



SHELL-MART

01

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Website to provide the
users and enterprises a
medium to **buy Shell**
Energy Products.

A tool for quick and easy selling of Shell Products.

...

Need for a platform

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1. We made this platform to reach a wider audience and increase sales. We can showcase the products and services to potential customers.
2. We can reduce operational costs, such as rent, utilities, inventory, and staff, by running your business online.
3. It serves its purpose for the general public and enterprises all over the world.



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Inspiration & Motivation



This is a User Application where variety of products can be showcased and sold. We wanted the Shell products to be used in very household and large scale companies.

It is a reliable platform and the go to place for all shell products.

Our platform offers the customers convenience and flexibility on ordering the shell products.

Approach

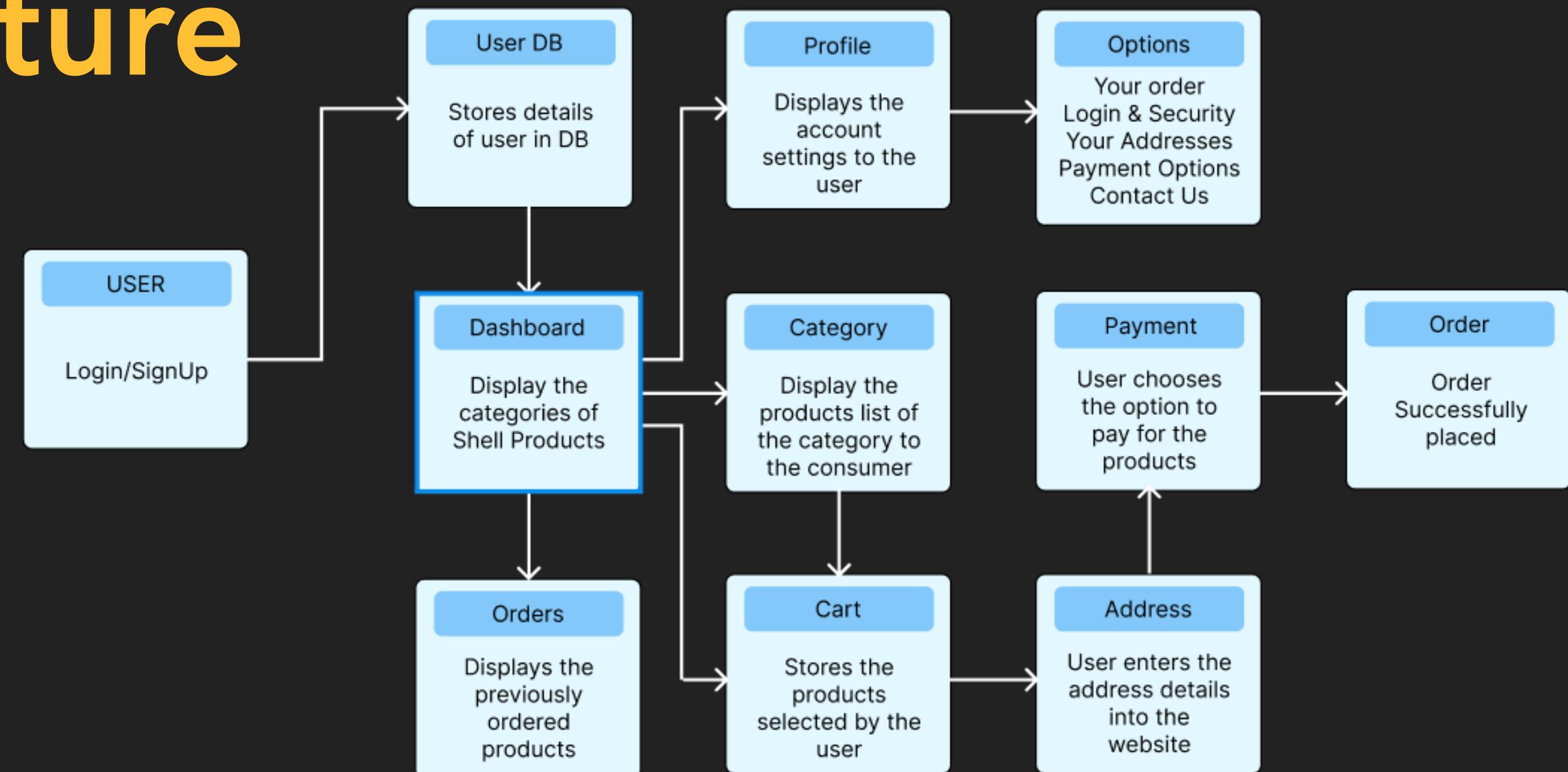
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- We have created multiple databases so that we can store the information submitted by the user while displaying the information about the products on to the platform.
- Any type of user should be able to navigate our platform, so the user experience was a high priority.
- The user profile should be able to see their previous ordered products and review their purchases.



