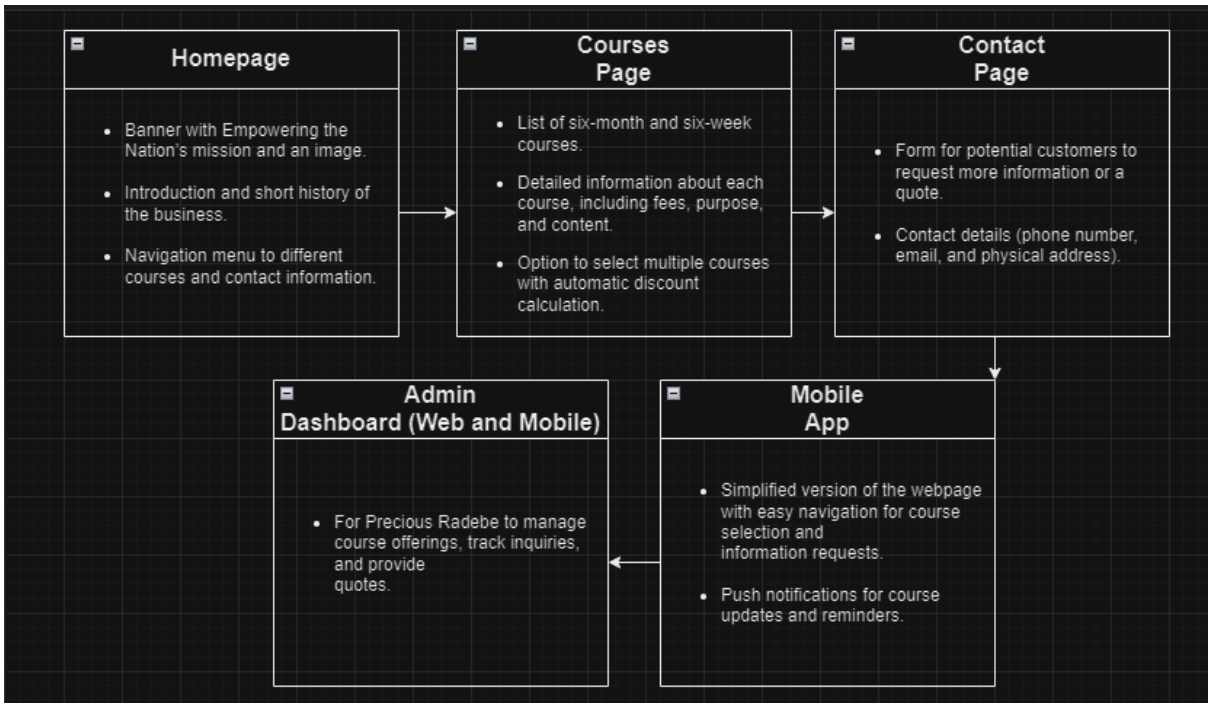
DevDevelopers

Milestones

XHAW5112

Milestone 1

- **Objective**: The website and mobile application should effectively promote "Empowering the Nation" and embody its professional image.
- **Design Requirements**: The design needs to integrate appropriate imagery, fonts, and colours that correspond with the company's professional image and objectives.
- **History and Mission**: Include a section detailing the history and mission of "Empowering the Nation," emphasizing its community impact and purpose.
- **Course Listings**: Provide detailed information about each course, including fees, purpose, and content, for both six-month programs and six-week short courses.
- **Course Selection**: Give customers the ability to choose one or more courses from the list of possibilities and include an algorithm to determine and apply discounts based on the amount of courses chosen.
- **User Interface**: Make sure the mobile app and website have an easy-to-use interface that is simple for people of all tech skill levels.

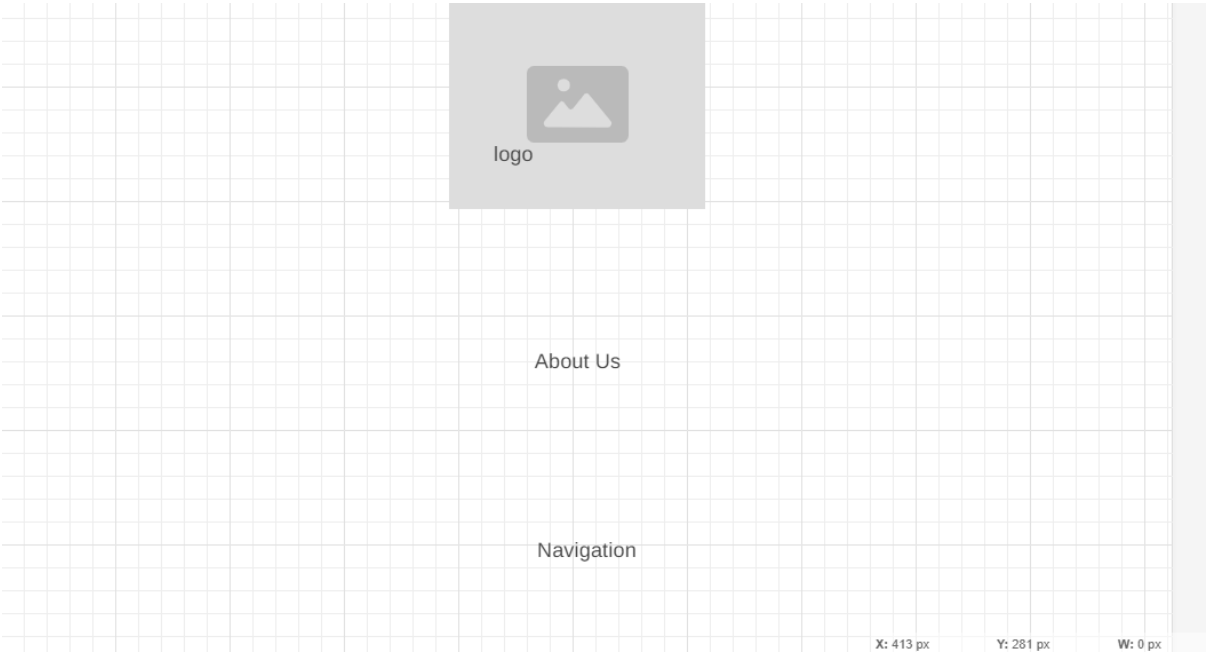

Homepage
Banner with Empowering the Nation's mission and an image.
Introduction and short history of the business.
Navigation menu to different courses and contact information.
Courses Page
List of six-month and six-week courses.
Detailed information about each course, including fees, purpose, and content.
Option to select multiple courses with automatic discount calculation.
Contact Page
Form for potential customers to request more information or a quote.
Contact details (phone number, email, and physical address).
Admin Dashboard (Web and Mobile)
For Precious Radebe to manage course offerings, track inquiries, and provide quotes.
Mobile App
Simplified version of the webpage with easy navigation for course selection and information requests.
Push notifications for course updates and reminders.

