




DESIGN REPORT



Khanyisa Shikwambana, Rixile Ndlovu, and Success Khangale created this project.

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Empowering the Nation Mobile App

Authors

Khanyisa Shikwambana, Rixile Ndlovu, and Success Khangale created this project.

1. Introduction

The Empowering the Nation Mobile App is a cross-platform application developed to provide information, resources, and tools for community empowerment, skills development, and education. The app is built using React Native and Expo, and is designed to closely match the look, feel, and functionality of the Empowering the Nation web application.

2. Design Objectives

The main design objectives were clarity, accessibility, and a modern user experience. The app aims for pixel-perfect fidelity with the web version, ensuring brand consistency and a seamless user journey across platforms.

3. User Interface (UI) Design

Layout & Navigation

- The app features a custom header at the top of every screen, displaying the Empowering the Nation logo and brand colors.
- Main navigation is available via a horizontal scrollable header and a bottom tab bar (on mobile devices).
- Active navigation links are highlighted for clear orientation, and the “Donate Now” button is always visible in the header for quick access.

Buttons

- Primary buttons (e.g., Donate Now) use a bold orange background (` #ea580c `) with white text for high visibility.

- Navigation links are pill-shaped. The active link uses a soft orange background (`#ffedd5`) and bold text, while the Courses link uses a green highlight (`#bbf7d0`) when active.
- All buttons have rounded corners and padding for a modern, touch-friendly feel.

Colour Palette

- Orange: `#ea580c` (primary accent, used for buttons and highlights)
- Green: `#15803d` (secondary accent, used for branding and active Courses link)
- Light Green: `#bbf7d0` (Courses active background)
- Soft Orange: `#ffedd5` (active navigation background)
- White: `#fff` (background)
- Gray: `#374151` (text), `#fdb774` (borders)
- The app supports both light and dark modes, adapting to the device theme.

Forms & Inputs

- The Contact screen features clearly labeled input fields with rounded borders and ample spacing.
- The Fee Calculator uses simple numeric inputs and a prominent calculate button.

Imagery & Icons

- All images are locally stored for fast loading and offline access.
- Icons are used for visual cues (e.g., awards, events) and styled to match the color palette.

Typography

- Headings use bold, colored text for emphasis (orange or green, depending on context).
- Body text is clear and readable, with consistent font sizes and spacing.

4. Accessibility & Usability

- The app uses large touch targets, clear labels, and visual feedback for all interactive elements.
- Design decisions were guided by best practices such as Nielsen's usability heuristics, Material Design, and Apple Human Interface Guidelines.

5. Navigation Flow

- Users start on the Home screen, which displays the mission and quick links.
- Navigation is intuitive: tap any link in the header or use the tab bar to move between sections.
- The Donate Now button is always accessible.
- Users can scroll through courses, events, and testimonials, and tap for more details.
- The Contact form and Fee Calculator are easy to find and use.
- Device back navigation is supported throughout.

6. Responsive Design

- The app adapts to different device sizes and supports both light and dark themes for accessibility and user preference.

7. Development Tools & Technologies

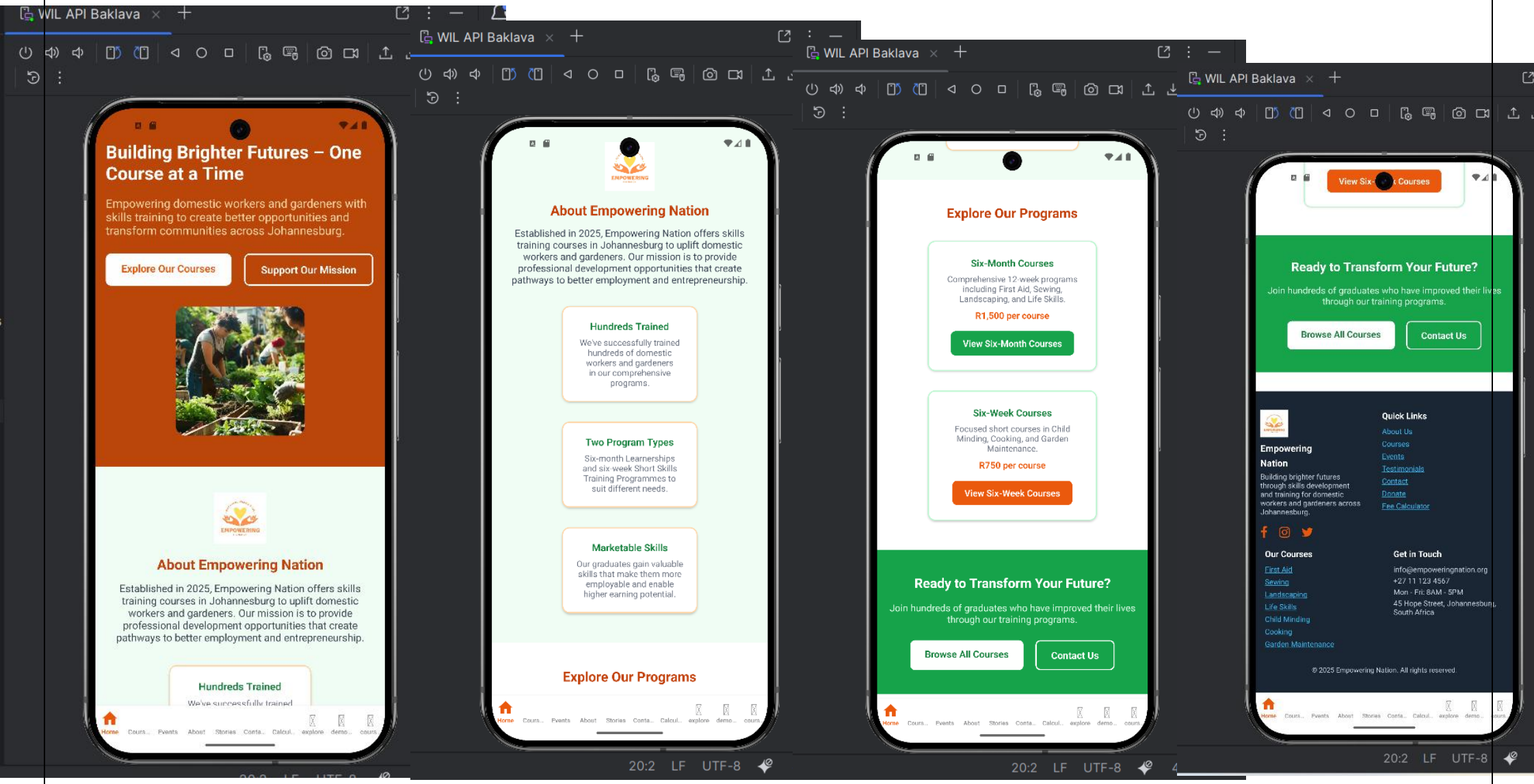
- React Native (Expo)
- TypeScript
- React Navigation
- Custom components for header, footer, and UI elements
- Local asset management for images and fonts

8. Team & Acknowledgements

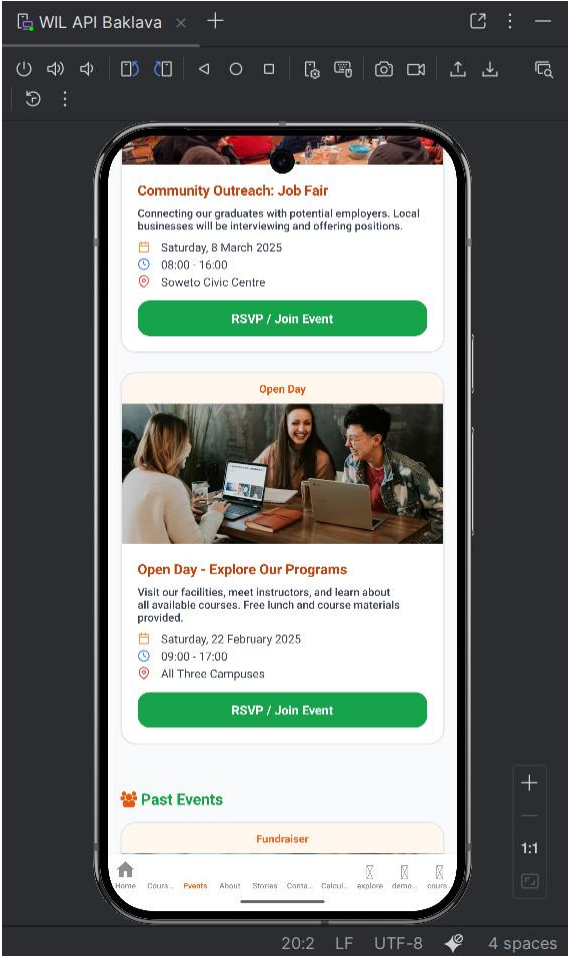
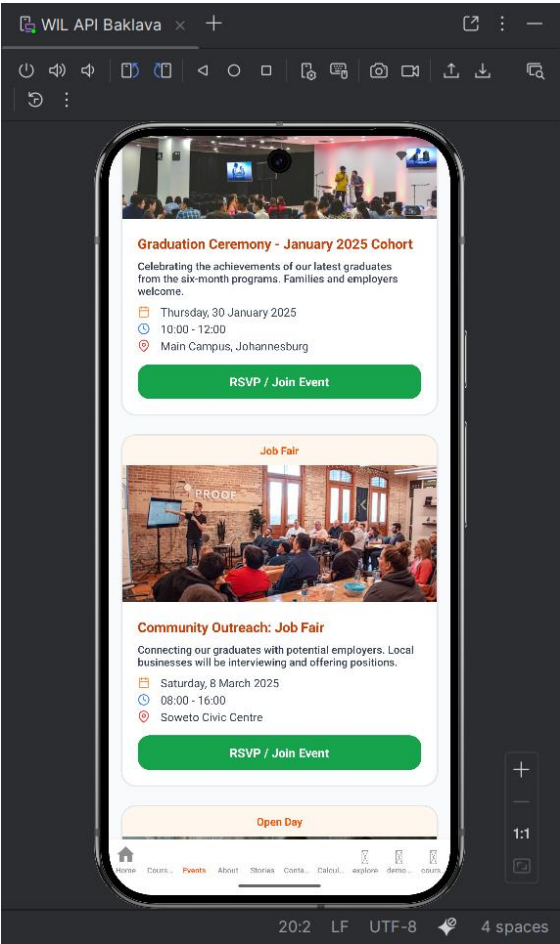
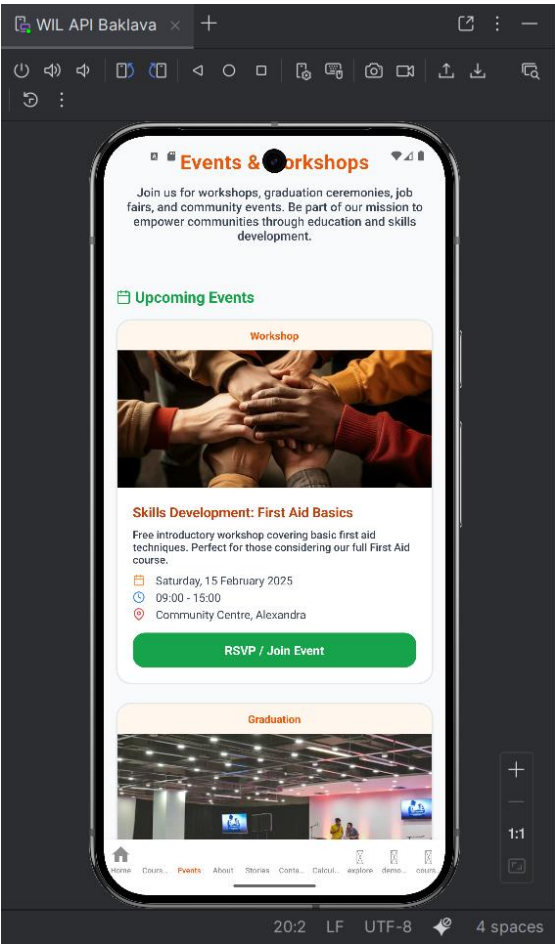
This project was created by Khanyisa Shikwambana, Rixile Ndlovu, and Success Khangale.

