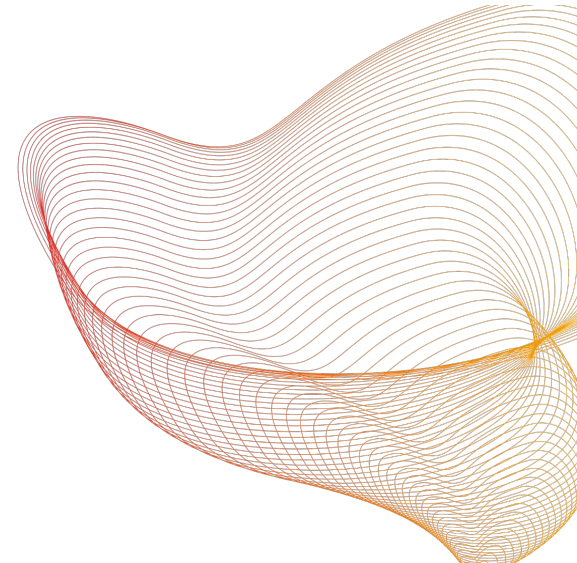




GROUP 3

Group title: CRZ

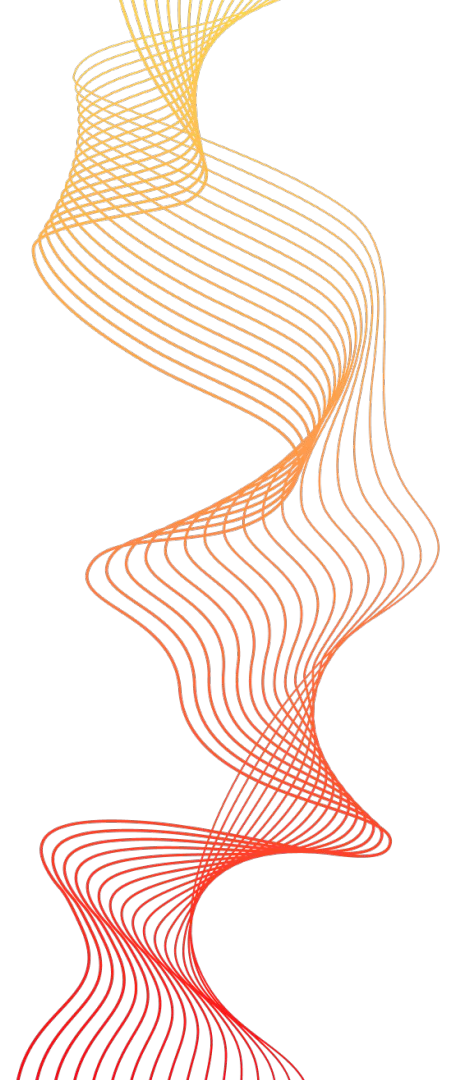
‘Competent, Reliable & Zippy’





Team Members

1. Zwanga Muthavhine - Project manager[PM]
2. Romeo Vlooh - Business Analyst[BA]
3. Chad Andrews - Software Development Lead [SD]





UVIWE NGO and Its Mission

- UVIWE NGO is a South African organization based in Port Elizabeth, Eastern Cape.
- Focuses on the well-being and development of vulnerable children and families in the region.
- Believes in the ability of every child, family, and community to shape a child's life.





Stakeholders

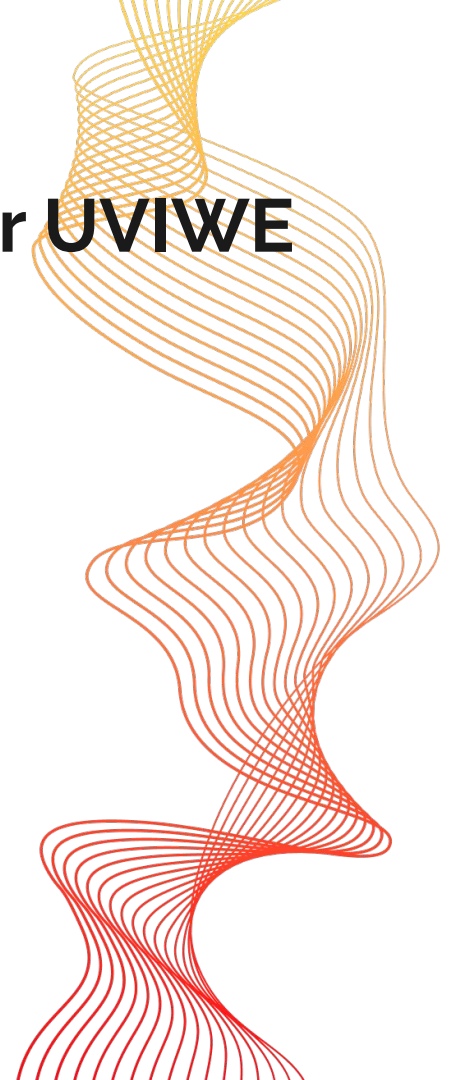
- Trudie Beneder, HR and Operations Manager at Uviwe
- Deidre Bermoskie, IT and HR administrator at Uviwe
- Reece Wanvig, Lecturer at Varsity College
- Andele van Heerden, Lecturer at Varsity College





Developing a Mobile Application for UVIWE NGO

A project to develop an android mobile application to track and record financial transactions and learners' attendance for UVIWE NGO, a South African organization based in Port Elizabeth.