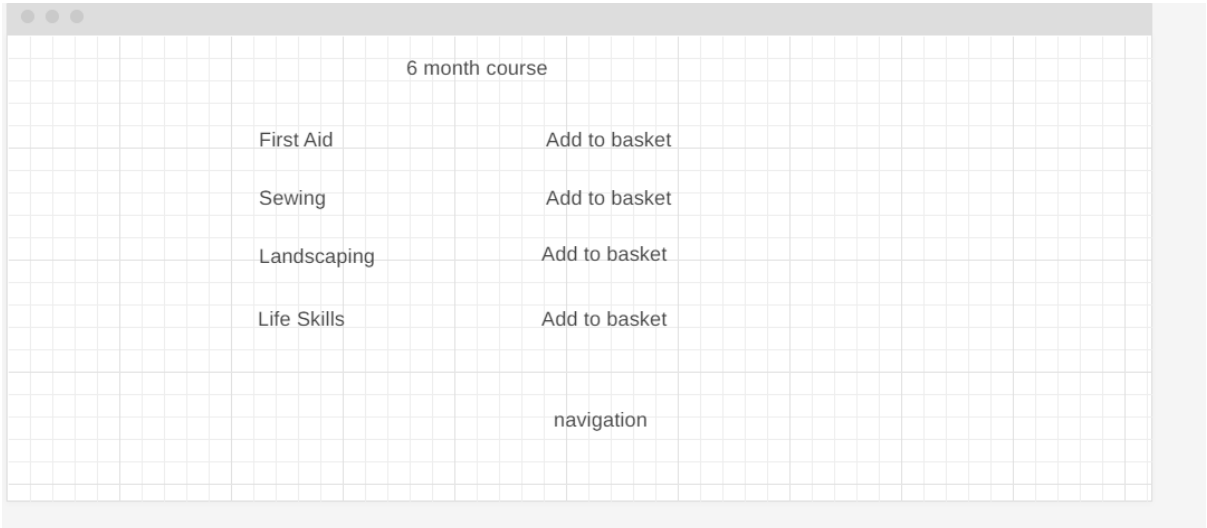
LOGO

DOMESTIC SKILL ACADEMY
DSA
TAKE YOUR DOMESTIC SKILLS TO A HIGHER LEVEL

Wireframes

Home





6 week course

Child minding Add to basket

Cooking Add to basket

Garden maintenance Add to basket

navigation

Calculate Total Fees

- [ ] First Aid
- [ ] Sewing
- [ ] Landscaping
- [ ] Life Skills
- [ ] Child minding
- [ ] Cooking
- [ ] Garden maintenance

Total cost is:

Navigation

logo

contact information

number
email
whatsapp number

Address

Navigation

Milestone 2

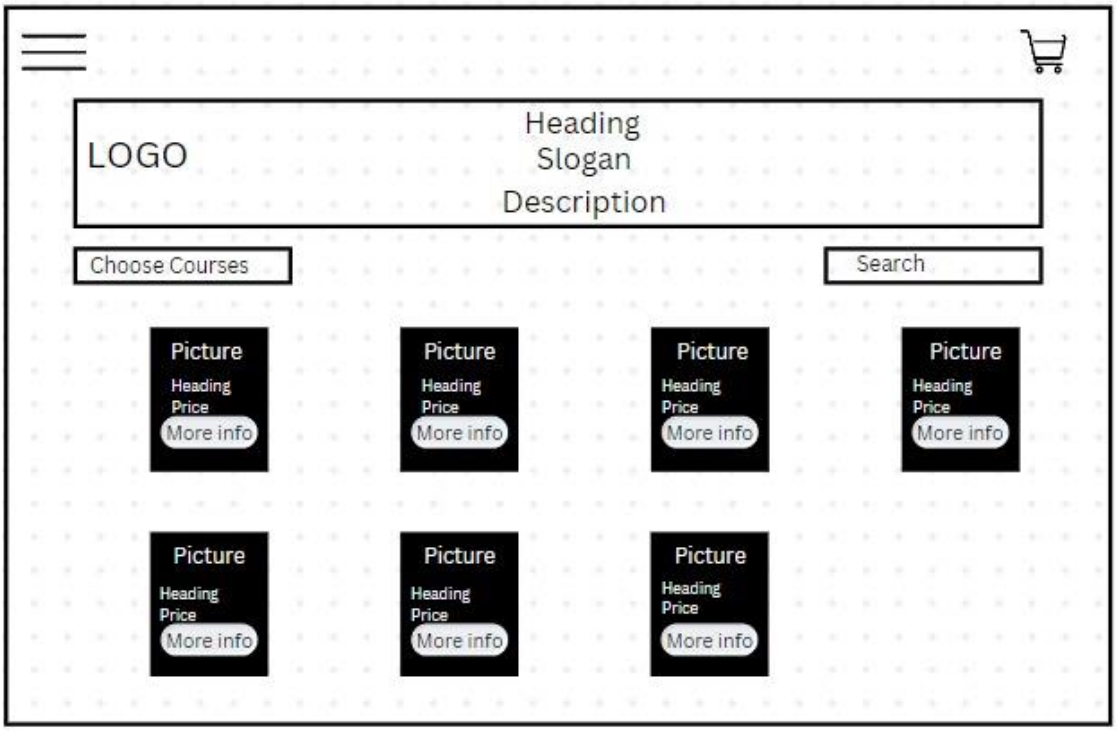
My group and I decided to make a whole new logo together and incorporate everyone's ideas in one.

And this was our final decision for the company logo:

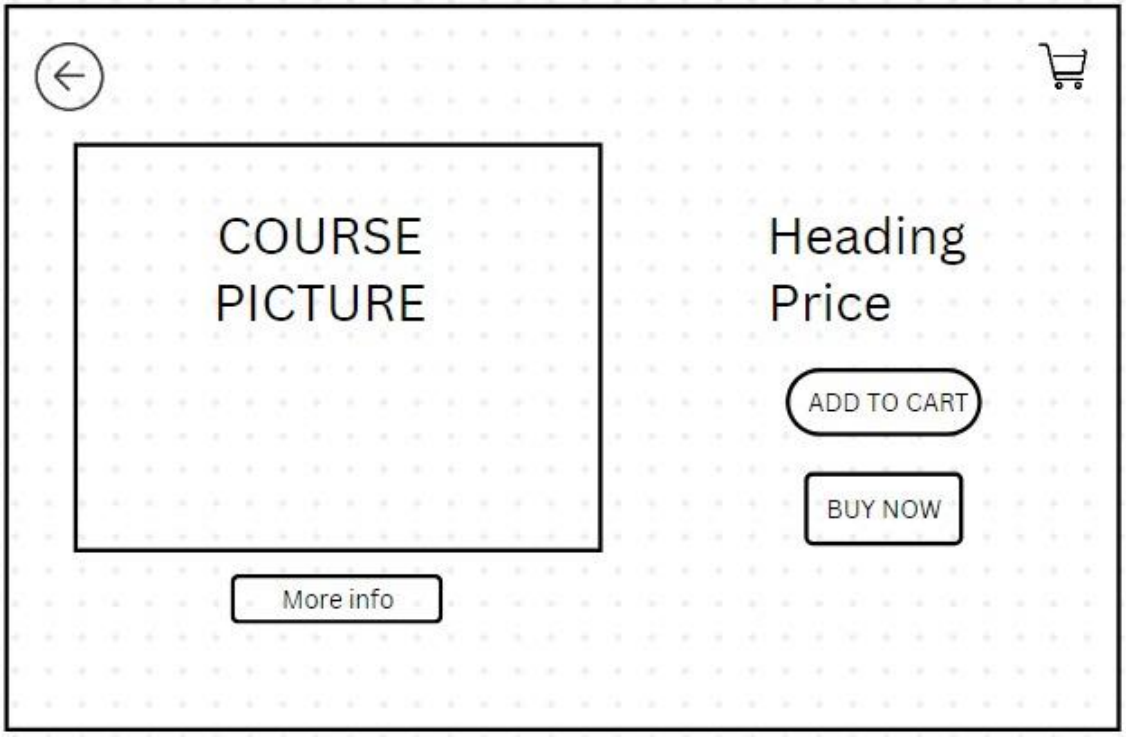
For the app and website design we went with kaydans wireframes.

