

Group Members: Wompfuna Muthala

Ntsane Masoleng

Student Number: ST10451542

ST10462780

Web Page and Mobile Application Design Report

Empowering the Nation Training Initiative



Short Summary

This report presents the comprehensive design of a web page and mobile application for "Empowering the Nation," this training initiative established in 2022 by Precious Radebe in Johannesburg. The platform serves domestic workers and gardeners who are seeking skills development, as well as the employers who want to improve their workforce. The design

prioritizes accessibility, professional presentation, and user-friendly navigation to accommodate users with varying levels of digital literacy.

Introduction

"Empowering the Nation" helps the domestic workers and gardeners to get the training they need. The organization was founded by Precious Radebe, this initiative provides both six-month comprehensive courses and six-week short skills programs. The web page and mobile application will serve as the primary interface between the training provider, potential students, and employers seeking skilled workers.

The target audience includes domestic workers and gardeners seeking personal development, employers wanting to invest in staff training, and family members or relatives of elderly individuals who require these services. The platform must accommodate users with basic digital literacy while maintaining a professional appearance that builds trust and credibility.

Design Concept and Motivation

The design aims to empower people to help them grow and make things easy. It is simple and easy to navigate with a clear structure that guides the user through the process

The design is driven by the goal of bridging the digital divide. As many potential users may be accessing online services for the first time, the interface is designed to be welcoming and easy to use. The key features include clear labeled buttons, simplified navigation menus and easily accessible contact information, all which will work together to ensure a seamless user.

Functionality Analysis

Quote Request System:

Employers and individuals can request customized quotes for single or multiple courses. The system automatically calculates discounts based on the number of courses selected: no discount for one course, 5% for two courses, 10% for three courses, and 15% for four or more courses.

Mobile Responsiveness: All functionalities adapt seamlessly between desktop and mobile platforms, with touch-friendly interfaces and simplified navigation for smaller screens.

Wireframe Designs

Wire Frame for A Mobile app

1 Welcome Screen

This page is the first page that the user will see whenever they open the app

The Welcome page will include the logo of the organization, and a short summary of the organization. The user will have to click the “Create Account” Button if ever they don’t have an account yet if the user got an account the user will have to click the “I have an Account”.

The tags used to develop this page:



HTML TAGS

<header>

**** To display the organization logo

<p> Displays the short summary of the business

<button> Creates create a “create an account” button

<a> creates a link to the login page for an existing user

Container

<div> Wraps the whole content of a welcome page

JavaScript

-addEventListener (): adds an event listener to the “Create Account” button to redirect to the registration page.

-addEventListener (): adds an event listener to “I have an account” button link to redirect to the log in page.

React Native

<View> Wraps the content of a welcome page

<Image> Displays the organization logo

<Text> Displays the summary of the organization

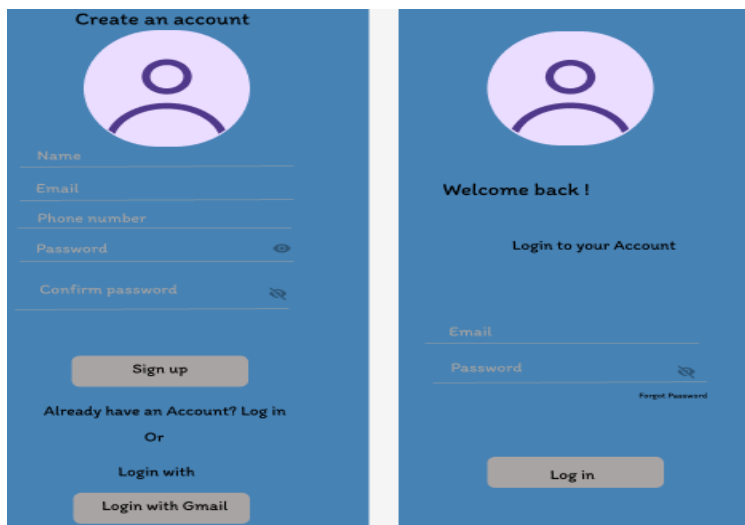
<Button> Creates the “Create an Account” button