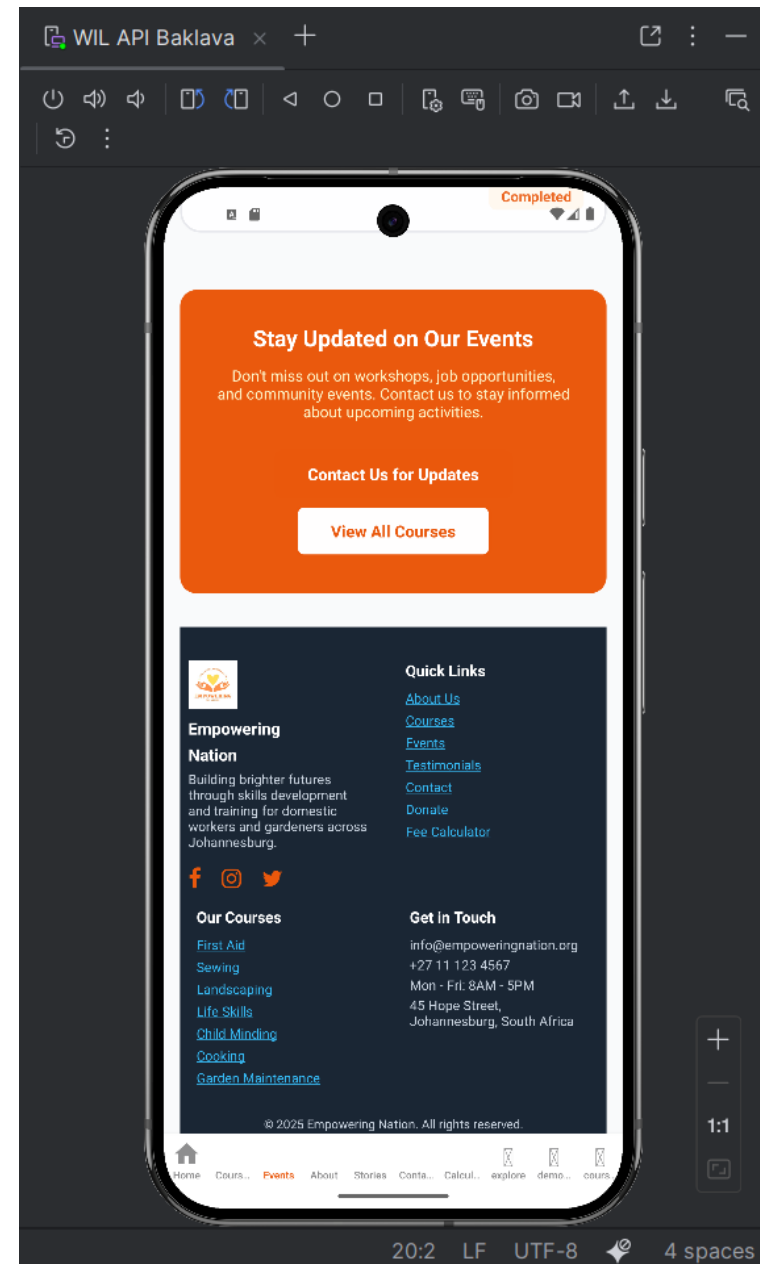
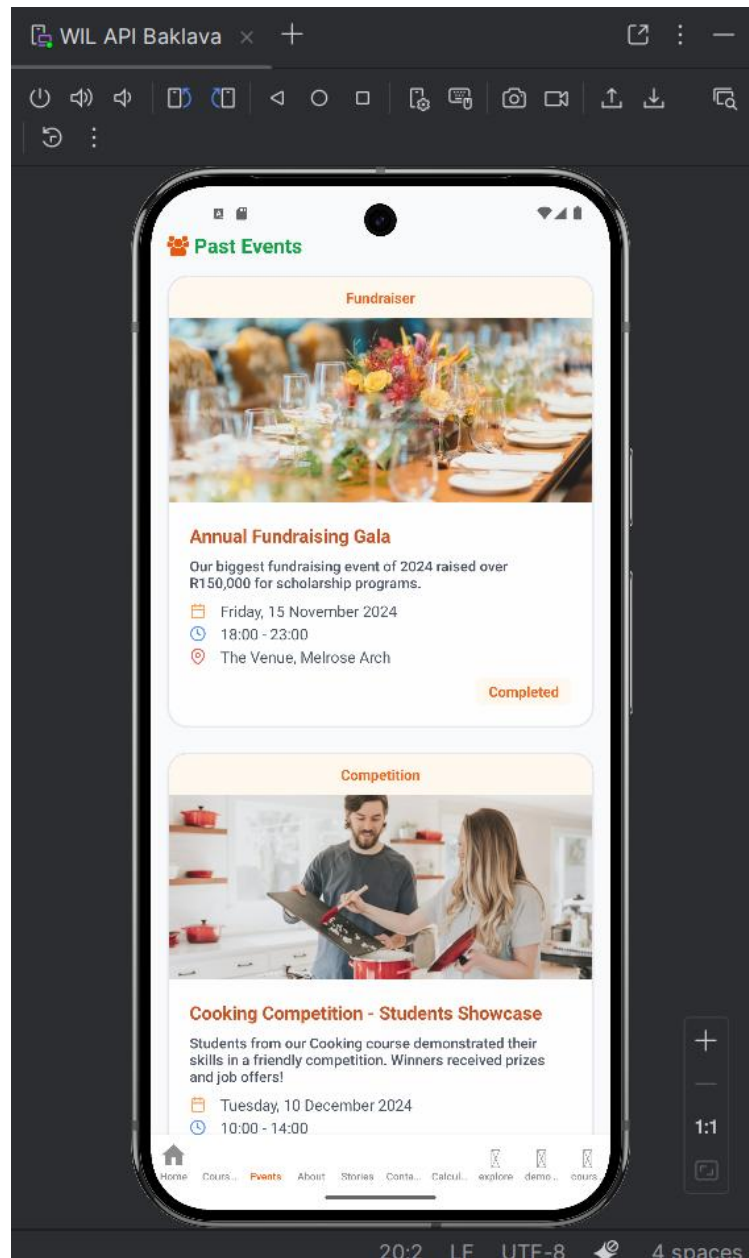
9. Mobile App Screenshots