Website:

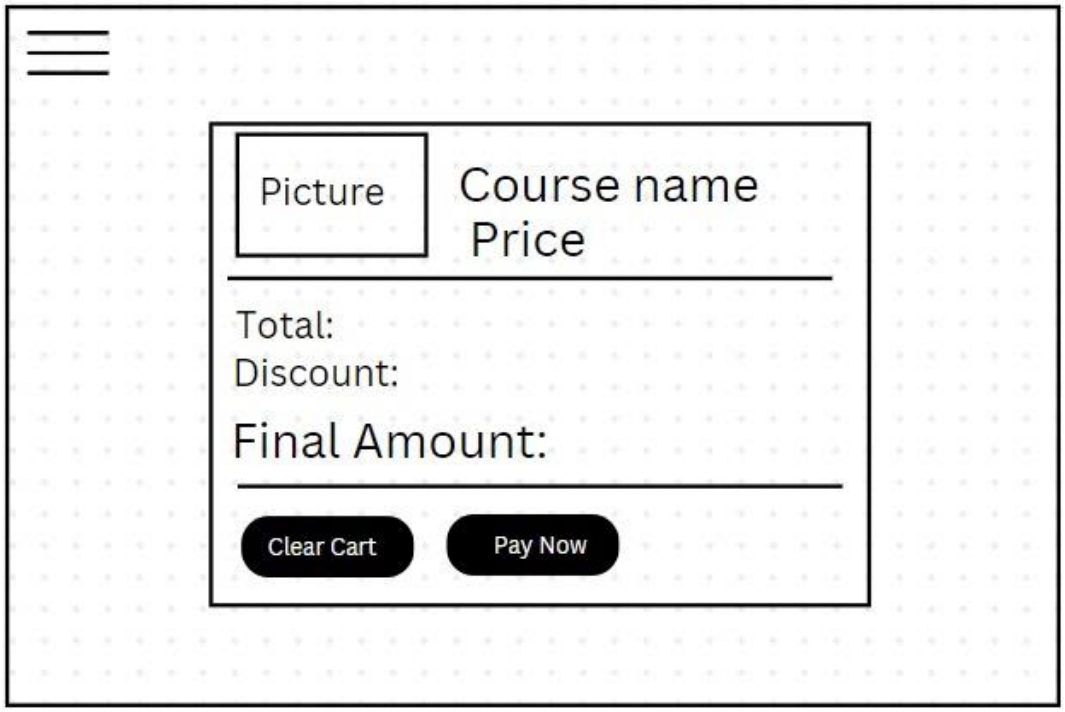
Main page



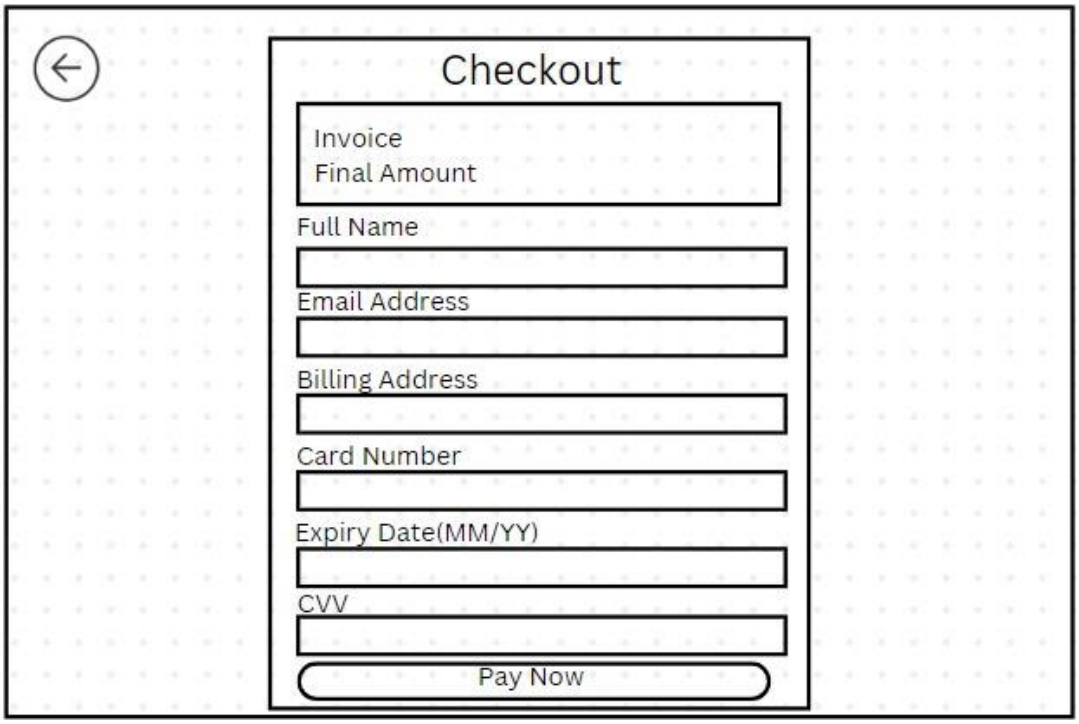
Course descriptio page



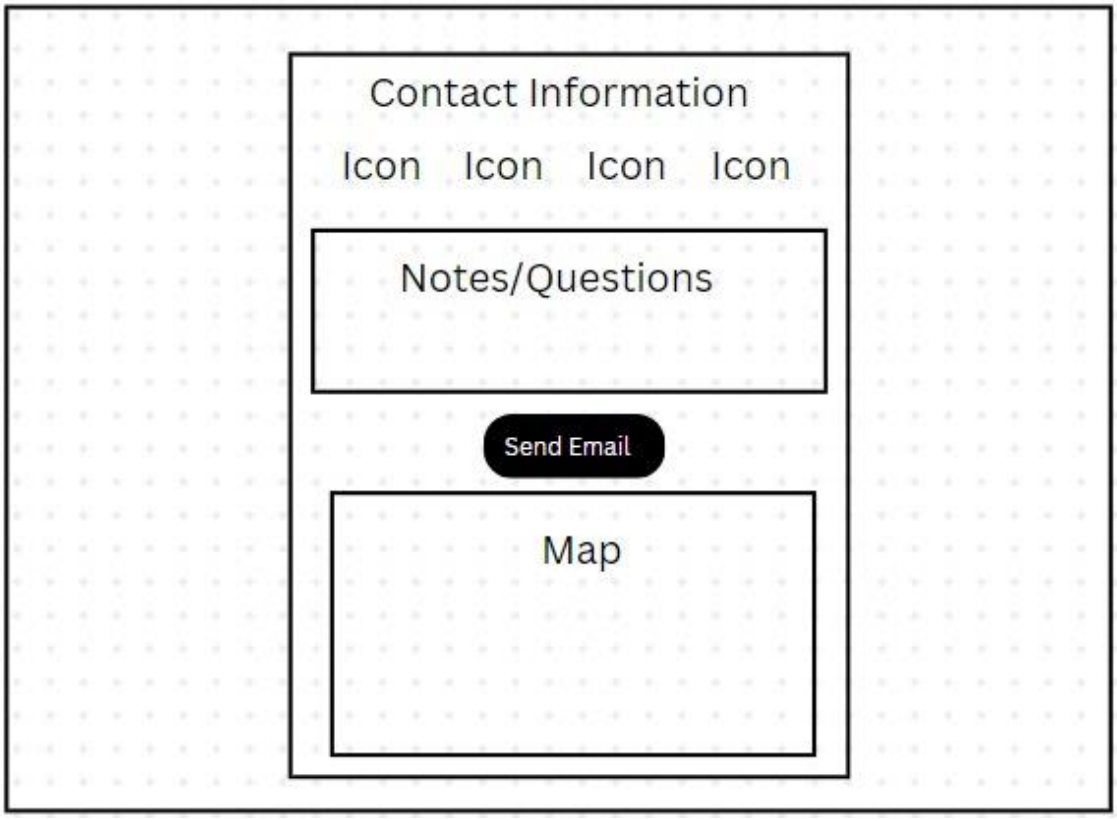
Cart page



Checkout page

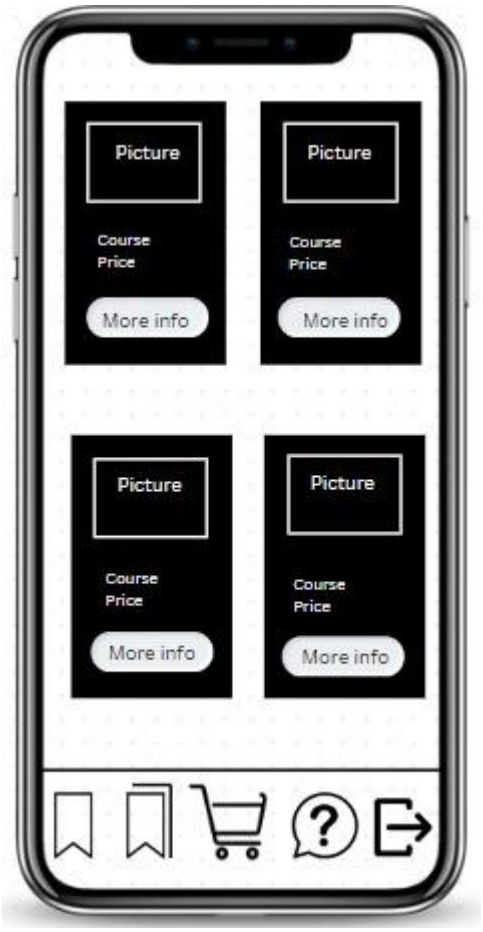


Contact Information page



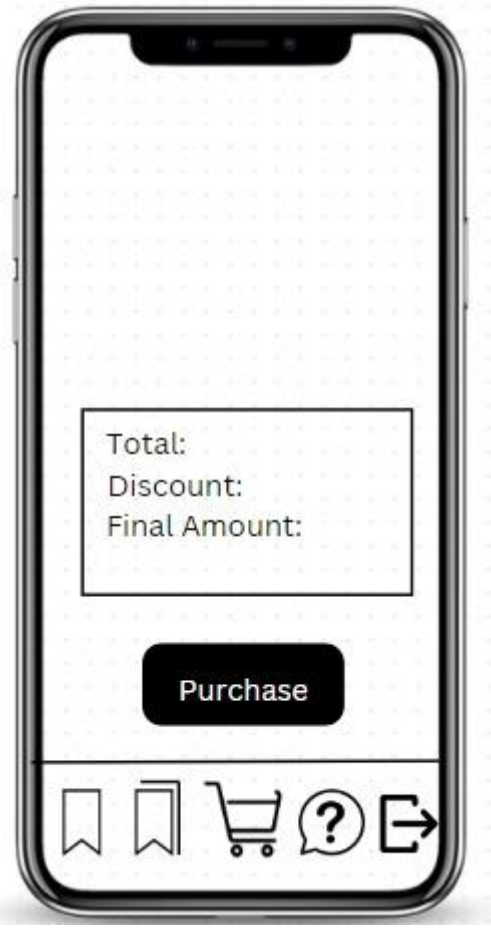