System Architecture

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Online Features

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**Data Security in
the database
through hashing**

Keeping track of the time at which data was created for future feature additions.

**User
Authentication
(Login/Signup)**

The user can search for products amongst the variety of categories provided by Shell.

User can also look for order reports of the products bought.

Using a third party payment gateway like PayU or NuPay for added security during the payment.

Technology Used

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Figma

Designing of the website

React

To create the frontend and state control of the website

CSS

To make website more user-friendly and enhance responsiveness

JWT

Used for Authentication and information exchange.

PostgreSQL

To create the database for our website used for complete workflow

ASP.NET Core

Used for developing the server side for integration with the frontend

Swagger

Used for API Testing

Bcrypt

Used for Data Encryption and security

And some npm modules

...



Hydraulic Fluids
fire-resistant fluid
product performance,
corrosion requirements



AntiFreeze
designed to protect
heat transfer and protect
from damage caused by
corrosion

Shell - Sell

[Home](#) [Orders](#)



Power Engine Oil
Shell Argina and Shell Gadiula trunk
piston engine oils have been developed
by Shell in order to support our
customers both in the power and
marine segments.



Shell Omala Gear Oil
Drive system efficiency, increase
productivity and reduce your total cost
of ownership with the Shell Omala range
of gear oils

Shell - Sell

[Contact Support](#)

Login Signup

Username

Password

[Forgot Password?](#)



Address Information

Personal Information

Name

Phone No.

Email

Address Details

Address Line

City

State

Country

Pin Code

[Payment Methods →](#)

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First Name

Email

Phone No.

Password

Confirm Password

Sign Up

Shell has been a customer
business and today has more
than 1 million business and 100
million consumer customers

Hello, Kushagra

Your Orders
Track or order again

Login & Security
Edit login, name and mobile
number

Your Addresses
Edit or Add addresses

Payment Options
Edit or add payment
methods

Contact Us
File complaints or chat with
us

Demo

10

Shopping Cart



Shell EcoSafe S1 DU

Less flammable hydraulic fluid designed for systems
requiring a readily biodegradable, low-toxicity hydraulic
fluid.

Qty: 1

[Delete](#)

Price: 50000

By signing up, I agree to the

[Sign Up](#)

or [Log In](#)

[Login](#) [Signup](#)

Username

Password

[Log In](#)

[Forgot Password?](#)



Sign Up

Shell has been a customer business and today has more than 1 million business and 100 million consumer customers across the globe.



Shell - Sell

First Name

Last Name

Email

Phone No.

Date Of Birth



Password



Confirm Password



By signing up, I agree to [terms and conditions](#).