HOME SCREEN



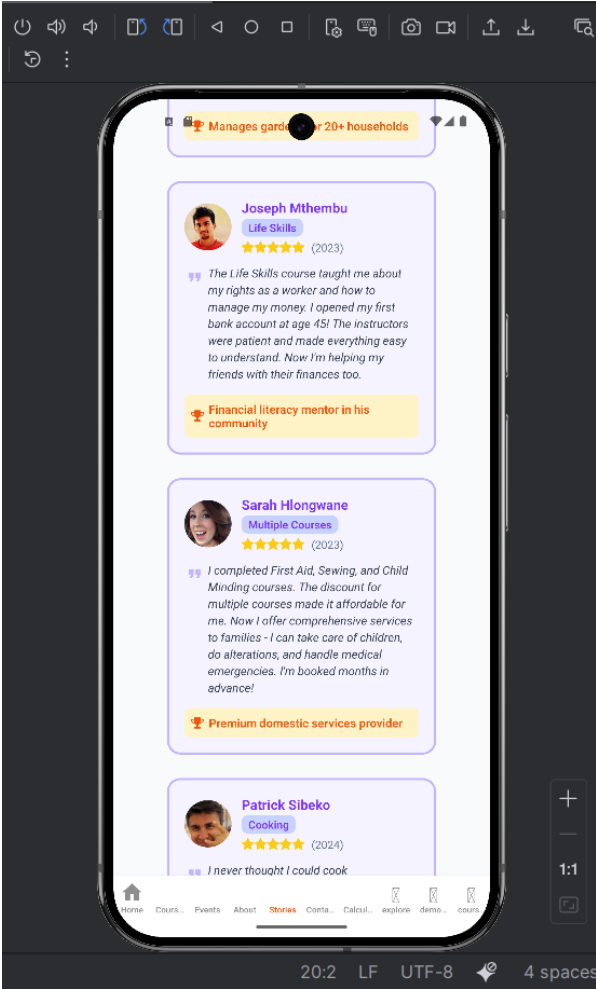
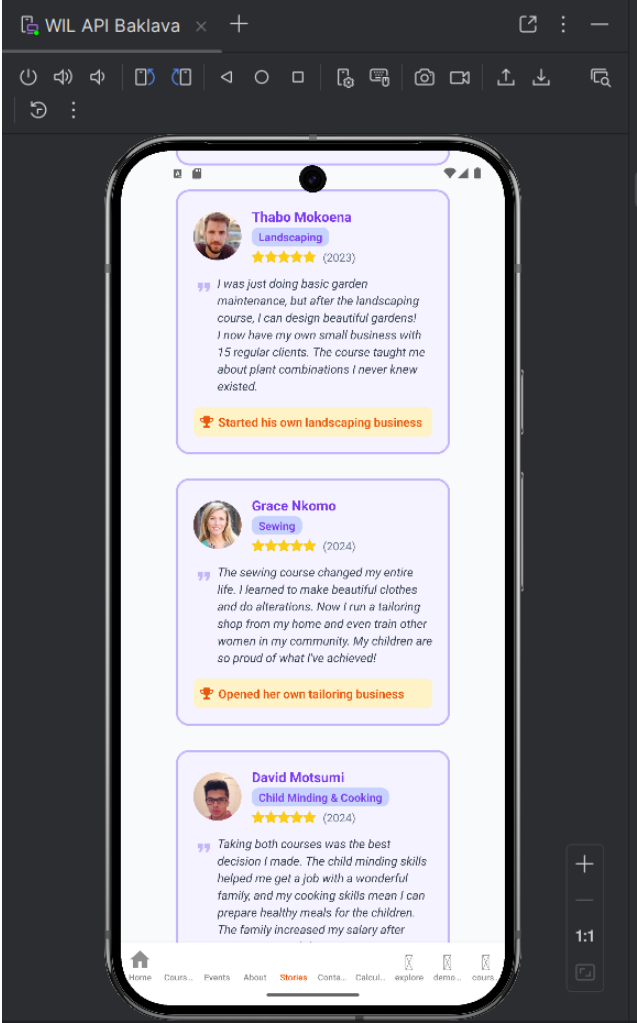
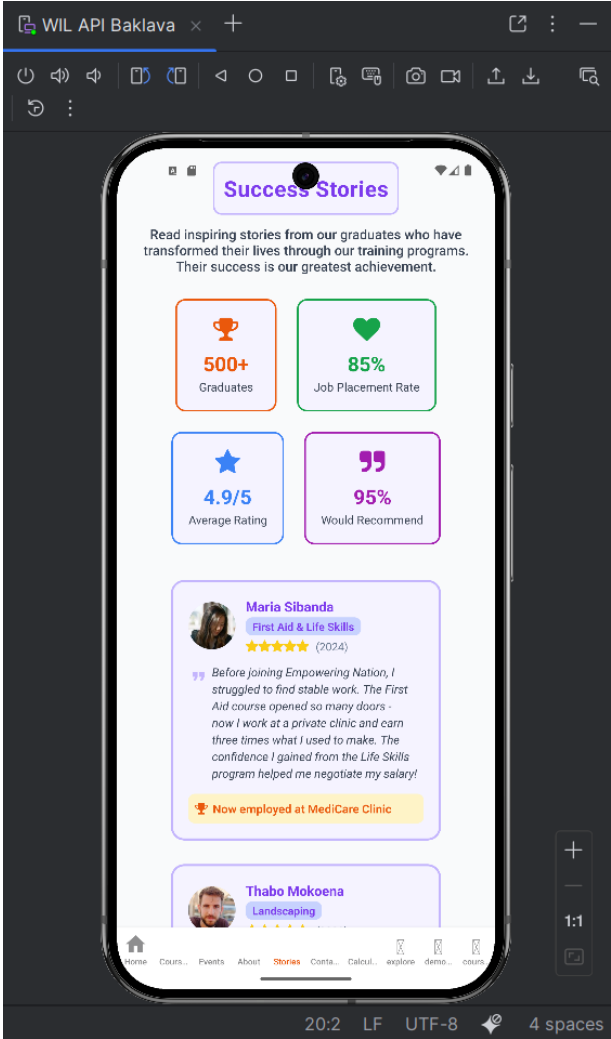
EVENTS SCREEN

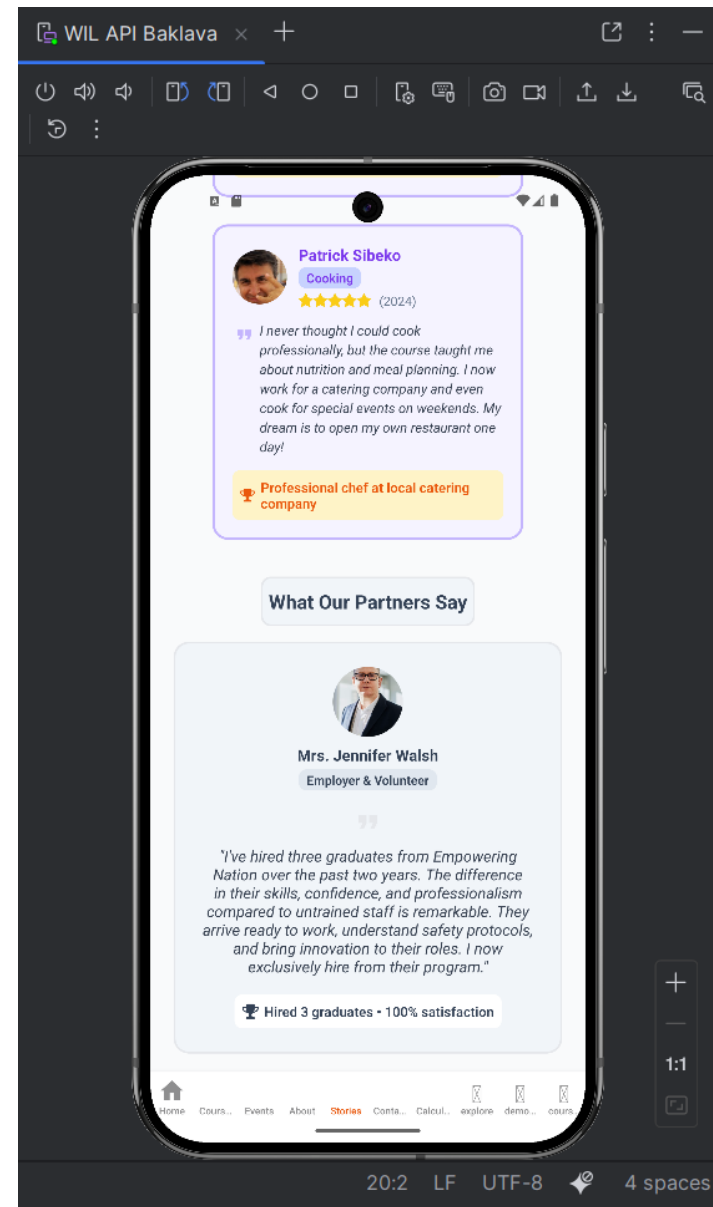
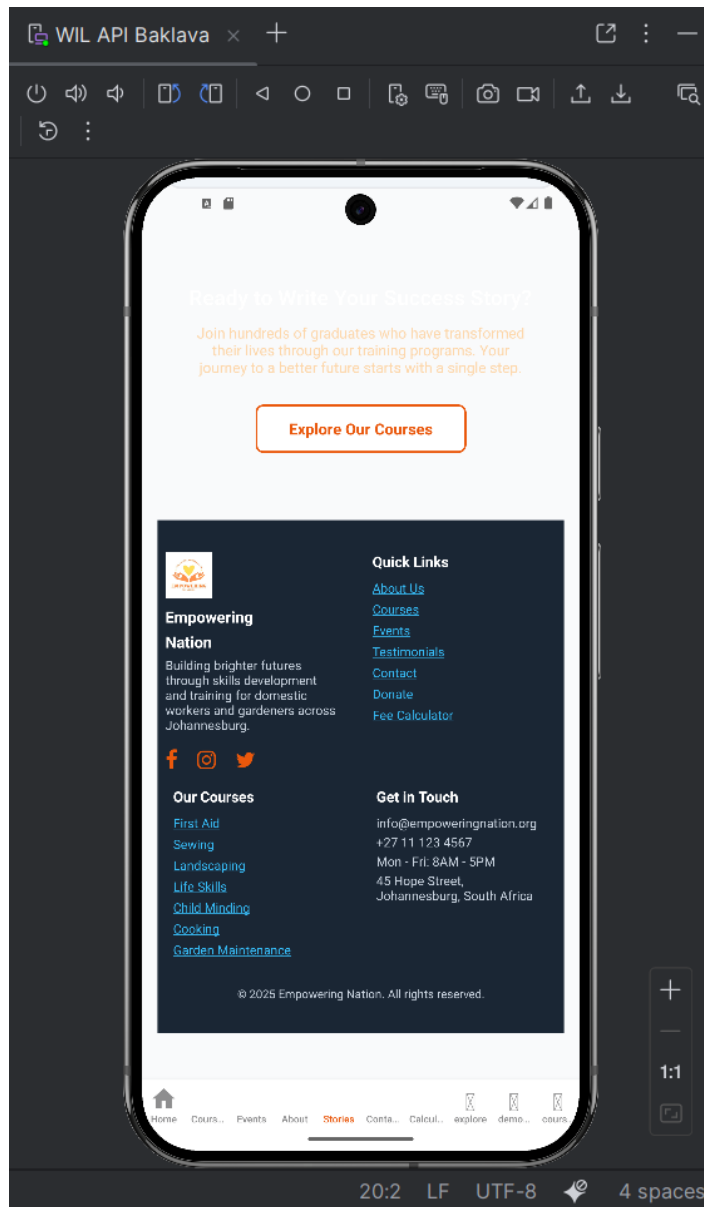




