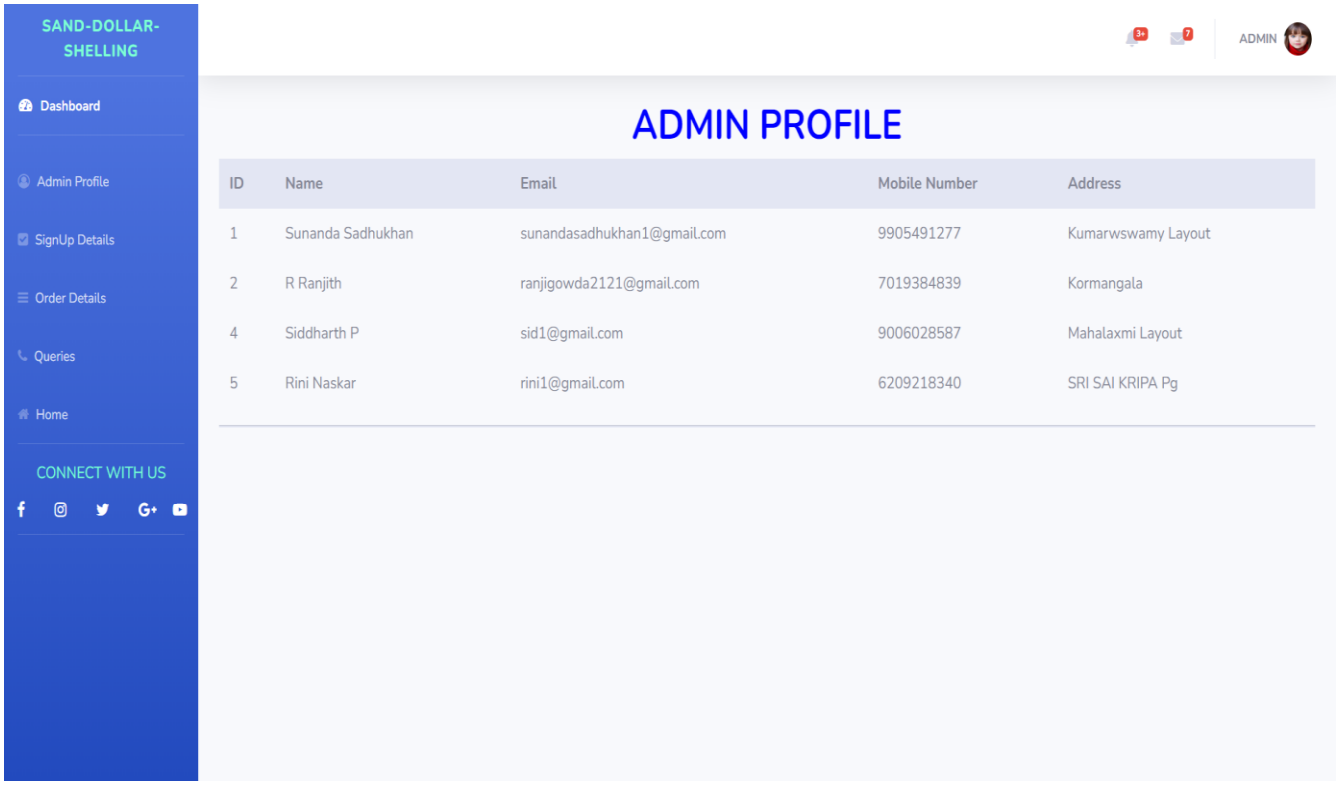
Cart Page



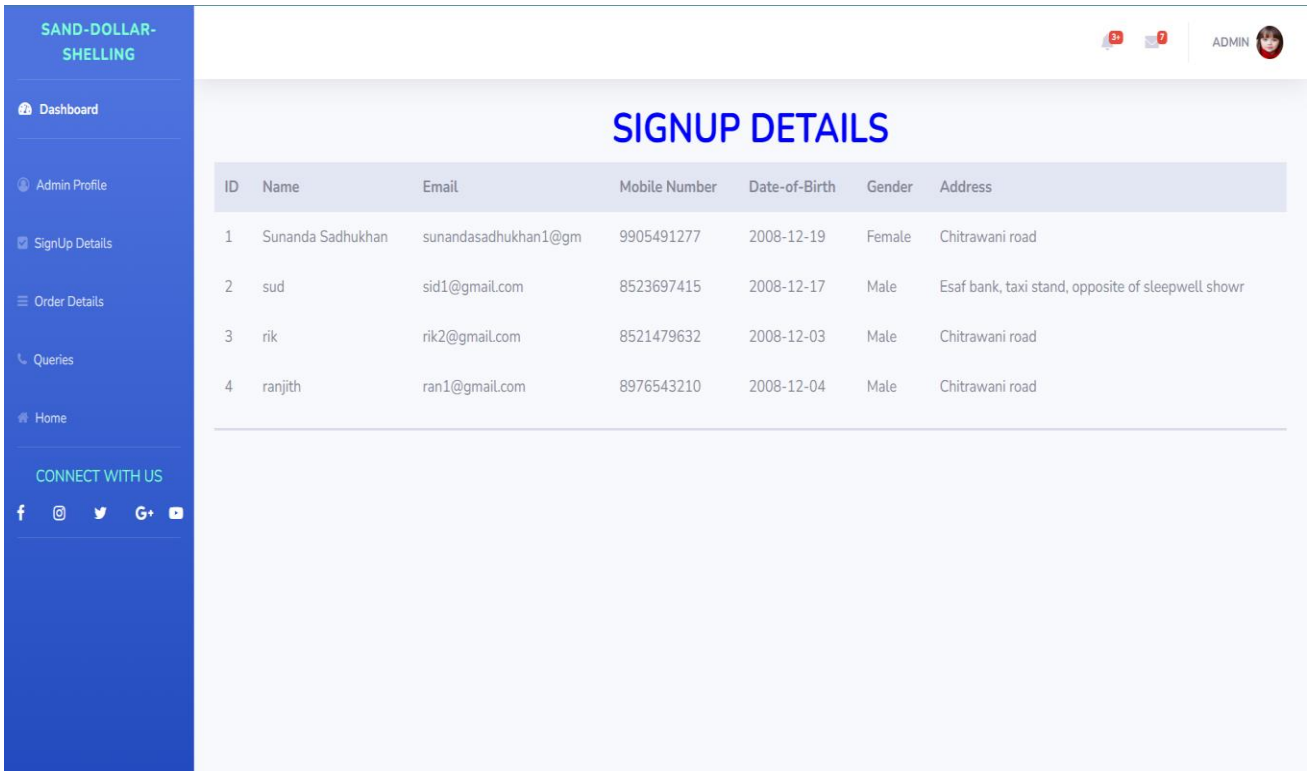