App wireframes

6 week and 6 month course pages



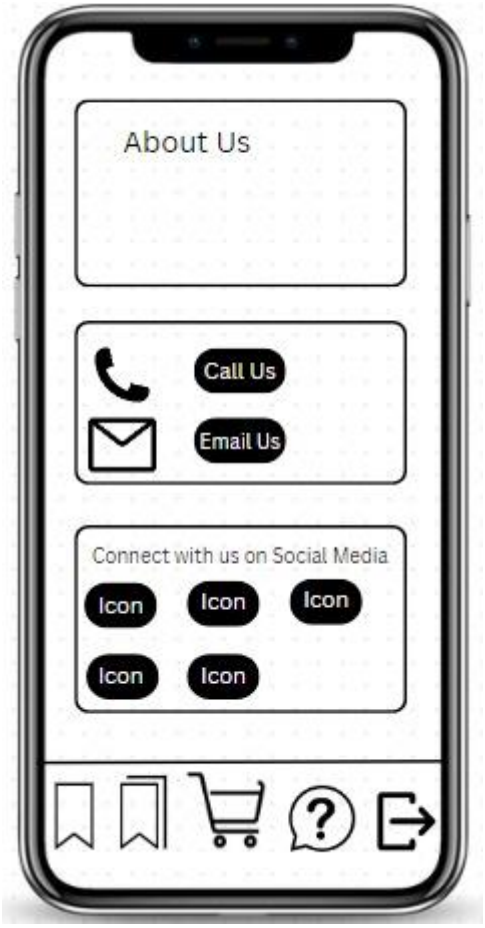
Course description page

Cart page



Payment screen

Contact info page

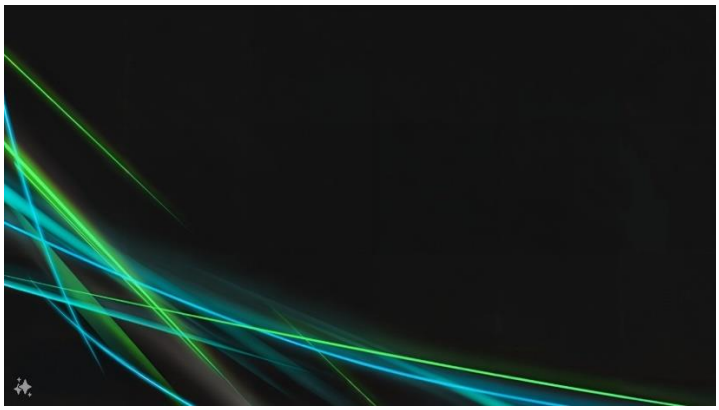


Log out page

Design of website

For the logo we went with the logo the whole team helped create:

For the background on the website we went with two different images:



Buttons and linking

Linking for the social media platforms

```
<div class="container">
    <h1>Contact Information</h1>
    <div class="icon-grid">
        <a href="https://www.instagram.com/accounts/login/?next=https%3A%2F%2Fwww.instagram.com%2Faccounts%2Fedit%2F%3F
            <img src="Img/instagram.jpg" alt="Instagram" class="icon">
        </a>
        <a href="https://www.facebook.com/login.php/" target="_blank">
            <img src="Img/facebook.jpg" alt="Facebook" class="icon" >
        </a>
        <a href="https://web.whatsapp.com/" target="_blank">
            <img src="Img/WhatsApp.png" alt="WhatsApp" class="icon">
        </a>
        <a href="https://github.com/ShikharBahal/Online_EDU_App.git" target="_blank">
            <img src="Img/github.png" alt="GitHub" class="icon">
        </a>
        <a href="https://x.com/login" target="_blank">
            <img src="Img/X.png" alt="X" class="icon">
        </a>
    </div>
```

```
    <hr>
    <div id="cartActions">
        <button id="clearCartButton">Clear Cart</button>
        <button id="payNowButton" onclick="redirectToPayment()">Pay Now</button>
    </div>
</div>

<script>
```

```
                <a href="contact.html"><li>Contact</li></a>
            </ul>
        </div>
        <!-- Cart icon -->
        <a href="cart.html" id="cartIcon">
            <img src="Img/Shopping_Cart.png" alt="Cart">
        </a>
    </nav>
```

Linking of css and java script

```
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="css/coursedescrip.css">
    <script src="Java/coursedescrip.js" defer></script>
    <title>Course Details</title>
</head>
```

SEO

```
<div id="menuToggle">
    <input type="checkbox" />
    <span class="bar"></span>
    <span class="bar"></span>
    <span class="bar"></span>
    <ul id="menu">
        <a href="courses.html"><li>Courses</li></a>
        <a href="cart.html"><li>Cart</li></a>
        <a href="contact.html"><li>Contact</li></a>
    </ul>
</div>
```

```
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="css/coursedescrip.css">
    <script src="Java/coursedescrip.js" defer></script>
    <title>Course Details</title>
</head>
<body>
    <!-- Back Button -->
    <a href="courses.html" id="backButton">
        <img src="Img/Back button.png" alt="Back" id="backIcon">
    </a>
```

Design of App

For the logo we went with the same one as the website which the whole team helped create:

Colour

For colour we went with a basic solid colour to keep the design simple. We went with a simple grey background and blue navigation bar with green buttons and white text.

Buttons and linking

Payment screen buttons and linking

```
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_payment)

        val backbut = findViewById<ImageView>(R.id.imageView5)
        val pay = findViewById<Button>(R.id.button4)

        pay.setOnClickListener {
            val intent = Intent(this, thank_you::class.java)
            startActivity(intent)
        }

        backbut.setOnClickListener {
            onBackPressed()
        }
```

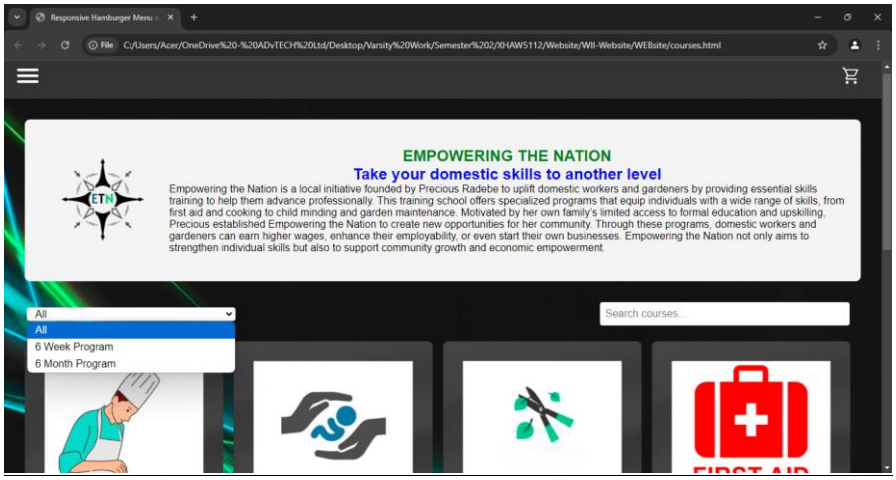
Course description linking and buttons

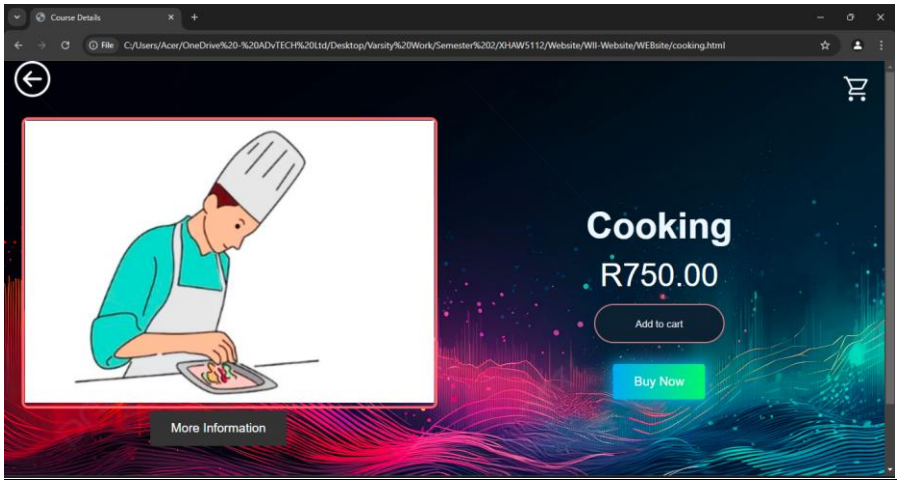
```
    val backbut = findViewById<ImageView>(R.id.imageView3)
    val pay = findViewById<Button>(R.id.button)
    val cartBtn: ImageView = findViewById(R.id.cartbtn)
    val productName = "Cooking"
    val productPrice = 750.00

    // Check if the item is in the cart
    isInCart = CartManager.getCartItems().any { it.name == productName && it.price == productPric
    updateCartButton(cartBtn, isInCart)

    cartBtn.setOnClickListener {
        if (isInCart) {
            // Remove the item from the cart
            CartManager.removeFromCart(CartItem(productName, productPrice))
            Toast.makeText(this, "$productName removed from cart", Toast.LENGTH_SHORT).show()
            updateCartButton(cartBtn, false) // Update button to indicate item can be added
        } else {
            // Add the item to the cart
            CartManager.addToCart(CartItem(productName, productPrice))
            Toast.makeText(this, "$productName added to cart", Toast.LENGTH_SHORT).show()
            updateCartButton(cartBtn, true) // Update button to indicate item can be removed
        }
        isInCart = !isInCart // Toggle the state
    }
```