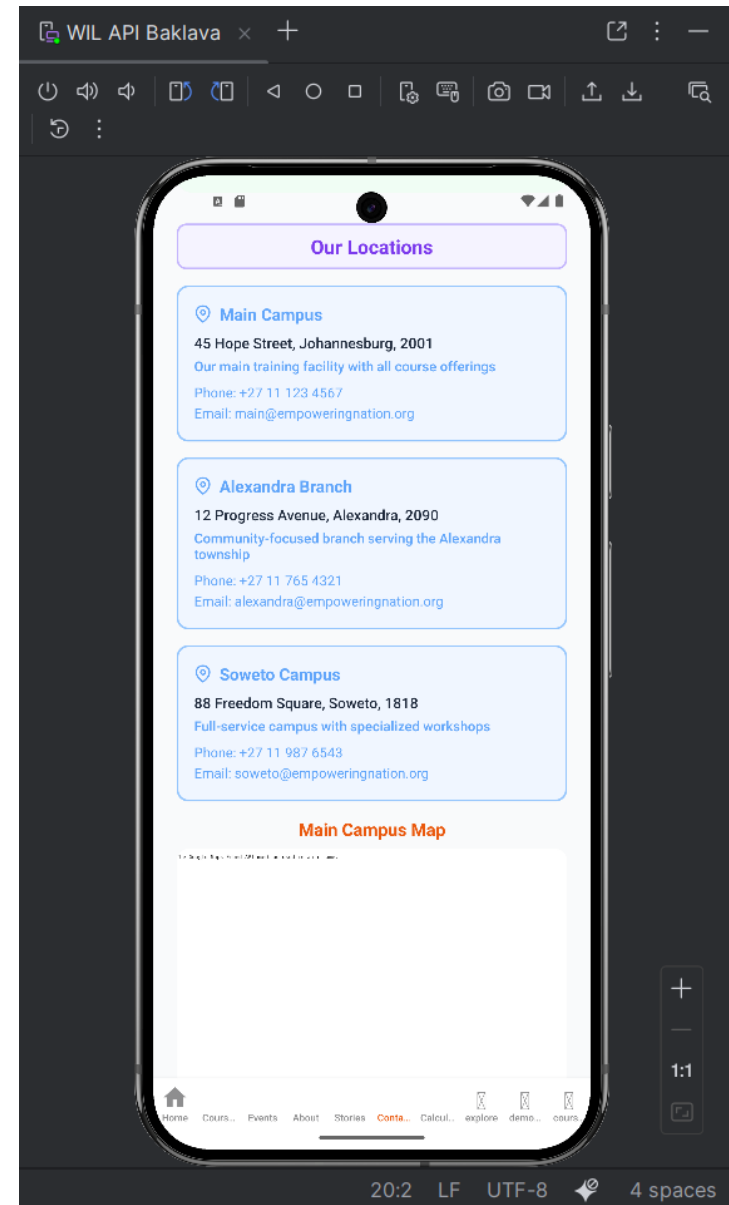
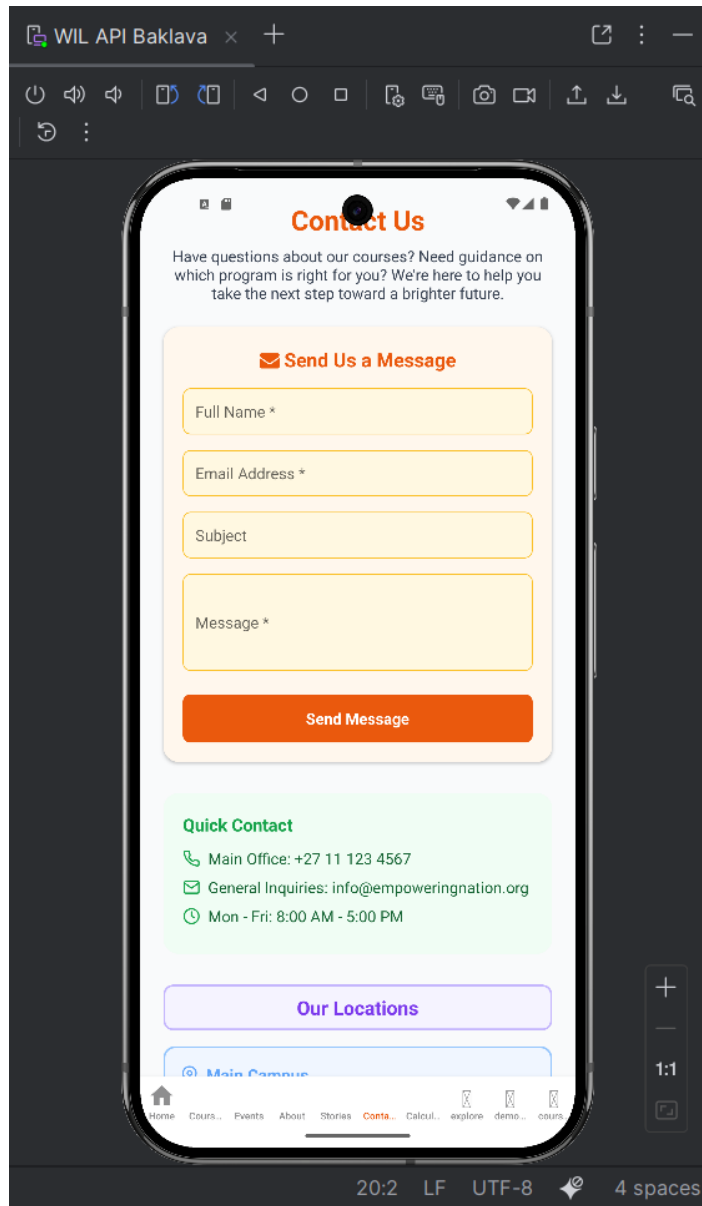