<TouchableOpacity> Creates a link to a login page for the existing user

<StyleSheet> Defines the styles for the welcome page

2 Log in And Sign in screen

The user will have to sign up if they don't have an account if the user already have an account the user will have to login so that they can proceed with applying for their preferable course. Tags used to create this page:



Login Page (HTML Tags):

<form> defines the login form

<input type="text"> It creates a field for the username and the email

<input type="password"> on this field the user must enter their password

<button type="submit">

Sign-up Page

<form> Defines the registration

<input type="text"> It creates a field for the username and the email

<input type="password"> on this field the user must enter their password

<button type="submit">

**** it will display the organization logo

JavaScript

Form Validation:

-addEventListener (): Add an event listener to the form submission.

-preventDefault (): Prevents the default from submission.

-validation (): Validates the form data before submission

React Native

<View> Wraps the content of the log in and sign up

<Image> displays the logo

<Text>

<Text Input>

<Button>

<TouchableOpacity>

3 Home Page



Our home page consists of the courses that we offer so the user will have to select the course that they would like to study or do the just tap on the course and it will automatically send the user to take a course description. Tags used:

HTML Tags

<h2>, <button>, <select>, <div> and <option>

JavaScript

```
const courseSelect=document. getElementById (course-select');
```

```
selectedcourseBtn.addEventListener ('click', () => {...}).
```

```
const selectCourseBtn= document. getElementById (select-course btn')
```

React native

```
<Picker selectedValue>
```

```
<TouchableOpacity>
```

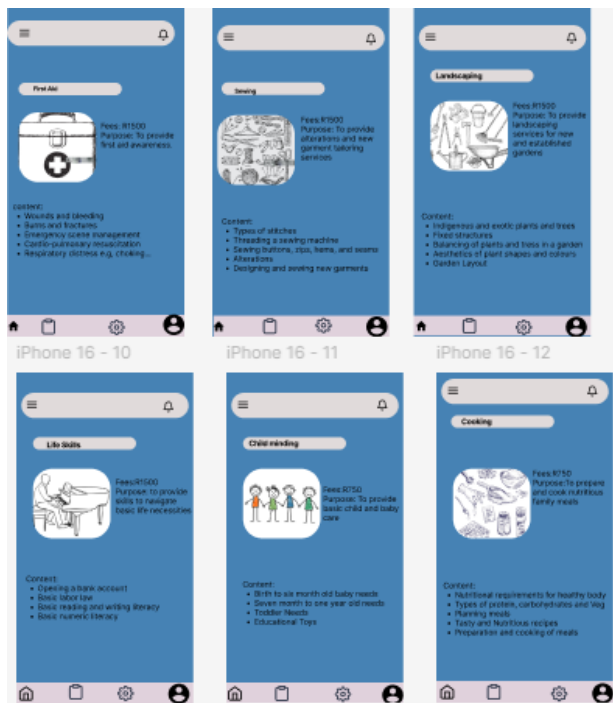
```
<View>
```

```
<Text>
```

React native

Course Description

The platform displays detailed information about all available courses, including fees (R1500 for all courses), duration, and content. Six-month courses include First Aid, Sewing, Landscaping, and Life Skills, while six-week programs cover Child Minding, Cooking, and Garden Maintenance.



Tags used to develop this page:

HTML Tags:

<div>

<p>

<button>

JavaScript:

React Native:

<View>

<Text>

<Image>

<TouchableOpacity>

Application Form

The user will have to fill in their details and there are selected courses and the are discounts that are offered depending on the course that you have chosen

A screenshot of a mobile application interface. At the top, there is a dark blue header with a white logo consisting of three interlocking loops. Below the logo, the text 'EMPOWERING THE NATION' is written in white, with the tagline 'DREAM IT BELIEVE IT RECEIVED IT' underneath. The main content area has a light blue background. It features a section titled 'Application Form' in a white rounded rectangle. Below this, there are four input fields with labels: 'Full names:', 'Cellphone:', 'Name of a Course:', and 'Email:'. Each label is followed by a white input line. Below the input fields, there is a section titled 'Discount Application' in a white rounded rectangle. Underneath, there are three radio button options: '5%', '10%', and '15%'. At the bottom of the form, there is a label 'Total Fees Amount:' followed by a white input line. The bottom of the screen features a navigation bar with four icons: a home icon, a folder icon, a gear icon, and a user profile icon. The word 'Home' is written below the first icon.