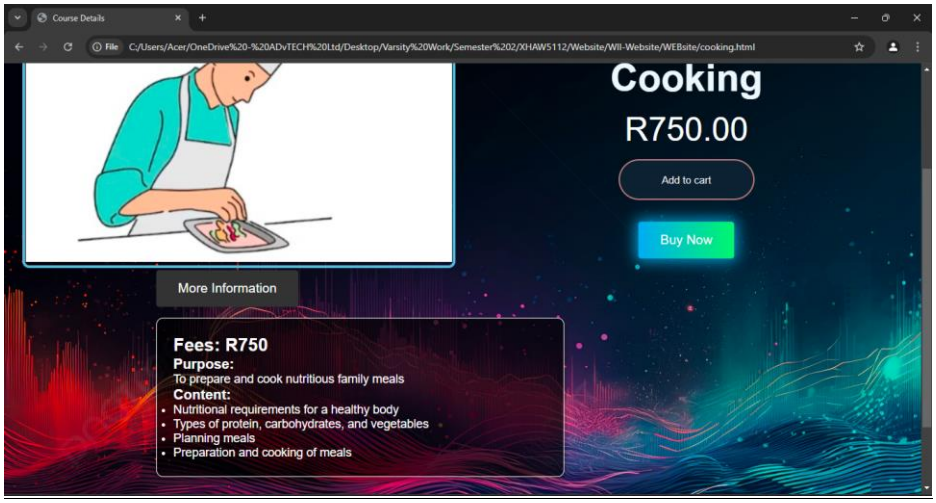
Milestone 3

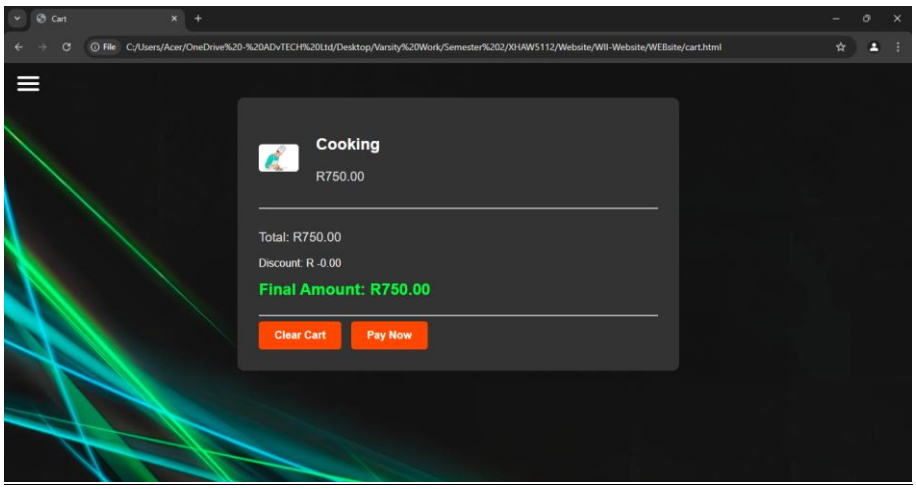
Development of the web page and mobile app.

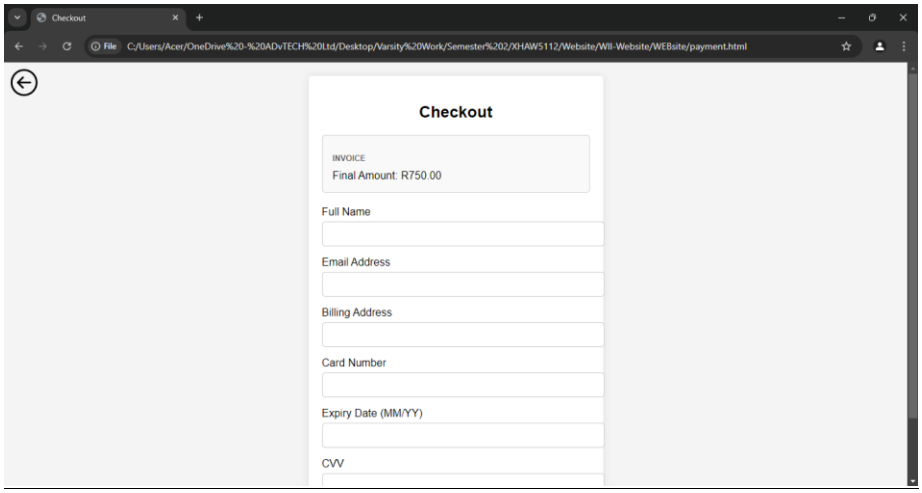
Website

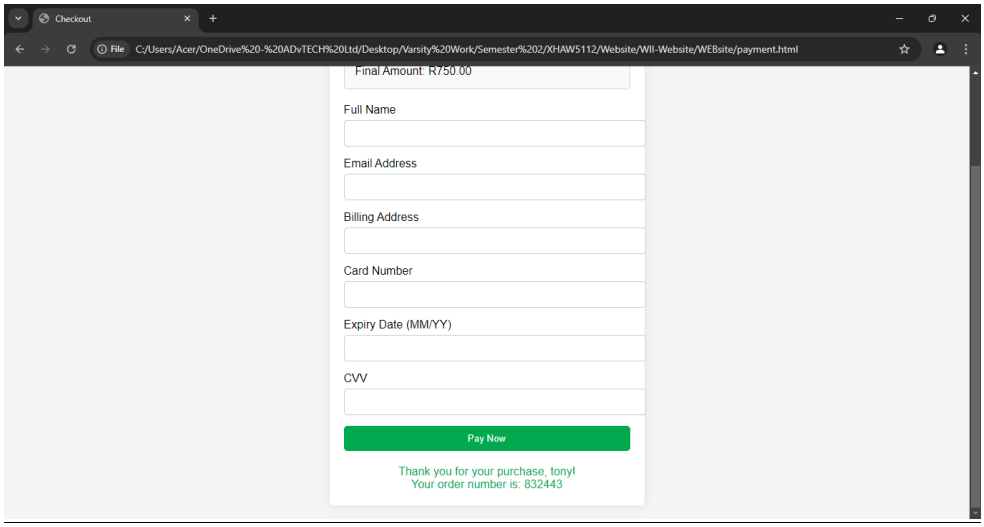





Course Details
C:/Users/Acer/OneDrive%20-%20ADvTECH%20Ltd/Desktop/Varsity%20Work/Semester%202/XHAW5112/Website/WII-Website/WEBsite/cooking.html
Cooking
R750.00
Add to cart
Buy Now
More Information
Fees: R750
Purpose:
To prepare and cook nutritious family meals
Content:
Nutritional requirements for a healthy body
Types of protein, carbohydrates, and vegetables
Planning meals
Preparation and cooking of meals