Admin Login



Admin Profile



SignUp Details



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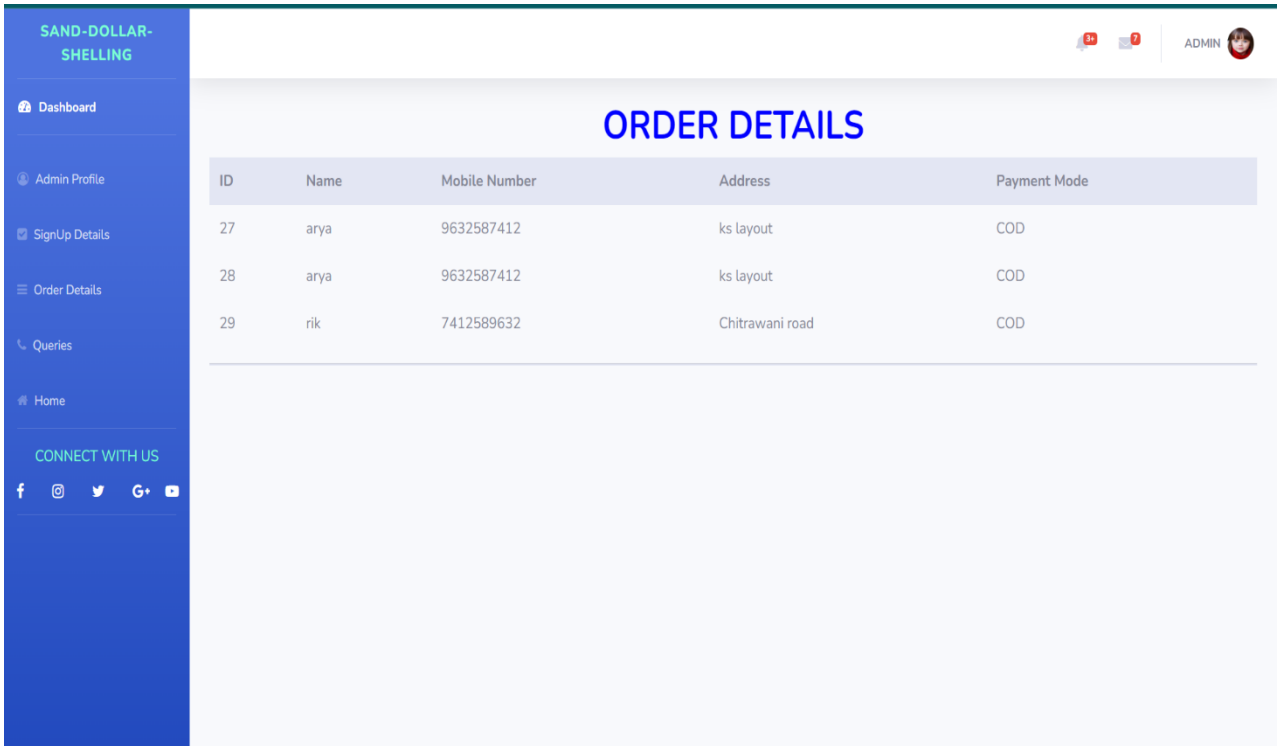