TESTIMONIALS SCREEN

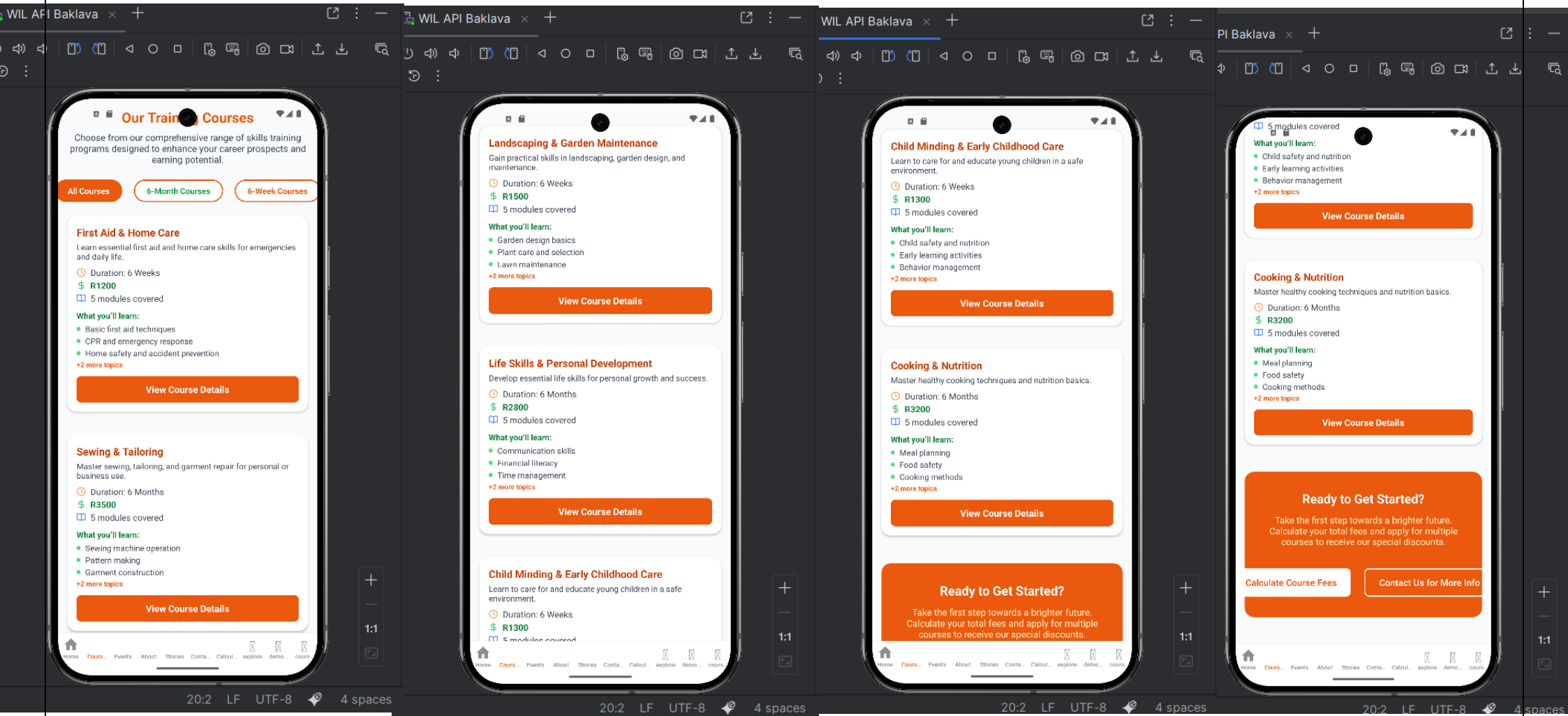




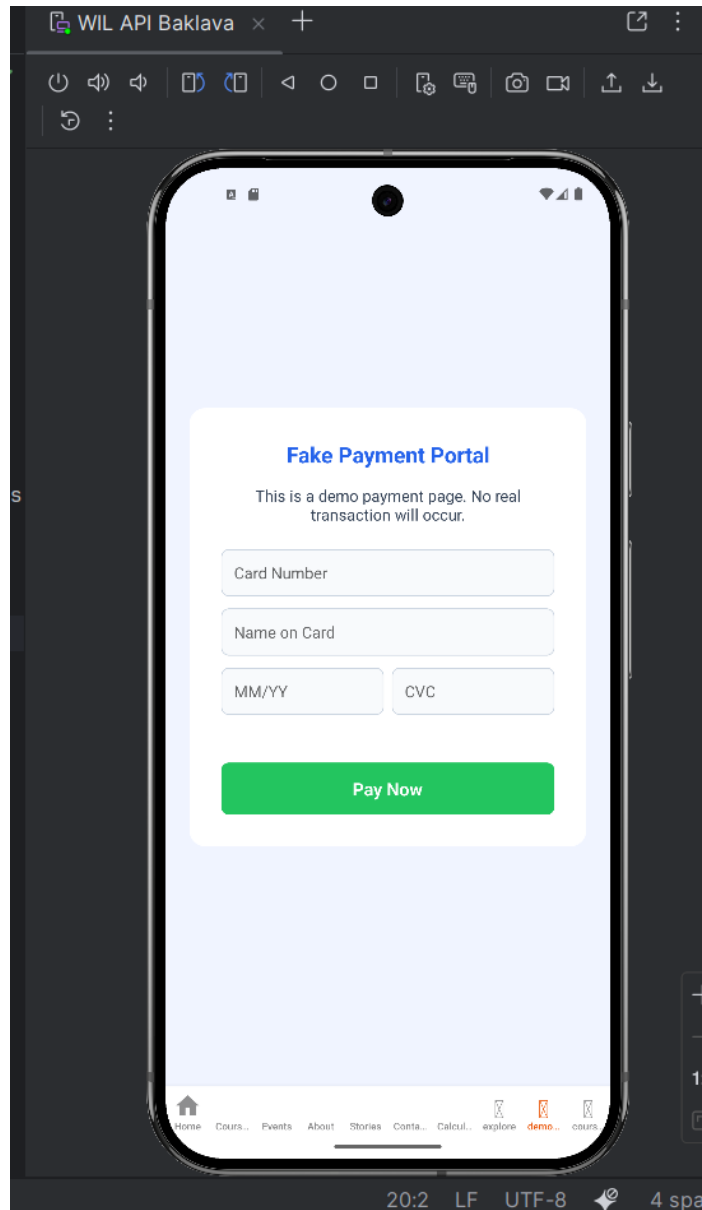
CONTACT SCREEN



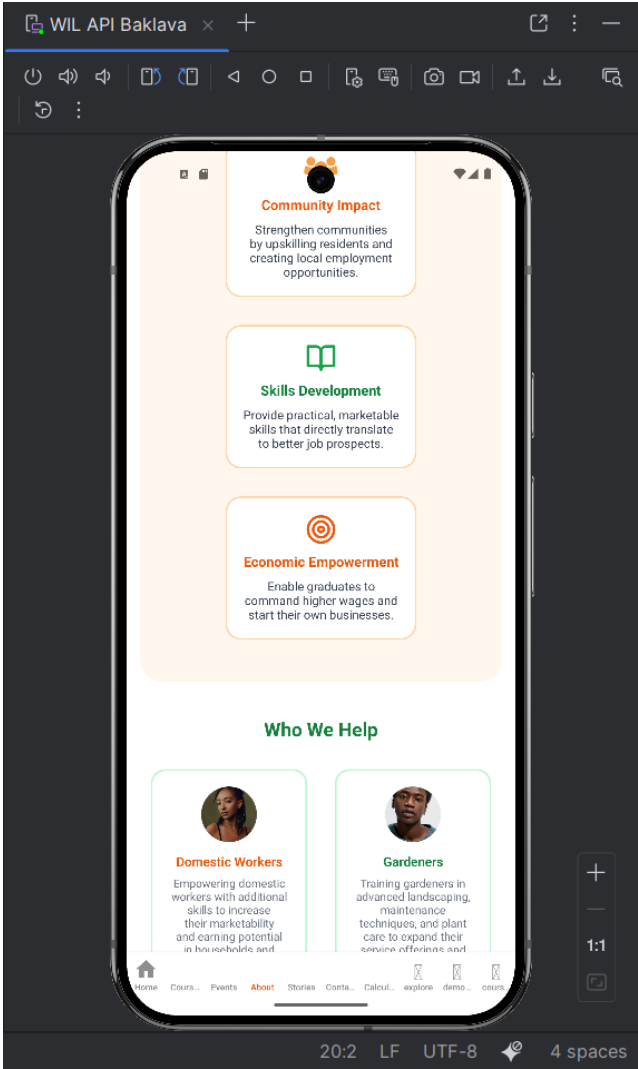
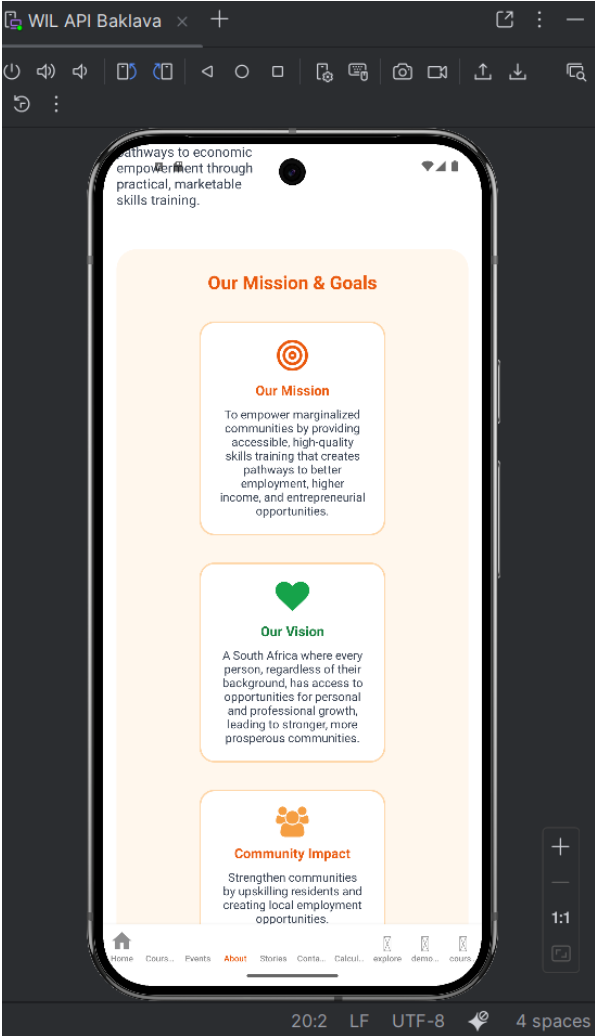
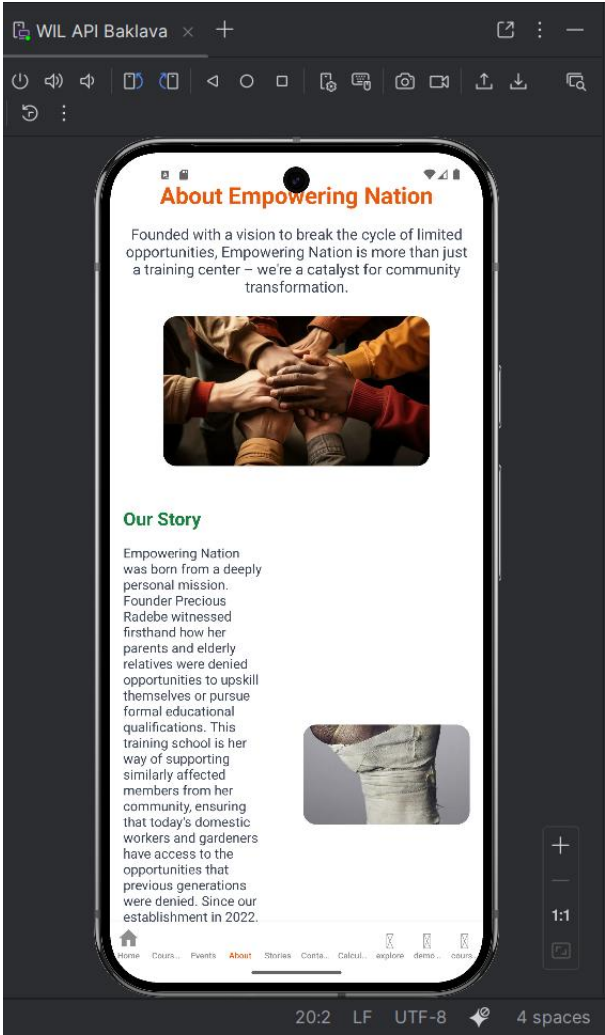
COURSE SCREEN