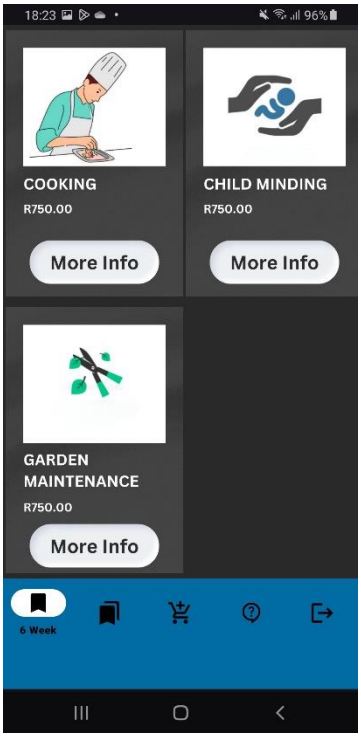

Cart
C:/Users/Acer/OneDrive%20-%20ADvTECH%20Ltd/Desktop/Varsity%20Work/Semester%202/XHAW5112/Website/WII-Website/WEBsite/cart.html
Cooking
R750.00
Total: R750.00
Discount: R -0.00
Final Amount: R750.00
Clear Cart
Pay Now

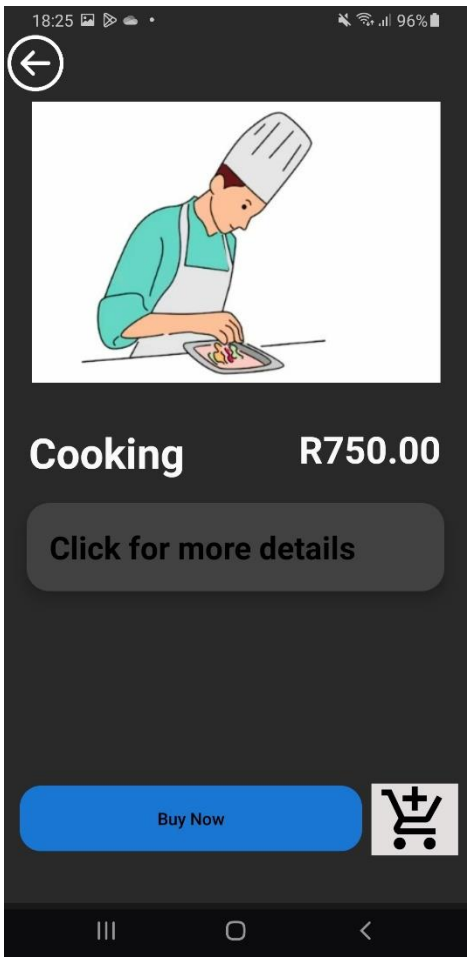

Checkout
C:/Users/Acer/OneDrive%20-%20ADvTECH%20Ltd/Desktop/Varsity%20Work/Semester%202/XHAW5112/Website/WII-Website/WEBsite/payment.html
Checkout
INVOICE
Final Amount: R750.00
Full Name
Email Address
Billing Address
Card Number
Expiry Date (MM/YY)
CVV


Checkout
File C:/Users/Acer/OneDrive%20-%20ADvTECH%20Ltd/Desktop/Varsity%20Work/Semester%202/XHAW5112/Website/WII-Website/WEBsite/payment.html
Final Amount: R750.00
Full Name
Email Address
Billing Address
Card Number
Expiry Date (MM/YY)
CVV
Pay Now
Thank you for your purchase, tony!
Your order number is: 832443

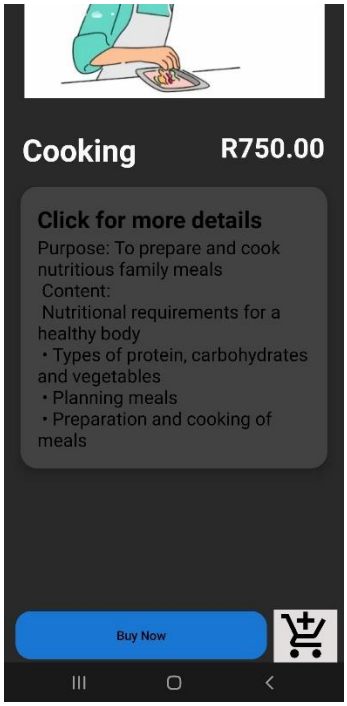
App

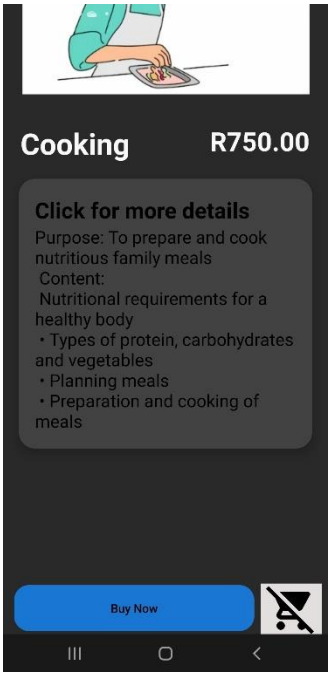
Empowering the Nation
ETN
Take your domestic skills
TO ANOTHER
LEVEL
Let's Get Started

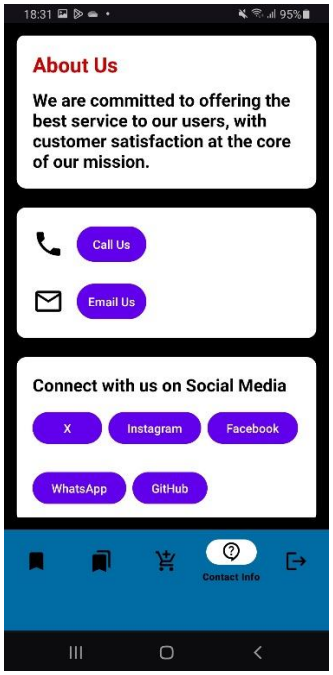

18:23
96%
COOKING
R750.00
More Info
CHILD MINDING
R750.00
More Info
GARDEN
MAINTENANCE
R750.00
More Info
6 Week