Sign Up

or [Login](#)

Data Output Messages Notifications



	Id [PK] integer	Email text	hashedEmail text	phoneNumber text	firstName text	lastName text	fullName text	dateOfBirth timestamp wi	Password text	salt text
1	1	vansh@gmail.com	\$2b\$10\$11/sxpeLwAOtNrP/IP2...	\$2b\$10\$11/sxpeLwAOt...	Vansh	Sehgal	Vansh Sehgal	2001-09-1...	\$2b\$10\$1...	\$2b\$10\$11/sxpe...
2	2	test@gmail.com	\$2b\$10\$z.aDdBx0u3cpITMHy7...	\$2b\$10\$z.aDdBx0u3cpI...	Test	Test	Test Test	2001-01-0...	\$2b\$10\$z...	\$2b\$10\$z.aDdB...
3	3	vyom@gmail.com	\$2b\$10\$Qyzp97AXJ7W2anlJQ...	\$2b\$10\$Qyzp97AXJ7W...	Vyom	Chopra	Vyom Chopra	2001-10-1...	\$2b\$10\$...	\$2b\$10\$Qyzp97...
4	4	raju@gmail.com	\$2b\$10\$2p47X6obvrieGD7yGt...	\$2b\$10\$2p47X6obvrieG...	raju	kumar	raju kumar	2023-01-1...	\$2b\$10\$2...	\$2b\$10\$2p47X6...

Categories



Fire Resistant Hydraulic Fluids

Choosing the right fire-resistant fluid involves balancing product performance, cost and regulatory requirements



Power Engine Oil

Shell Argina and Shell Gadiula trunk piston engine oils have been developed by Shell in order to support our customers both in the power and marine segments.



Coolant & AntiFreeze

Coolants are designed to protect engines from overheating and protect the cooling system from damage caused by corrosion



Shell Omala Gear Oil

Drive system efficiency, increase productivity and reduce your total cost of ownership with the Shell Omala range of gear oils



	Id [PK] integer	categoryId integer	name text	description text	productImage text
1	1	1	Shell Turbo S5 DR	HFDR, tri-aryl phosphate based on butylated phenol, 209 L, viscosity grade...	iVBORw0KGgoAAAANSUhEUgAAPQAAAFBCAYAAABAX4KMAAAYbmIDQ1BJC
2	2	1	Shell Fire-Resistant Hydraulic Fluid S3 DU	HFDU, HFDU: nonaqueous synthetic polyalkylene glycol (PAG/ HPEG), 209...	/9j/4QC8RXhpZgAASUkqAAgAAAAGABIBAwABAAAAAQAABoBBQABAAAAG
3	3	1	Shell Fire-Resistant Hydraulic Fluid S2 DU	HFDU: nonaqueous synthetic organic esters (HEES), 209 L, Viscosity grad...	/9j/4AAQSkZJRgABAQEAYABgAAD//gA7Q1JFQVRPUjogZ2QtanBIZyB2MS4wIC
4	4	1	Shell Fire-Resistant Hydraulic Fluid S1 DU	HFC: Water-glycol, 209 L, Viscosity grade 46, High-pressure performance ...	/9j/4AAQSkZJRgABAQEAYABgAAD//gA7Q1JFQVRPUjogZ2QtanBIZyB2MS4wIC
5	5	2	Shell Omala S4 GXV	Synthetic (advanced EP system), 209 L, Viscosity grade 68, Approved by S...	/9j/2wBDAAQDAwQDAwQEBAQFBQQFBwsHBwYGBw4KCggLEA4RERAOE8SF
6	6	2	Shell Omala S2 GX	Conventional (EP), 209 L, Viscosity grade 68, Approved by Siemens for Fle...	/9j/2wBDAAQDAwQDAwQEBAQFBQQFBwsHBwYGBw4KCggLEA4RERAOE8SF
7	7	2	Shell Omala S5 Wind	Synthetic (polyalphaolefin), 209 L, Viscosity grade 320, Good wear protect...	/9j/4AAQSkZJRgABAQEBlAEsAAD/2wBDAAEBAQEBAQEBAQEBAQEBAQ
8	8	2	Shell Omala S4 WE	Synthetic (polyalkylene glycol), 209 L, Viscosity grade 150, Approved by or...	/9j/2wBDAAQDAwQDAwQEBAQFBQQFBwsHBwYGBw4KCggLEA4RERAOE8SF
9	9	3	Shell Argina S5	Extra protection from deposits and corrosion, Extended oil life, BN55, 209 ...	/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAA4ODg4PDhASEhAXBYYFyEfHBw
10	10	3	Shell Argina S4	Extra protection from deposits and corrosion, Extended oil life, BN40, 209 ...	/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAA4ODg4PDg8REQ8WFxUXFiAdGxs
11	11	3	Shell Gadinia S3	Extra protection from deposits and corrosion, Wide applicability in non-en...	/9j/2wBDAAQDAwQDAwQEBAQFBQQFBwsHBwYGBw4KCggLEA4RERAOE8SF
12	12	4	Shell Coolant Extra	Water based OAT (Organic Additive Technology), Non-antifreeze coolant c...	/9j/2wBDAAQDAwQDAwQEBAQFBQQFBwsHBwYGBw4KCggLEA4RERAOE8SF
13	13	4	Shell Coolant Longlife Plus	Glycol based premium OAT (Organic Additive Technology) coolant concen...	/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAAUFBQoHCgoKCg0WEBANEBAcFQ
14	14	4	Shell Gadinia S3	Glycol based premium OAT (Organic Additive Technology) coolant concen...	/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAAoHCBIVEhIREhESEREREhIPEhESE