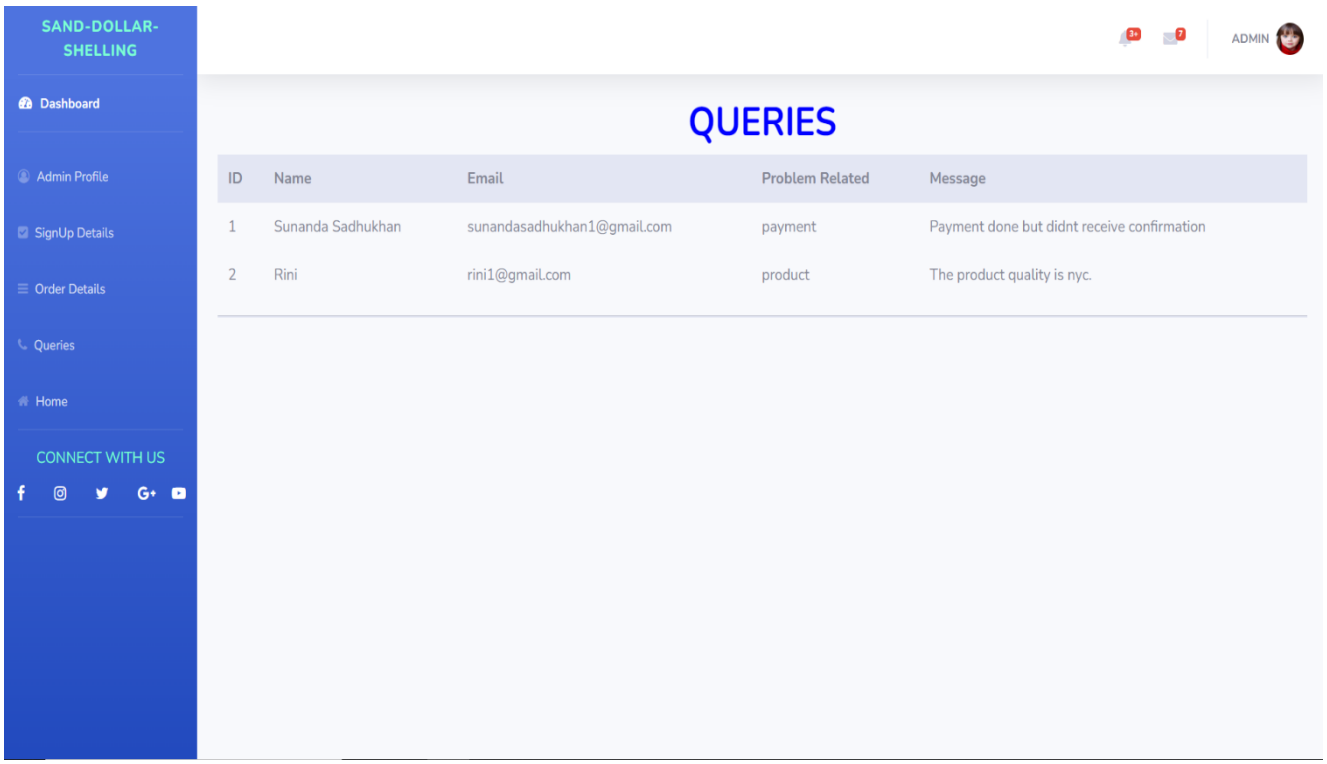
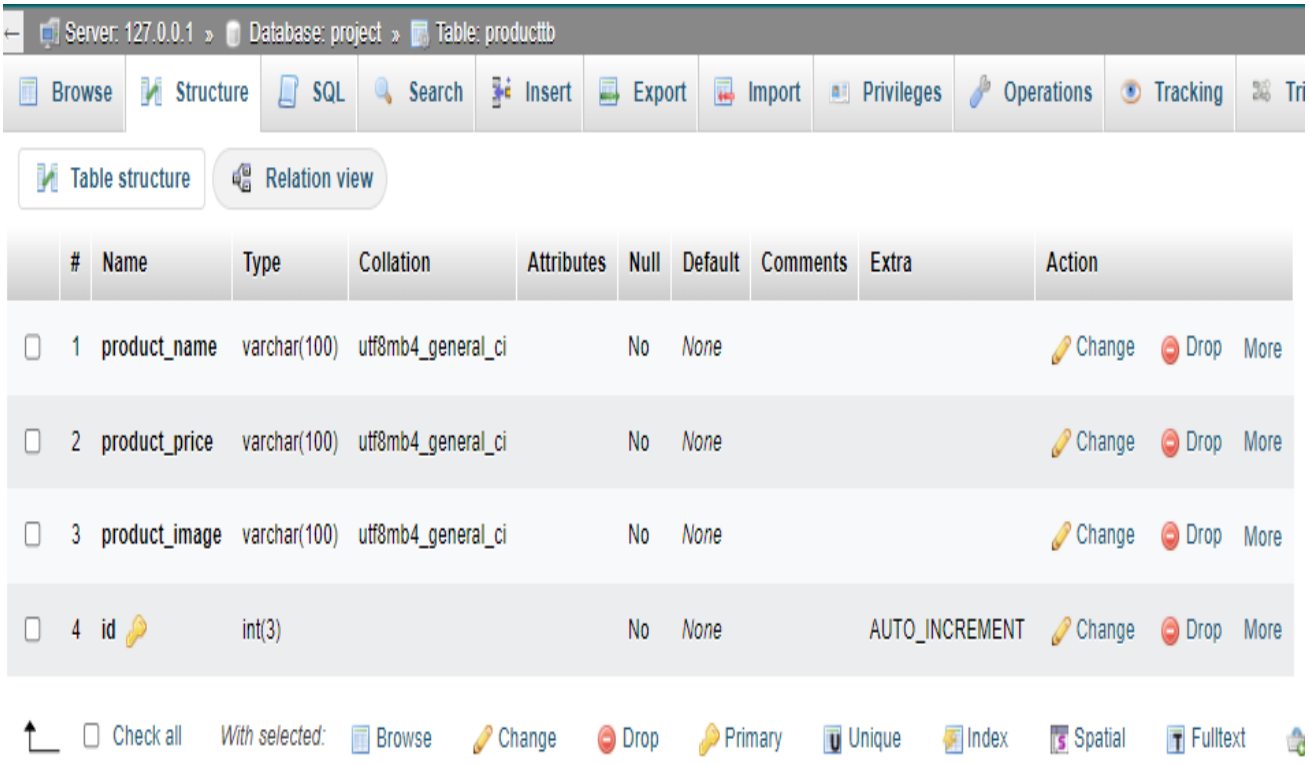