<form>

<label>

<input>

<select>

<option>

JavaScript

```
import React, { useState } from 'react';
```

```
function ApplicationForm() {
```



```
const [fullName, setFullName] = useState("");  
const [cellphone, setCellphone] = useState("");  
const [courseName, setCourseName] = useState("");  
const [email, setEmail] = useState("");  
const [discount, setDiscount] = useState("");
```

```
const handleSubmit = (event) => {  
  event.preventDefault();  
  // Handle form submission logic here  
};
```

Website Wireframe

Homepage Layout

The design includes the organization's logo, a clear purpose statement about providing employability and entrepreneurship skills, and call-to-action buttons that link to respective course pages. The layout emphasizes accessibility and practical skills training for sustainable job opportunities.



Tags used to develop this page:

HTML Tags:

<h1> The h1 is for the heading “**Empowering the nation**”

**** It will display the organization logo

<p> For organization purpose

<button> The button is where the user will have to double click the button for their preferred duration of course

JavaScript:

// Course duration options

// Page routing

// Button click handlers

React Native:

<View Styles>

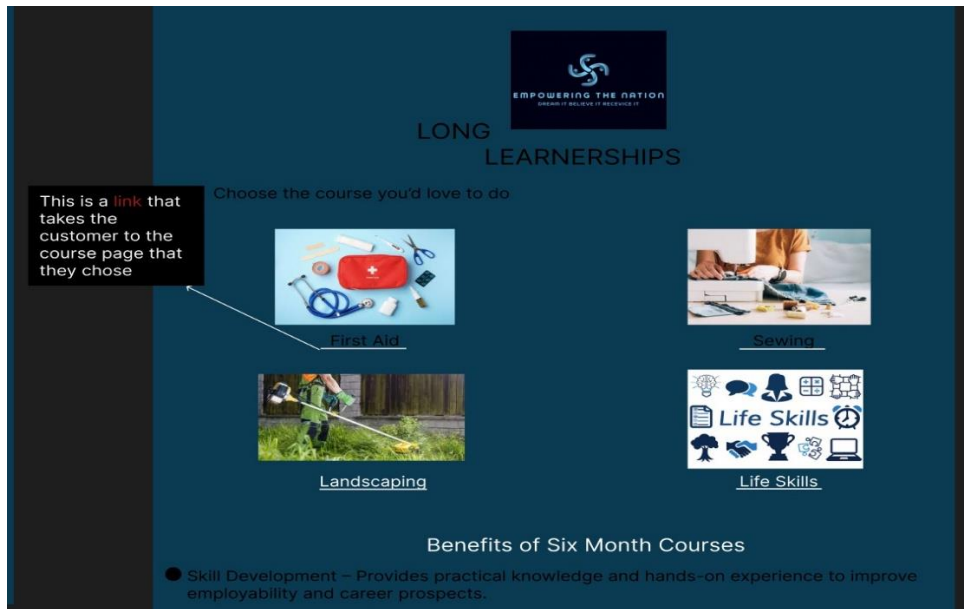
<Image>

<Text>

<TouchableOpacity>

Course Listing Page

A clean grid layout presents all available courses with consistent information cards showing course name, duration, fees, and brief descriptions. Filter options allow users to sort by duration (6-month vs 6-week programs) or subject area. Each course card includes a "Learn More" button leading to detailed course information.