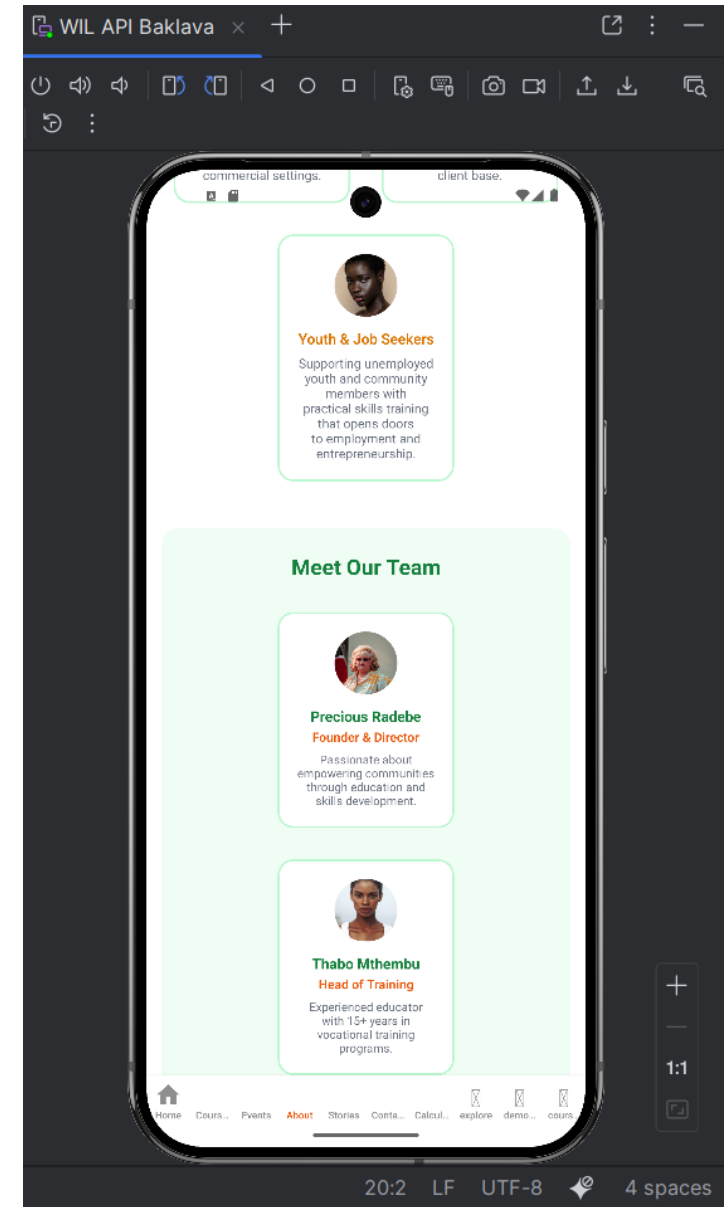
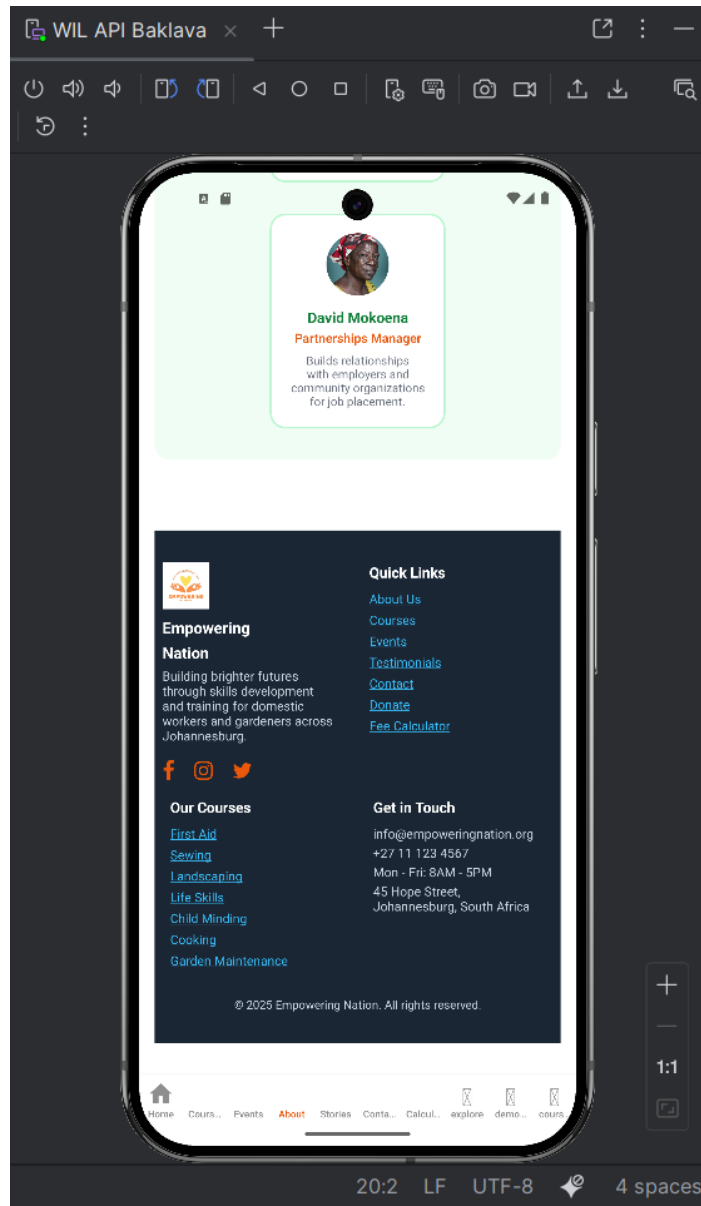


DEMO PAYMENT SCREEN

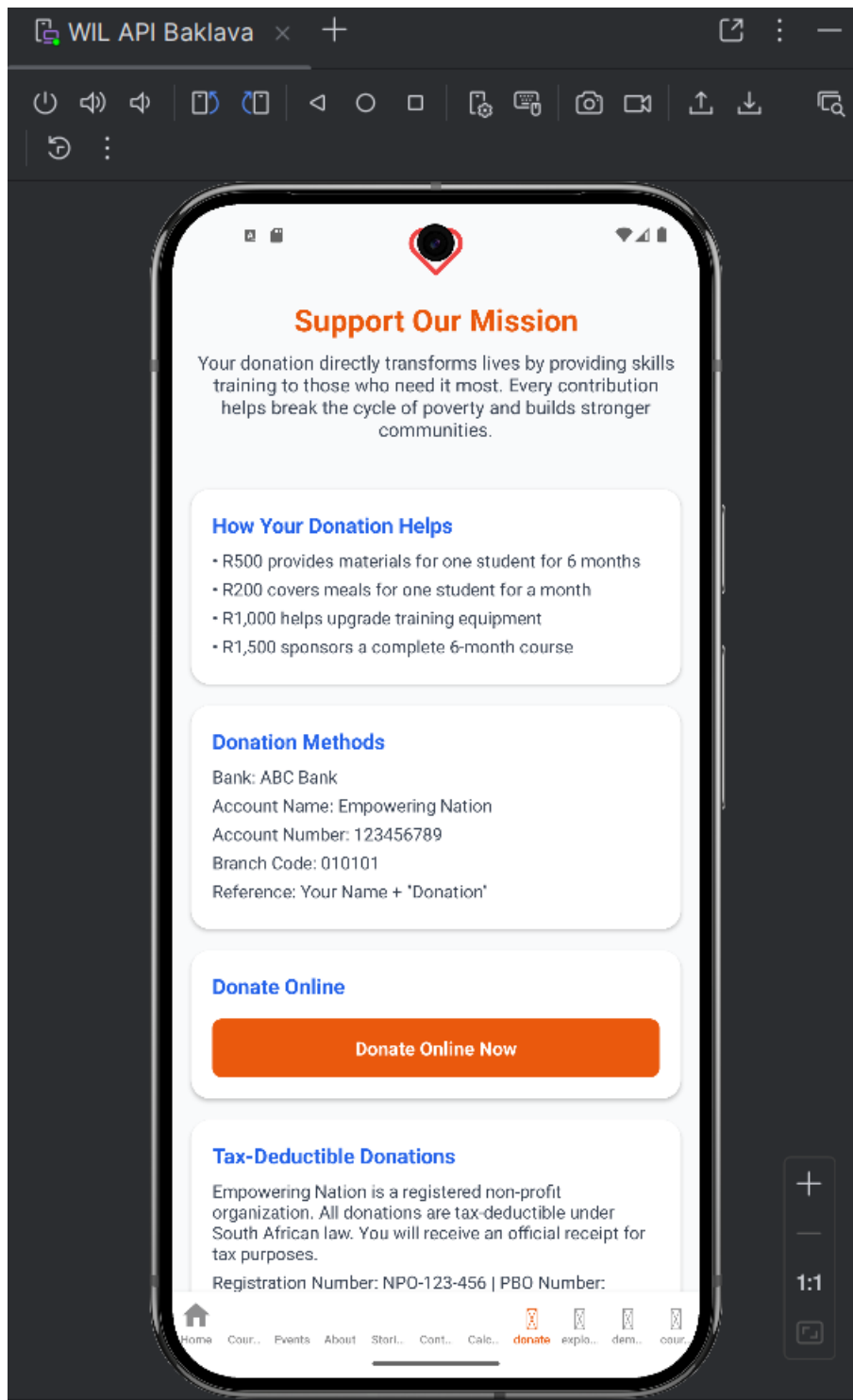


ABOUT US SCREEN





DONATE SCREEN



Empowering the Nation Website

1. Introduction

Empowering the Nation is a web application designed to provide skills training and professional development for domestic workers and gardeners in Johannesburg, South Africa. The platform aims to uplift individuals and communities by offering accessible, high-quality courses, resources, and support.