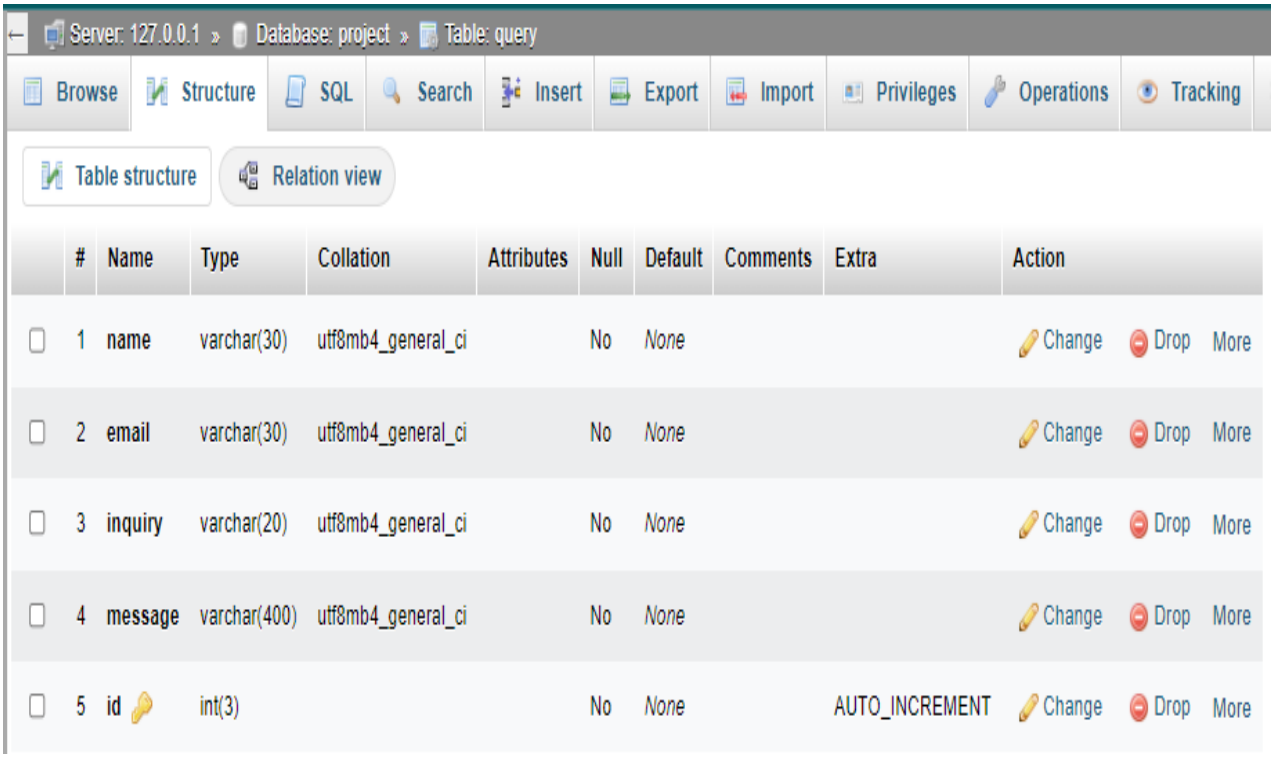
Queries



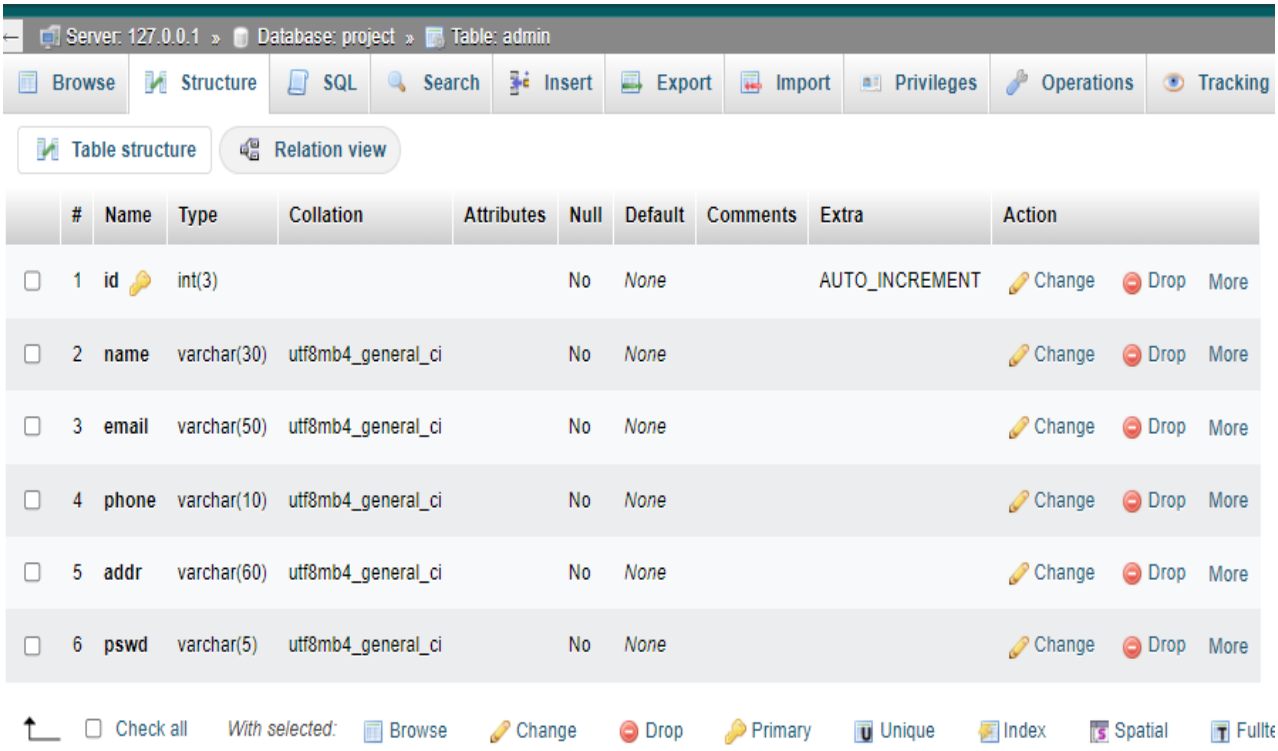
Product Table



Query Table



Admin Table



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☐	1	id	int(3)			No	None		AUTO_INCREMENT	Change Drop More
☐	2	name	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