Mobilizing UVIWE NGO's Business Processes

- UVIWE NGO needs a digital solution to track and record all financial transactions and learners' attendance.
- Business operations will be digitized and incorporated into a new android mobile application.
- The mobile application should be user-friendly, secure, and scalable to meet the NGO's growing needs.





Developing an Android Mobile Application

- Requirements for developing an android mobile application include a computer with a Windows, Mac, or Linux operating system, Android Studio, a compatible android device or emulator, and a Google account.
- Backend requirements for the mobile application include a server, a database, a programming language and framework, and a testing and deployment tool.
- Possible options for each requirement include Google Cloud or Azure for the server, MySQL, SQL server, or Firebase for the database, and Java or Kotlin for the programming language and framework.





Features of the Mobile Application

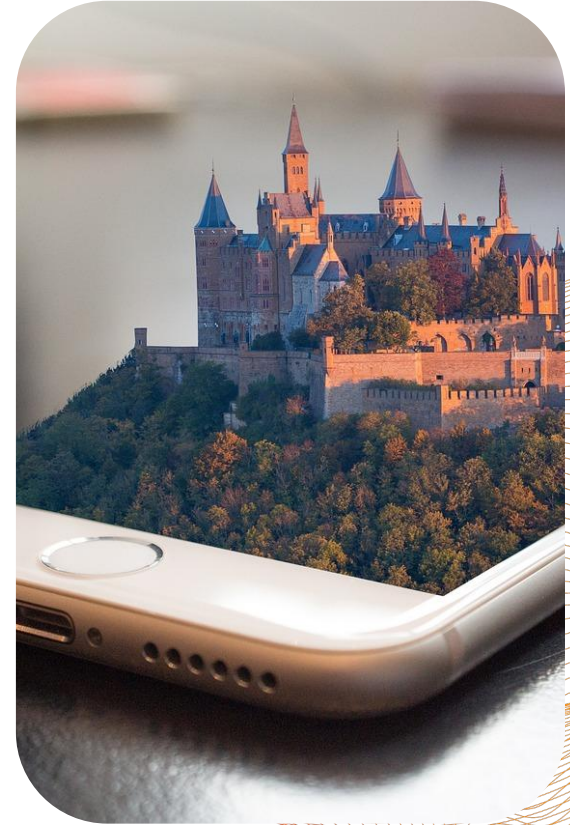
- The mobile application will allow users to enter data using different formats and generate reports and charts to visualize their progress and trends.
- Features of the application will also include reminders, notifications, backups, and synchronization across devices.





Project Goal and Objectives

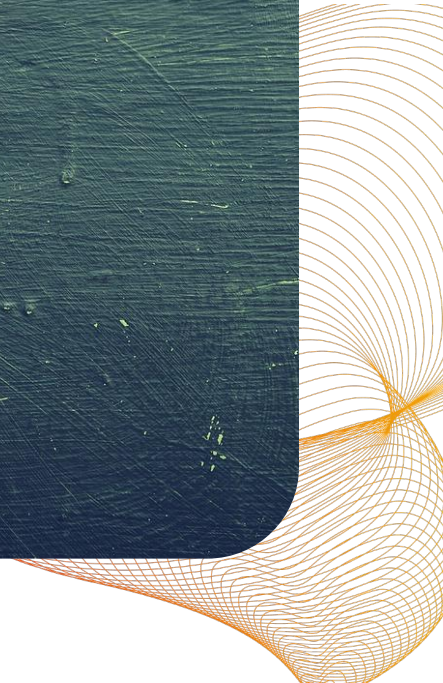
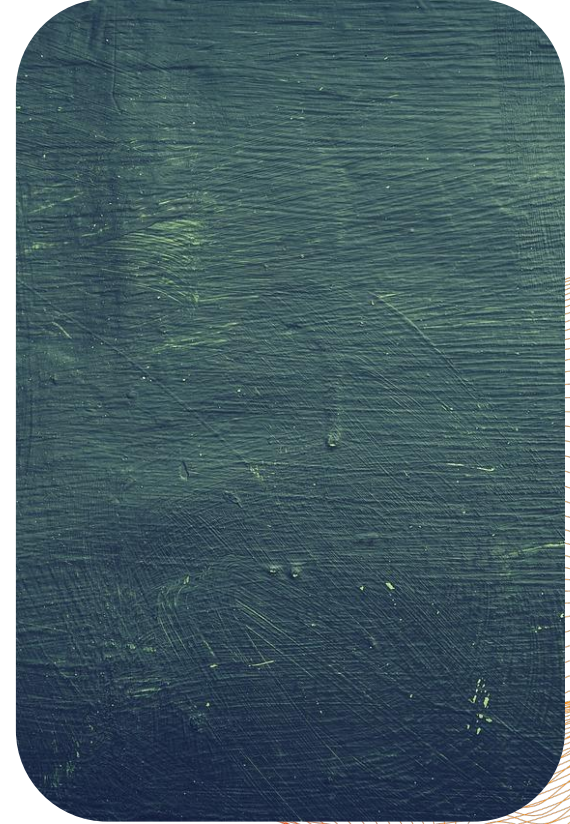
- Redesign processes for recording, storing, and updating financial and attendance records.
- Deliver new fundraising procedures and functions.
- Document processes and system use.
- Train staff on processes and system.