Target Audience:

- Domestic workers, gardeners, and community members seeking skills development
- Employers and organizations interested in supporting training initiatives

Project Goals:

- Deliver a user-friendly, accessible, and visually appealing platform
- Enable users to browse, register for courses, donate, and contact the organization

2. Background & Context

South Africa faces high unemployment and limited access to professional development for low-income workers. Empowering the Nation addresses this gap by providing practical, marketable skills and supporting community upliftment. The design draws on best practices in usability, accessibility, and digital inclusion.

3. Design Objectives

- **Usability:** Simple navigation, clear calls to action, and intuitive forms
- **Accessibility:** High color contrast, semantic HTML, keyboard navigation, and ARIA roles
- **Branding:** Warm, uplifting color palette and imagery reflecting empowerment and growth

4. User Experience (UX) Design

- Personas:

- Maria, a domestic worker seeking to improve her skills
- Thabo, a gardener wanting to start his own business
- Employers looking to sponsor training

- User Journeys:

- Discovering courses, registering, and receiving confirmation
- Donating to support a student
- Contacting the organization for more information

- Information Architecture:

- Main navigation: Home, About, Courses, Events, Testimonials, Contact, Fee Calculator
- Clear site map and logical page flow

5. User Interface (UI) Design

- Design System:

- Colours: Orange, green, and white for warmth and trust
- Typography: Modern, readable sans-serif fonts
- Icons: Lucid icons for clarity and visual interest

- Wireframes & Mock-ups:

- Home: Hero section, about, quick links, call to action
- Courses: Filterable list, course cards, detail pages
- Forms: Simple, large fields with clear labels and feedback

- Responsive Design:

- Mobile-first layout, flexible grids, and scalable images

6. Interaction Design

- **Navigation:** Sticky top bar, logo link to home, active link highlighting

- **Buttons:** Large, high-contrast, descriptive text (e.g., “Explore Our Courses”, “Donate Now”)
- **Forms:** Real-time validation, clear error messages, confirmation on submit
- **Accessibility:**
 - All interactive elements are keyboard accessible
 - Sufficient colour contrast and ARIA labels

7. Technical Implementation

- **Frontend:** React.js (Create React App)
- **Styling:** CSS, custom themes, Material Design influences
- **Routing:** React Router for page navigation
- **Component Structure:** Modular, reusable components (Button, Card, Badge, etc.)
- **State Management:** React hooks for local state
- **Assets:** Images and icons in `public/` and `src/assets/`

8. Testing & Evaluation

- **Usability Testing:**
 - Internal testing with sample users for navigation and form flows
 - Feedback used to improve clarity and reduce friction
- **Accessibility Testing:**
 - Checked with keyboard navigation and color contrast tools
 - Used ARIA roles and semantic HTML
- **Performance:**
 - Optimized images and code splitting for fast load times

9. Design Decisions & Rationale

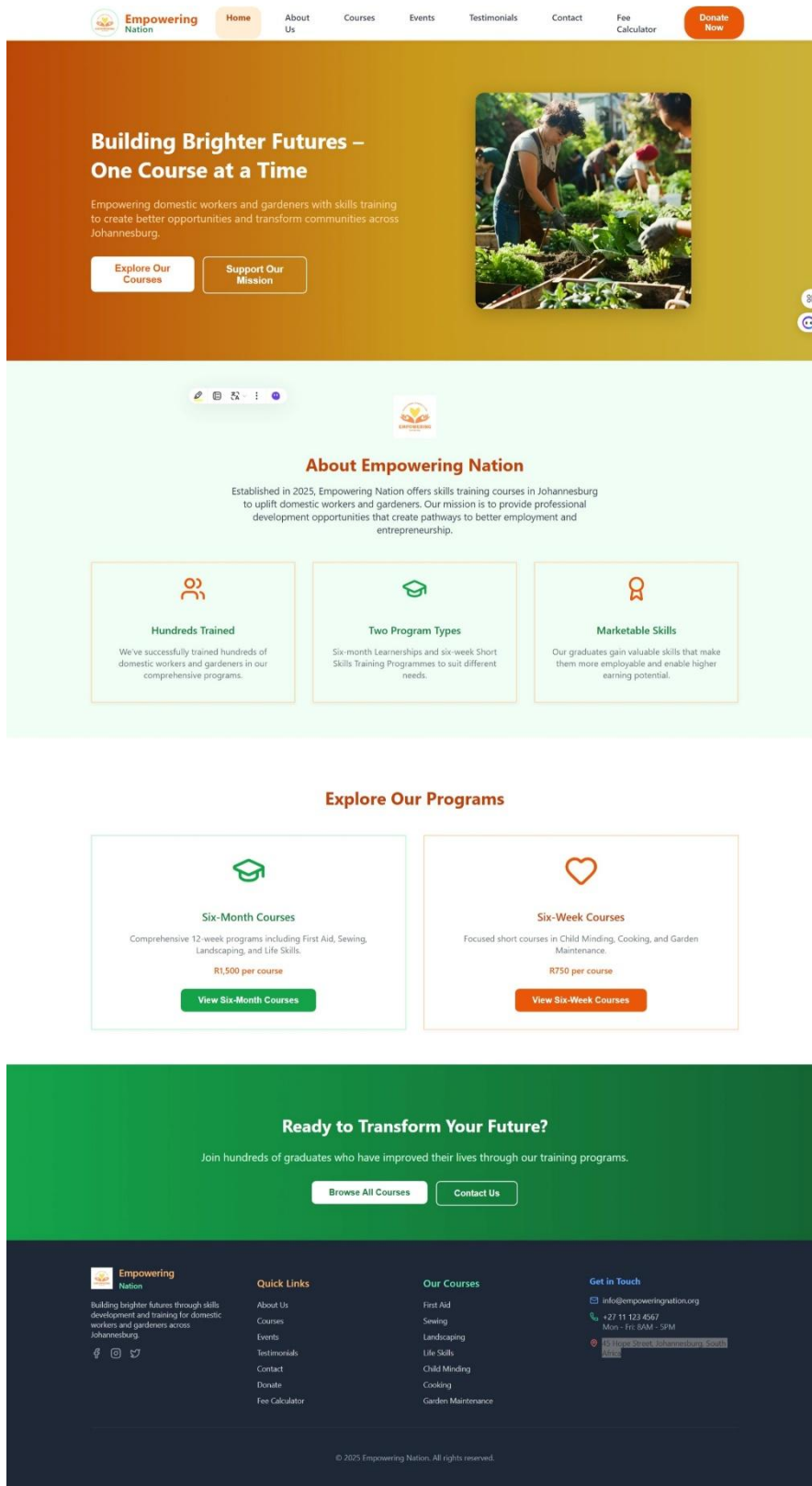
- **Navigation:** Chosen for clarity and ease of use, with sticky bar for quick access

- **Colour Palette:** Warm oranges and greens to evoke growth, trust, and optimism
- **Component Library:** Custom UI components for consistency and maintainability
- **Course Filtering:** Allows users to quickly find relevant programs
- **Demo Payment:** Safe way to demonstrate donation flow without real transactions

10. Logo



11. Website Screenshots



About Empowering Nation

Founded with a vision to break the cycle of limited opportunities, Empowering Nation is more than just a training center – we're a catalyst for community transformation.



Our Story

Empowering Nation was born from a deeply personal mission. Founder Precious Radebe witnessed firsthand how her parents and elderly relatives were denied opportunities to upskill themselves or pursue formal educational qualifications.

This training school is her way of supporting similarly affected members from her community, ensuring that today's domestic workers and gardeners have access to the opportunities that previous generations were denied.



Since our establishment in 2022, we've been dedicated to breaking down barriers and creating pathways to economic empowerment through practical, marketable skills training.

Our Mission & Goals



Our Mission

To empower marginalized communities by providing accessible, high-quality skills training that creates pathways to better employment, higher income, and entrepreneurial opportunities.



Our Vision

A South Africa where every person, regardless of their background, has access to opportunities for personal and professional growth, leading to stronger, more prosperous communities.



Community Impact

Strengthen communities by upskilling residents and creating local employment opportunities.



Skills Development

Provide practical, marketable skills that directly translate to better job prospects.



Economic Empowerment

Enable graduates to command higher wages and start their own businesses.

Who We Help



Domestic Workers

Empowering domestic workers with additional skills to increase their marketability and earning potential in households and commercial settings.



Gardeners

Training gardeners in advanced landscaping, maintenance techniques, and plant care to expand their service offerings and client base.



Youth & Job Seekers

Supporting unemployed youth and community members with practical skills training that opens doors to employment and entrepreneurship.

Meet Our Team



Precious Radebe

Founder & Director

Passionate about empowering communities through education and skills development.



Thabo Mthembu

Head of Training

Experienced educator with 15+ years in vocational training programs.



Nomssa Khumalo

Student Coordinator

Dedicated to ensuring every student receives personalized support and guidance.