☐	3	email	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
☐	4	phone	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
☐	5	addr	varchar(60)	utf8mb4_general_ci		No	None			Change Drop More
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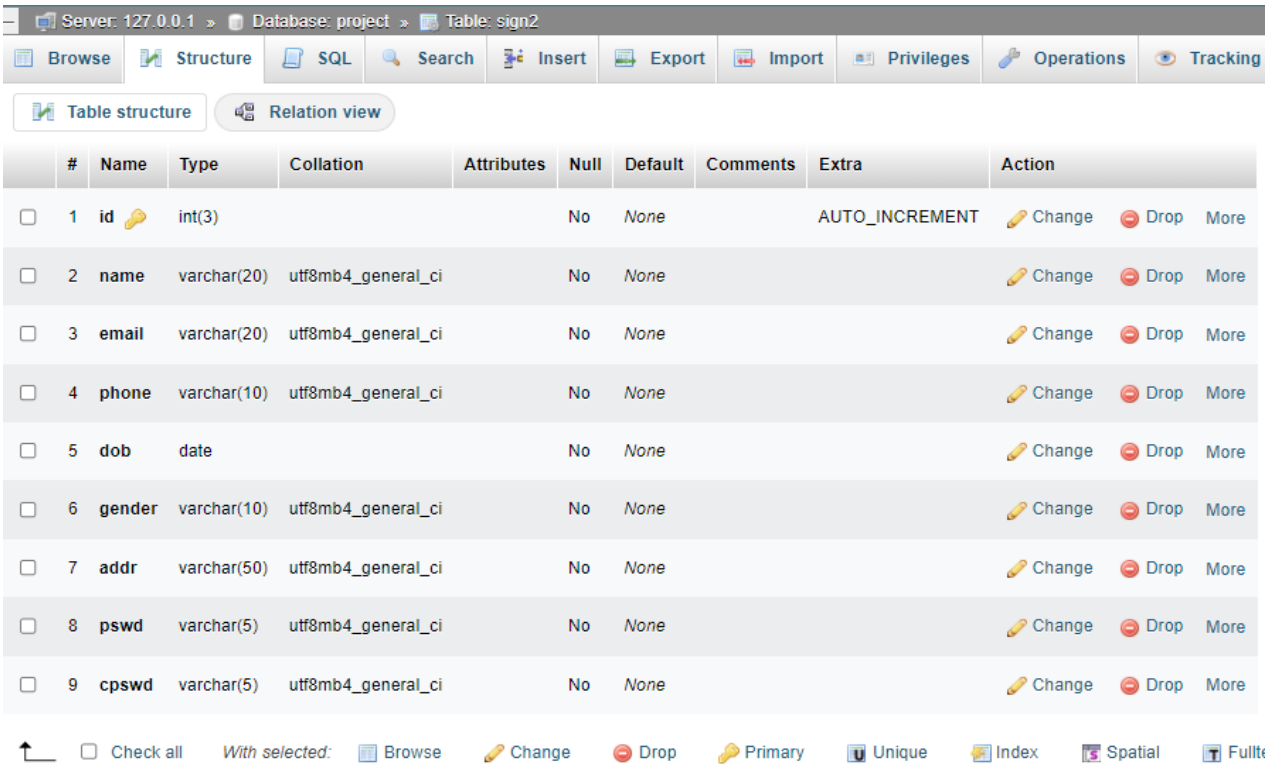
SignUp Table