The screenshot shows a database table with the following structure and data:

	Id [PK] integer	name text	description text	image text
1	1	Fire Resistant Hydraulic Fluids	Choosing the right fire-resistant fluid can be a complex decisi...	/9j/4AAQSkZJRgABAQAAAQABAAD/4gHYSUNDX1BST0ZJTEUAAQEEAAHIAAAAA
2	2	Shell Omala Gear Oil	Drive system efficiency, increase productivity and reduce your ...	/9j/4AAQSkZJRgABAQAAAQABAAD/4gHYSUNDX1BST0ZJTEUAAQEEAAHIAAAAA
3	3	Power Engine Oil	Shell Argina and Shell Gadinia trunk piston engine oils have be...	/9j/4AAQSkZJRgABAQAAAAAAAAD/2wBDAAMCAgICAgMCAgIDAwMDBAYEBAQE
4	4	Coolant & AntiFreeze	Coolants are designed to protect engines from overheating an...	/9j/4AAQSkZJRgABAQAAAAAAAAD/2wBDAAMCAgICAgMCAgIDAwMDBAYEBAQE

Fire Resistant Hydraulic Fluid

**Aeroshell Fluid 31**

HFDU: nonaqueous synthetic polyalkalyne glycol (PAG/ HPEG), 209L, viscosity grade 46, excellent wear protection, oxidation and thermal stability

**Tellus S3 V 46**

HFC: water-glycol, 209L, viscosity grade 46, high pressure performance up to 4000 psi, all season performance. FM approved.

**Naturella Fluid HF-E-46**

HFDU: nonaqueous synthetic organic esters(HEES), 209 L, Viscosity grade 46, good wear protection and system efficiency, readily biodegradable, low toxicity.

**Shell Turbo S5 DR**

HFDR, tri-aryl phosphate based on butylated phenol, 209L, viscosity grade 46, good oxidation and hydrolytic stability, FM Approved

Shopping Cart



Shell EcoSafe S1 DU

Less flammable hydraulic fluid designed for systems requiring a readily biodegradable, low-toxicity hydraulic fluid.

Qty: 1 ▾

[Delete](#)

Price: 50000



Shell Omala S4 GXV 220

It is formulated using an advanced additive system in combination with specially selected synthetic basefluids

Qty: 1 ▾

[Delete](#)

Price: 50000

[Proceed to buy](#)**Subtotal: 100000**

Address Information

Personal Information

Name

Phone No.

Email

Address Details

Address Line

City

State

Country

Pin Code

Payment Methods →

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← Payment Method

UPI
Unified Payments Interface



NetBanking



Cards



Card Holder Name



Card Number

Expiry Date

CVV

Submit



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Can't Stop, Won't Stop:
The Learning Continues.

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