Project Boundaries

- Within scope: redesign processes for financial and attendance records, deliver new fundraising procedures, document processes and system use, train staff.
- Out of scope: increase in deliverables, managing inventory, adding new plugins.





Project Deliverables

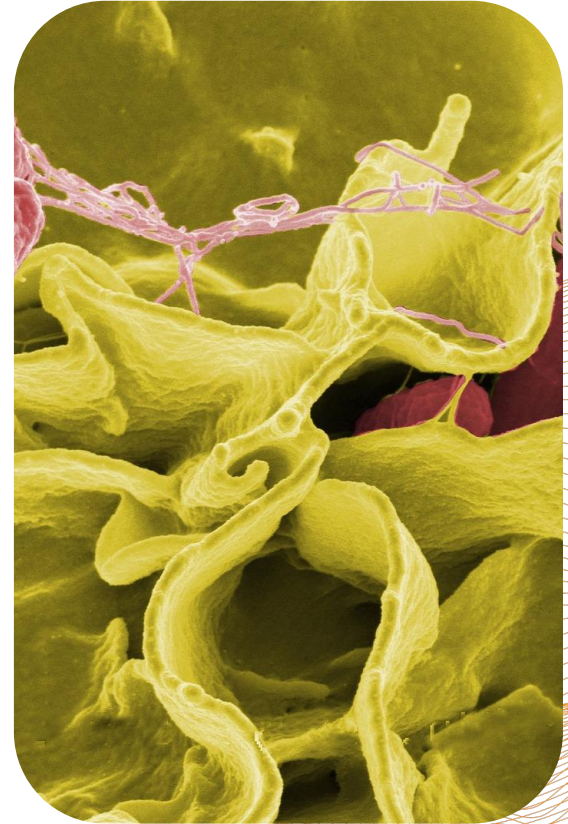
- End Deliverables: New learners' attendance tracking system, New financial transactions recording system, Fundraising system functionality, Service statistics report.
- Intermediate Deliverables: System specification, Business process analysis, System design/configuration plan, Server configuration, App database loading, Devices setup, Training complete.





Project Assumptions, Risks, and Constraints

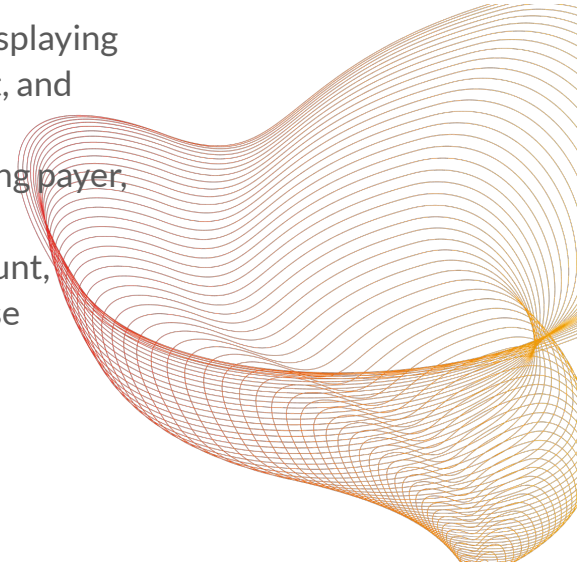
- Assumptions: organization responsible for installation and data loading, organization provides staff training, mobile app doesn't require customization.
- Risks: IT group doesn't have enough resources, success criteria cannot be confirmed until months after implementation, system requires extensive customization, legal risks.
- Constraints: limited budget, project execution complete by 2023.





Functional Requirements

- User login and registration
- Authentication and authorization for each user
- Display of functionality categories for business operations
- User ability to choose functionality for business operations
- Attendance functionality, including selecting school location and date, displaying list of learners, selecting available learners, generating attendance report, and storing report on database
- Financial functionality, including displaying list of account payers, selecting payer, date and amount, generating report, and storing report on database
- Fundraising functionality, including entering donor details, donated amount, target amount, amount left to reach target, and storing report on database





Next meeting Agenda

Azure vs Firebase

- Comparison of Azure and Firebase hosting services
- Analysis of features and pricing
- Exploration of which hosting service will work best for the project





Thank you for your time 😊