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☐	2	name	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
☐	3	email	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
☐	4	phone	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
☐	5	dob	date			No	None			Change Drop More
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☐	7	addr	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
☐	8	pswd	varchar(5)	utf8mb4_general_ci		No	None			Change Drop More
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TESTING AND REPORTS

Introduction To System Testing

The purpose of testing is to discover errors. Testing is the process of trying to discover every conceivable fault or weakness in a work product. It provides a way to check the functionality of components, sub-assemblies, assemblies and/or a finished product. It is the process of exercising software with the intent of ensuring that the software system meets its requirements and user expectations and does not fail in an unacceptable manner.

There are various types of tests. Each test type addresses a specific testing requirement.

Testing performs a very critical role for quality assurance and for ensuring the reliability of the software. The success of testing for errors in progress depends critically on the test case. Verification is done on the output of each, but still some faults are likely to remain undetected. This fault will be eventually reflected in the code for this, different levels of testing are used, which tests the different aspects of the system.

Testing Methods

The basic levels of testing are:

- Unit Testing
- Integratiion Testing
- System Testing
- Acceptance Testing

System testing is the stage of implementation, which is aimed at ensuring that the system works accurately and efficiently before live operation commences. Testing is vital to the success of the system. Testing is the process of executing a program with the explicit intention of finding errors that is making the program fail. The tester may analysts, programmer or a specialist trained for software testing, is actually trying to make the program fail. Analysts know that an effective testing program does not guarantee system reliability. Therefore, reliability must be designed into the system.

Unit Testing

In unit testing we have to test the programs making up the system. For this reason, unit testing is sometimes called as the Program testing. The software units in a system are modules and routines that are assembled and integrated to perform a specific function.

Unit testing focuses first on modules, independently of one another, to locate errors. This enables, to detect errors in coding and logic that are contained within the module alone. Unit testing can be performed from the bottom up, starting with the lowest level modules and proceeding one at a time. Unit testing is done for each module in Say Trees. This ensures that the value we enter match with the data type and within the specified limits. Unit testing is commonly automated, but may still be performed manually. The objective in unit testing is to isolate a unit and validate its correctness. A manual approach to unit testing may employ a step-by-step instructional document. However, automation is efficient for achieving this, and enables the many benefits listed in this article. Conversely, if not planned carefully, a careless manual unit test case may execute as an integration test case that involves many software components, and thus preclude the achievement of most if not all of the goals established for unit testing.