David Mokoena

Partnerships Manager

Builds relationships with employers and community organizations for job placement.

Our Training Courses

Choose from our comprehensive range of skills training programs designed to enhance your career prospects and earning potential.

[All Courses](#)
[6-Month Courses](#)
[6-Week Courses](#)

First Aid Training

6 Months

Learn essential first aid skills for home and workplace safety.

⌚ Duration: 6 Months
💰 R 1,500
📁 6 modules covered

What you'll learn:

- Basic life support
- CPR and emergency response
- Wound care and bandaging
- +3 more topics

[View Course Details](#)

Sewing & Garment Making

6 Months

Master sewing techniques for personal and professional use.

⌚ Duration: 6 Months
💰 R 1,500
📁 5 modules covered

What you'll learn:

- Sewing machine operation
- Pattern reading
- Garment construction
- +2 more topics

[View Course Details](#)

Landscaping & Garden Maintenance

6 Months

Develop skills in landscaping, plant care, and garden design.

⌚ Duration: 6 Months
💰 R 1,500
📁 5 modules covered

What you'll learn:

- Soil preparation
- Plant selection
- Garden design
- +2 more topics

[View Course Details](#)

Life Skills & Professional Development

6 Months

Build confidence, communication, and workplace skills.

⌚ Duration: 6 Months
💰 R 1,500
📁 5 modules covered

What you'll learn:

- Communication skills
- Financial literacy
- Workplace etiquette
- +2 more topics

[View Course Details](#)

Child Minding & Early Childhood Care

6 Weeks

Gain skills for safe and effective child care.

⌚ Duration: 6 Weeks
💰 R 750
📁 4 modules covered

What you'll learn:

- Child safety
- Nutrition and hygiene
- Play-based learning
- +1 more topics

[View Course Details](#)

Cooking & Nutrition

6 Weeks

Learn to prepare healthy, affordable meals.

⌚ Duration: 6 Weeks
💰 R 750
📁 4 modules covered

What you'll learn:

- Meal planning
- Food safety
- Cooking techniques
- +1 more topics

[View Course Details](#)

Garden Maintenance Short Course

6 Weeks

Short course for basic garden care and maintenance.

⌚ Duration: 6 Weeks
💰 R 750
📁 4 modules covered

What you'll learn:

- Lawn care
- Pruning and trimming
- Basic landscaping
- +1 more topics

[View Course Details](#)

Ready to Get Started?

Take the first step towards a brighter future. Calculate your total fees and apply for multiple courses to receive our special discounts.

[Calculate Course Fees](#)
[Contact Us for More Info](#)

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[Cooking](#)
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Get in Touch

✉ info@empoweringnation.org

☎ +27 11 123 4567
Mon - Fri: 8AM - 5PM

📍 45 Hope Street, Johannesburg, South Africa



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[< Back to Courses](#)


Garden Maintenance Short Course
6-Week Program


Short course for basic garden care and maintenance.


Duration
6 Weeks


Course Fee
R 750


[Apply Now](#)
[Ask Questions](#)




Course Content


This comprehensive course covers all essential topics to ensure you gain practical, marketable skills:

- ✓ Lawn care
- ✓ Pruning and trimming
- ✓ Basic landscaping
- ✓ Tool maintenance


Learning Outcomes


Upon successful completion of this course, you will be able to:

- Apply learned skills in real-world work environments
- Command higher wages due to enhanced skill set
- Start your own business offering specialized services
- Provide more comprehensive services to employers
- Receive a certificate of completion recognized by employers


Application Requirements

- 16 years or older
- Physically able to work outdoors


Don't meet all requirements? Contact us to discuss your situation – we're committed to helping everyone who wants to learn.


Schedule & Dates

Upcoming Start Dates:

2025-11-10
2026-03-10


Classes are held Monday to Friday, 9:00 AM - 3:00 PM


Need More Info?

Have questions about this course? Our friendly staff are here to help.

Phone: +27 11 123 4567
Email: info@empoweringnation.org

[Contact Us](#)


Save with Multiple Courses!

2 courses: 5% discount
3 courses: 10% discount
4+ courses: 15% discount

[Calculate Your Savings](#)


Empowering Nation
 Building brighter futures through skills development and training for domestic workers and gardeners across Johannesburg.

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 Mon - Fri: 8AM - 5PM
 45 Hope Street, Johannesburg, South Africa

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Events & Workshops

Join us for workshops, graduation ceremonies, job fairs, and community events. Be part of our mission to empower communities through education and skills development.

Upcoming Events



Skills Development: First Aid Basics

Free introductory workshop covering basic first aid techniques. Perfect for those considering our full First Aid course.

Saturday, 15 February 2025
 09:00 - 15:00
 Community Centre, Alexandra

[RSVP / Join Event](#)



Graduating February 2025 Cohort

Celebrating the achievements of our latest graduates from the six-month programs. Families and employers welcome.

Thursday, 30 January 2025
 10:00 - 12:00
 Main Campus, Johannesburg

[RSVP / Join Event](#)



Community Outreach: Job Fair

Connecting our graduates with potential employers. Local businesses will be interviewing and offering positions.

Saturday, 8 March 2025
 08:00 - 16:00
 Soweto Civic Centre

[RSVP / Join Event](#)



Open Day - Explore Our Programs

Visit our facilities, meet instructors, and learn about all available courses. Free lunch and course materials provided.

Saturday, 22 February 2025
 09:00 - 17:00
 All Three Campuses

[RSVP / Join Event](#)

Past Events



Annual Fundraising Gala

Our biggest fundraising event of 2024 raised over R150,000 for scholarship programs.

Friday, 15 November 2024
 18:00 - 23:00
 The Venue, Melrose Arch

[Completed](#)



Cooking Competition - Students Showcase

Students from our Cooking course demonstrated their skills in a friendly competition. Winners received prizes and job offers!

Tuesday, 10 December 2024
 10:00 - 14:00
 Training Kitchen, Main Campus

[Completed](#)

Stay Updated on Our Events

Don't miss out on workshops, job opportunities, and community events. Contact us to stay informed about upcoming activities.

[Contact Us for Updates](#)

[View All Courses](#)

Contact Us

Have questions about our courses? Need guidance on which program is right for you?
We're here to help you take the next step toward a brighter future.

☐ Send Us a Message

Full Name * Email Address *

Subject

Message *

[Send Message](#)

Quick Contact

 **Main Office**
+27 11 123 4567

 **General Inquiries**
info@empoweringnation.org

 **Office Hours**
Monday - Friday
8:00 AM - 5:00 PM

Frequently Asked

How do I apply for courses?

Use our Fee Calculator to select courses and request a consultation.

Are there payment plans?

Yes, we offer flexible payment options. Contact us to discuss.

When do courses start?

We have multiple start dates throughout the year. Check individual course pages.

Our Locations

Main Campus

45 Hope Street, Johannesburg, 2001

Our main training facility with all course offerings

 +27 11 123 4567

 main@empoweringnation.org

Alexandra Branch

12 Progress Avenue, Alexandra, 2090

Community-focused branch serving the Alexandra township

 +27 11 765 4321

 alexandra@empoweringnation.org

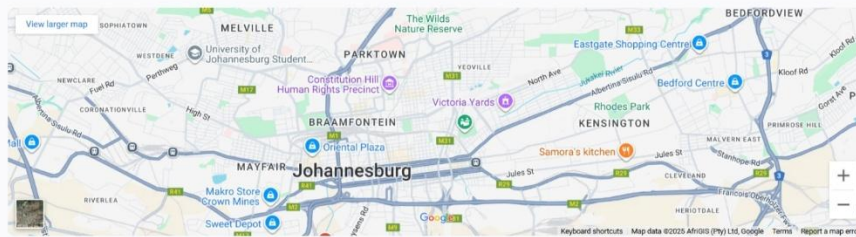
Soweto Campus

88 Freedom Square, Soweto, 1818

Full-service campus with specialized workshops

 +27 11 987 6543

 soweto@empoweringnation.org



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 info@empoweringnation.org
 +27 11 123 4567
Mon - Fri: 8AM - 5PM
 45 Hope Street, Johannesburg, South Africa



Course Fee Calculator

Select your desired courses and get an instant quote. The more courses you choose, the more you save with our discount packages!

Select Your Courses

Six-Month Courses (R1,500 each)

- ☐ **First Aid Training**
Learn essential first aid skills for home and workplace safety.
R 1,500.00
- ☐ **Sewing & Garment Making**
Master sewing techniques for personal and professional use.
R 1,500.00
- ☐ **Landscaping & Garden Maintenance**
Develop skills in landscaping, plant care, and garden design.
R 1,500.00
- ☐ **Life Skills & Professional Development**
Build confidence, communication, and workplace skills.
R 1,500.00

Six-Week Courses (R750 each)

- ☐ **Child Minding & Early Childhood Care**
Gain skills for safe and effective child care.
R 750.00
- ☐ **Cooking & Nutrition**
Learn to prepare healthy, affordable meals.
R 750.00
- ☐ **Garden Maintenance Short Course**
Short course for basic garden care and maintenance.
R 750.00

% Discount Tiers

1 course:	No discount
2 courses:	5% off
3 courses:	10% off
4+ courses:	15% off

Selected Courses

No courses selected yet

Need Help?

Have questions about our courses or need guidance on which ones to choose?

[Contact Our Team](#)

Contact Information

Full Name *

Enter your full name

Phone Number *

+27 XX XXX XXXX

Email Address *

your.email@example.com

[Calculate Total](#)

[Request Consultant](#)



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45 Hope Street, Johannesburg, South Africa



Demo Payment Portal

This is a demo payment page. No real transaction will occur.

Pay Now



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Africa

References

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