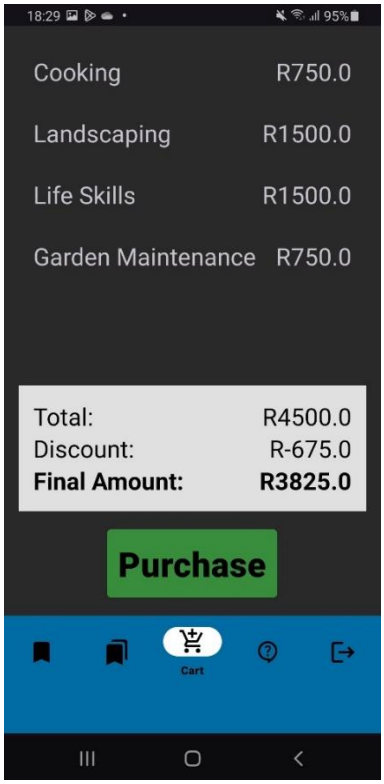

18:25
96%
Cooking
R750.00
Click for more details
Buy Now

18:26
96%
Cooking
R750.00
Click for more details
Purpose: To prepare and cook nutritious family meals
Content:
Nutritional requirements for a healthy body
• Types of protein, carbohydrates and vegetables
• Planning meals
• Preparation and cooking of meals

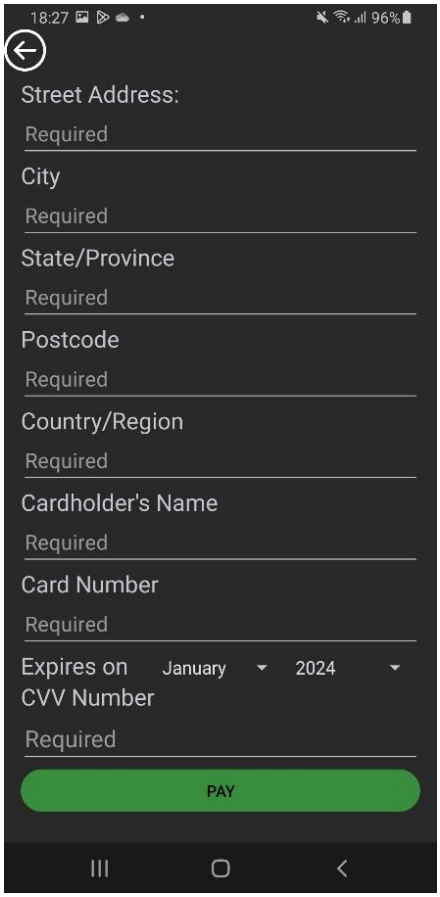

Cooking
R750.00
Click for more details
Purpose: To prepare and cook nutritious family meals
Content:
Nutritional requirements for a healthy body
• Types of protein, carbohydrates and vegetables
• Planning meals
• Preparation and cooking of meals
Buy Now

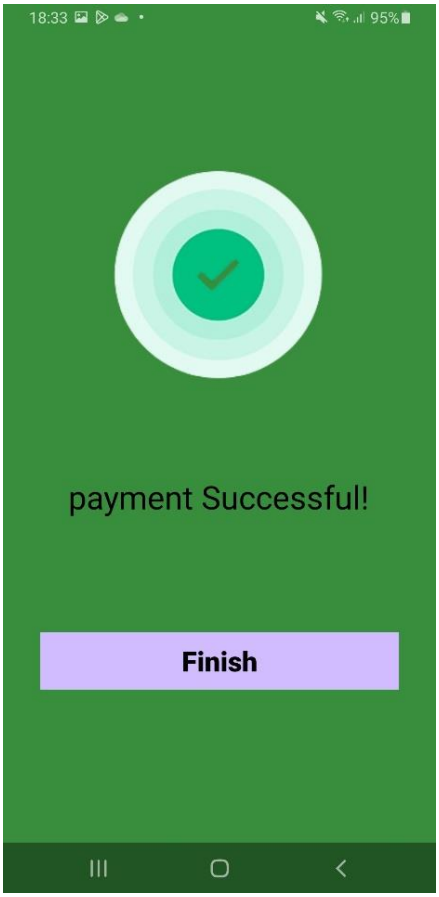

Cooking
R750.00
Click for more details
Purpose: To prepare and cook nutritious family meals
Content:
Nutritional requirements for a healthy body
• Types of protein, carbohydrates and vegetables
• Planning meals
• Preparation and cooking of meals
Buy Now


About Us
We are committed to offering the best service to our users, with customer satisfaction at the core of our mission.
Call Us
Email Us
Connect with us on Social Media
X
Instagram
Facebook
WhatsApp
GitHub
Contact Info


Cooking R750.0
Landscaping R1500.0
Life Skills R1500.0
Garden Maintenance R750.0
Total: R4500.0
Discount: R-675.0
Final Amount: R3825.0
Purchase
Cart

Are you sure you want to exit?
Yes
No
Log Out





Github link to the full code for the app and website - https://github.com/ShikharBahal/WIl-Website.git

Milestone 5

Introduction

The purpose of Work-Integrated Learning (WIL) is to equip us with essential teamwork skills and provide a practical experience of collaborative work, preparing us to handle group tasks effectively in the professional world. WIL fosters character development, particularly for those selected as leaders and vice leaders, by highlighting the diversity within our teams and encouraging us to leverage each member's strengths. It offers valuable insights into areas where we can improve individually and collectively, helping us recognize our strengths and weaknesses as both individuals and team players.

Skills learnt

Throughout this project, I developed several key skills. Leading the team taught me that I can guide others effectively and motivate them to put forth their best effort. I also discovered new techniques for making my mobile app development more professional. Working as part of a team gave me an appreciation for the diverse ways that different people think and solve problems.

Role in team

Our team consisted of five members: Kaydan (vice leader), Shivek, Shivaar, Mahesen, and me. As the leader, my main role was to assign tasks to each member, check progress, and ensure everything was completed accurately. I was also responsible for both the front-end and back-end of the app, as well as the back-

end of the website. Additionally, I designed the logos and presentation materials for our project.

Research, technology and the presentation of information

While working on the app, I focused heavily on researching fragments to improve navigation within the app, rather than just linking buttons to every screen. This required trial and error over a few days, along with studying open-source code, watching tutorial videos, and reading online resources. This research paid off by helping me develop a more polished and user-friendly app layout.

Personal strengths and weaknesses

I consider my strengths to be in back-end development, as well as in researching and implementing new ways to improve the app's functionality and appearance. My time-management skills also contributed to our project's success, as I set deadlines for my team to ensure steady progress.

However, my weakness lies in front-end design since I lack a creative eye and often use grayscale for simplicity. To improve, I aim to seek feedback from others to understand better what makes visually appealing front-end designs.

Impact

I believe my contributions had a significant impact on the team, as I was responsible for most of the app development and website back-end tasks. However, I was disappointed in my ability to positively influence my teammates' motivation. Despite my efforts to encourage them and make the work enjoyable, they often showed limited interest and rarely met deadlines. This made it challenging to foster a strong collaborative environment.

Conclusion

Overall, my WIL experience was mixed. I enjoyed the challenge of learning new coding skills and developing my leadership abilities, though I faced challenges with team dynamics. I believe I would have enjoyed the project more if there had been a stronger sense of teamwork, as the added pressure made the experience more stressful. Nonetheless, the skills and insights I gained through this experience are valuable and will serve me well in the future.

Reference

Slidesdocs.com. (2023). *Website Dark Colorful Powerpoint Background For Free Download - Slidesdocs*. [online] Available at: https://slidesdocs.com/background/website-dark-colorful-powerpoint-background_56dcc5c5a1 [Accessed 6 Nov. 2024].

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