Integration Testing

Data can be lost across any interface, one module can have an adverse effect on another, sub functions when combined, may not produce the desired major functions. Integration testing is a systematic testing for conducting tests to uncover errors associated within the interface. All the modules are combined and tested as a whole. Here correction is difficult because the vast expenses of the entire program complicate the isolation of causes. Thus in the integration testing step, all the errors are corrected for the next testing steps. In Say Trees each module is integrated and tested. This testing provides the assurance that the application is well integrated functional unit with smooth transition of data.

System Testing

System Testing is a black box testing technique performed to evaluate the complete system the system's compliance against specified requirements. In System testing, the functionalities of the system are tested from an end-to-end perspective.

System Testing is usually carried out by a team that is independent of the development team in order to measure the quality of the system unbiased. It includes both functional and Non-Functional testing.

S.N	Test Actions	Description	Actual Output	Status
1.	Do not enter any login credentials and click on submit.	Username and Password field is left blank.	Username or password can't be left blank.	Pass
2.	Login using correct credentials for user account.	All fields were filled with correct data.	Directs to the homepage.	Pass
3.	Enter wrong credentials (User id or password)	Wrong user id or password entered.	Please enter the correct username and password.	Pass
4.	Login using correct credentials for admin.	All fields were filled with correct data.	Directs to the Admin Page.	Pass
5.	Click on new user registration from the navbar.	Allows the user to register.	Directs to login page.	Pass
6.	Don't fill the form and click on submit.	Username, email, service fields are left blank.	Required details	Pass

Test cases for unit testing

S.N	Test Actions	Description	Actual Output	Status
1.	Signup/ register a new user using the signup form.	If all the fields are correctly filled then the data should go to backend and store the input.	New user registered.	Pass
2.	Click on the Admin page to view user details.	Admin login page should be opened. Admin should be able to access user details.	Access the user details.	Pass
3.	In Admin page select the Donor details.	Admin should be able to access the details of all the donors.	Displays the amount donated and other donor details.	Pass
4.	Login using correct credentials for admin.	All fields were filled with correct data.	Directs to the Admin Page.	Pass
5.	Click on donation form.	Allows the user to fill the donor form and donate number of items.	The donor should signup first then donate.	Pass

Test cases for Integration testing

S.N	Test Actions	Description	Actual Output	Status
1.	Users who have registered should be able to view clothing items and add to cart.	The subtotal of all the items added to the cart are displayed	Buy or Empty the cart.	Pass
2.	Click on the empty button.	Empty button clears the shopping cart.	Cart cleared and subtotal null.	Pass
3.	Click buy button.	After adding clothes to the cart buy button is pushed.	Displays a Thank You message.	Pass

Test cases for System testing

CONCLUSION

Our main focus with this project is to spread awareness about the importance of sea shells. Conch is a symbol associated with Lord Vishnu and is used in all Hindu temples during pujas and ceremonies. In certain places conches are tied in Mangalsudra (holy garland), in the door lintels, around the neck of cattle and children as talisman to bring prosperity or ward off evil. Conch is also used as a spoon for giving milk to children. It is also used in the preparation of medicines. With the latest development in interior decorations the shell craft industry has lesser scope to develop. Either in the form of paper-weight or keychain or women's ornaments, the originality and kaleidoscopic colors could invite the attention of the people in this business.

FUTURE ENHANCEMENT

For future we will be hiring trained artist having required sea shell crafting skill sets for building confidence and developing innovative product. We will provide a platform in which customers can customize the shell crafts according to their wish. Our trained artist will manufacture the crafts according to the customer’s choice. We can expand the business by selling sea creatures at an affordable price. We would like to expand the business in abroad countries so that the unique shells can be collected and sold all over the world.

BIBLIOGRAPHY

Stack Overflow: Answering queries regarding the errors encountered during coding. W3Schools: HTML and CSS

Odin Project: HTML, CSS and JavaScript

Youtube: Code with Harry - Php installation and basics.

Daily Tution- Cart Page

Abrahamsi. Silberschatz, Henry. F. Korth, S. Sudarshan, "Database System Concepts" 6th Edition, McGraw Hill, 2021: Concepts of Database Management System

Ian Sommerville - Software Engineering, 9th Edition, Pearson Education Ltd, 2010 - Software Testing and Data Flow Diagram (DFD)