This is a [link](#) that takes the customer to the course page that they chose



SHORT SKILLS TRAINING PROGRAMMES

Choose the course you'd love to do



[Child minding](#)



[Cooking](#)




[Garden maintenance](#)


Benefits of Six-Weeks Courses




- Skill Development – Provides practical knowledge and hands-on experience to improve employability and career prospects.
- Time Efficiency – Offers a structured and focused learning experience without the long-term commitment of a degree program.
- Increased Job Opportunities – Equips individuals with industry-relevant skills, making them more competitive in the job market.
- Personal Growth – Enhances confidence, discipline, and problem-solving abilities, leading to overall self-improvement.
- Cost-Effective Learning – More affordable than longer academic programs, allowing individuals to gain valuable skills without significant financial burden.

Back button



LIFE SKILLS



Description of the course:
This course focuses on providing skills to navigate basic life necessities

Client will have a skilled to know:

- Open a bank account
- Basic labour law
- Basic reading and writing literacy
- Basic numeric literacy

Course Fees:

R1500

Select button



Application Process Wireframe

This is the application process that guides users through course selection, personal information entry, and payment options. Progress indicators show completion status, while a summary panel displays selected courses and calculated totals, including applicable discounts.

Back button

In this section if the client chose any of the Six month courses they will appear here with their price (only the selected courses will appear)

EMPOWERING THE NATION
DREAM IT BELIEVE IT RECEIVE IT

FEE'S

Courses

Six Month Courses (Long Learnerships)

R:

Six-Week Courses (Short Skills Training Programmes)

R:

In this section if the client chose any of the Six-week courses they will appear here with their price (only the selected courses will appear)

Discount Applicable

5% 10% 15%

The applicable discount will appear in bold based on the amount of courses taken by the client

Calculate fees button

This the calculation button that will calculate the total fees including the 15%VAT

Total fees amount =

EMPOWERING THE NATION
DREAM IT BELIEVE IT RECEIVE IT

About Us

Goals:

Empowerment Through Education – Provide high-quality training programs that equip unemployed individuals with practical skills and knowledge relevant to the job market.

Job Placement & Career Development – Partner with businesses and industries to facilitate job placements, internships, and apprenticeships for program graduates.

Entrepreneurship Support – Offer guidance, mentorship, and resources to help individuals start their own businesses or freelance careers.

Digital & Technological Inclusion – Ensure participants gain proficiency in digital tools and emerging technologies to remain competitive in the workforce.

Personal & Professional Growth – Develop soft skills such as communication, teamwork, and problem-solving to enhance employability and career advancement.

Sustainability & Community Impact – Create a self-sustaining model that reinvests in local communities, fosters economic growth, and reduces long-term unemployment.

Ownership:

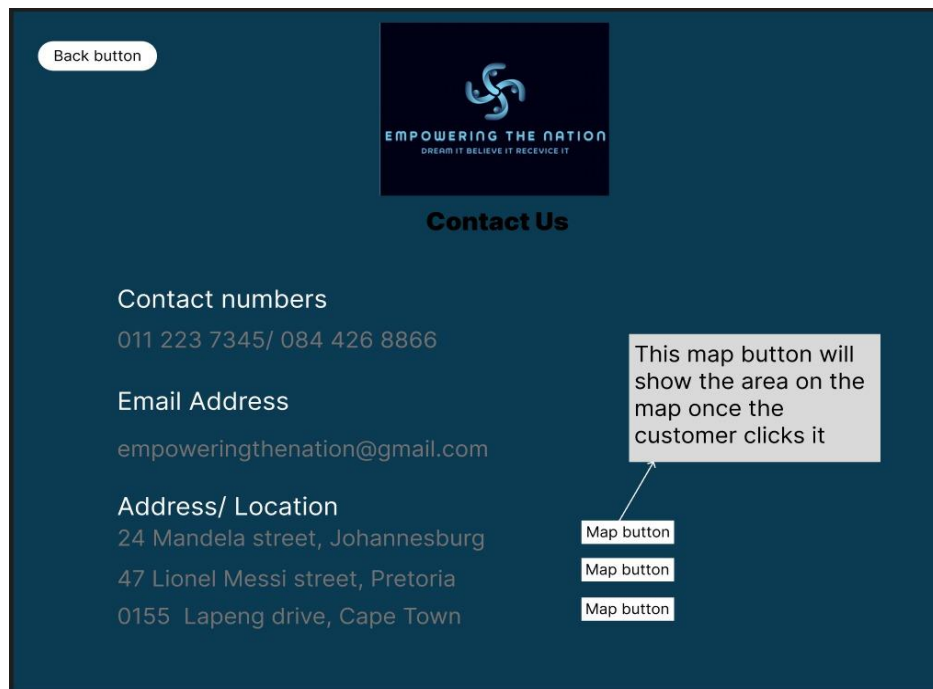
Precious Radebe

History of the business:

Empowering The Nation was established in 2022 and offers courses in Johannesburg. Hundreds of domestic workers and gardeners have been trained on both the six-month long learnerships and six-week Short Skills Programmes to empower themselves and can provide more marketable skills.

Contact Us Page:

Multiple contact methods are integrated throughout the platform, including phone, email, and a contact form, ensuring users can reach the training provider through their preferred communication method.



Tags used

HTML

`<header>`, `<section>`, `<h1>`, `<button>`, `<a>`

JavaScript

`document.getElementById ()`: used to access html

`addEventListener ()`: used to attach event listeners to elements

`window.location.href`: used to redirect the pages

React Native

`<View>`, `<Text>`, `<Image>`, `<Button>`, `<TouchableOpacity>`

Target User Experience

The platform prioritizes user experience for three distinct groups: individual learners seeking personal development, employers investing in staff training, and family members researching services for elderly relatives. Each user journey is optimized for specific needs while maintaining consistent navigation and visual design.

Individual learners encounter motivational messaging that emphasizes personal growth and improved employment prospects. The course information highlights practical skills and their real-world applications, with success stories from previous students providing social proof and encouragement.

Employers access dedicated sections showcasing the business benefits of skilled workers, including productivity improvements and service quality enhancements. The quote system allows for bulk bookings and corporate discounts, while testimonials from other employers demonstrate a return on investment.

Family members researching services find clear explanations of course outcomes and how trained individuals can provide better care and household management. Contact information is prominently displayed to facilitate direct communication about specific needs and requirements.

Technical Considerations

The web platform utilizes responsive design principles to ensure optimal viewing across desktop computers, tablets, and smartphones. The mobile application complements the web presence with native features like push notifications for course reminders and offline access to course materials.

Loading speed optimization ensures accessibility for users with limited internet connectivity, common in many areas where potential students reside. Image compression and efficient coding practices maintain visual quality while minimizing data usage.

Security measures protect user information during the booking and payment processes, with SSL encryption and secure payment gateways building trust and ensuring compliance with data protection requirements.

Business Integration

The platform integrates with "Empowering the Nation's" operational needs, including student management, scheduling, and financial tracking. Automated email confirmations reduce the administrative burden while providing students with important course information and reminders.

The discount calculation system automatically applies appropriate reductions based on course selections, ensuring accurate pricing while encouraging multiple course enrollment. This feature supports the business model while providing clear value to customers.

Reporting functionality allows administrators to track enrollment trends, popular courses, and revenue streams, enabling data-driven decisions about course offerings and marketing strategies.

Conclusion

The proposed web page and mobile application design for "Empowering the Nation" successfully addresses the unique challenges of serving a diverse user base while maintaining professional standards and operational efficiency. The emphasis on accessibility ensures that individuals with varying levels of digital experience can successfully navigate the platform and access training opportunities.

The professional design approach builds credibility with employers while remaining approachable for individual learners. Comprehensive functionality supports both immediate needs (course information and booking) and long-term business goals (customer retention and expansion).

By focusing on user-centered design principles and incorporating the specific requirements of the training industry, this platform will effectively serve "Empowering the Nation's" mission of providing skills training to domestic workers and gardeners, ultimately contributing to their improved employment prospects and quality of life.

The design successfully balances functionality with aesthetics, creating a digital presence that reflects the organization's commitment to empowerment and professional development while providing practical tools for course management and student engagement.

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Youtube links:

<https://youtu.be/uWWFEnchUb0> APP

<https://youtu.be/84PkdO-Z7a0> Website