

UI Design and Implementation

Task 5 Presentation by group 23

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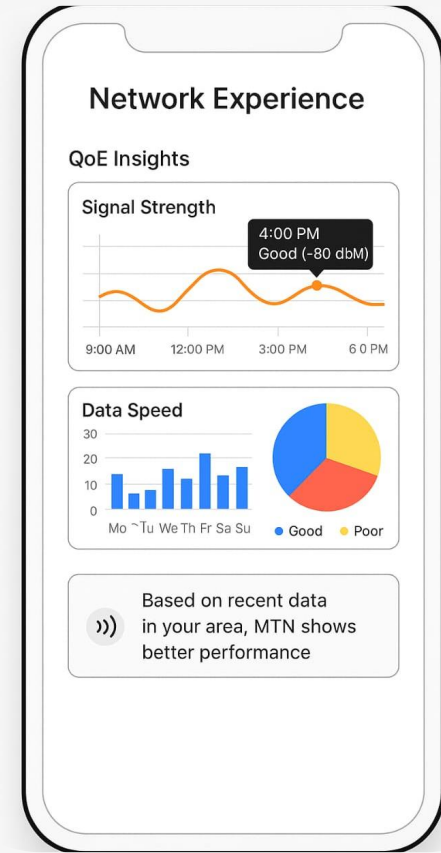
The background features a light gray field with a network of thin blue lines and small white circular nodes. These lines form a complex, interconnected pattern that resembles a circuit board or a data network, with some lines ending in rounded rectangular shapes.

INTRO AND APP IDENTITY

NTUV TCHAP TSA JAMISON LII

Introduction to *Ui/Ux* Design in Mobile Apps

- UI design enhances usability, trust, and engagement.
- Good UI ensures smooth navigation and real-time feedback.
- Visually pleasing design fosters longer user interaction.
- Key to Trackify's ease of use and technical communication.



App Identity: *Trackify*

Tracking

Provides Real-time network tracking and to our target users, a strong use case which was mentioned in task 3

Target Audience

Mobile Subscribers seeking simple insights
Tech Saavy users needed texhcnical diagnostics

Feature Rich

Designed to balance Usability with powerfull features



VISUAL DESIGN AND APPROACH

MBIGHA KINENUI STEPH

Visual Design *Identity*

The table below gives a summary of our visual design

Color Scheme	Red: Critical, Yellow: Warning, Blue: Neutral, Green: Good
Typography	Inter & Roboto for readability
Iconography	Minimal, consistent, intuitive
Interfaces	Dark mode interface enhances readability and battery life.

Visual Design Process and layout *decisions*

**1) Card Based
layout for
scannable metrics**

**2) Grid stucture
ensures consistenc
among devices**

**3) Heirarchy via
font size, color
and spacing**

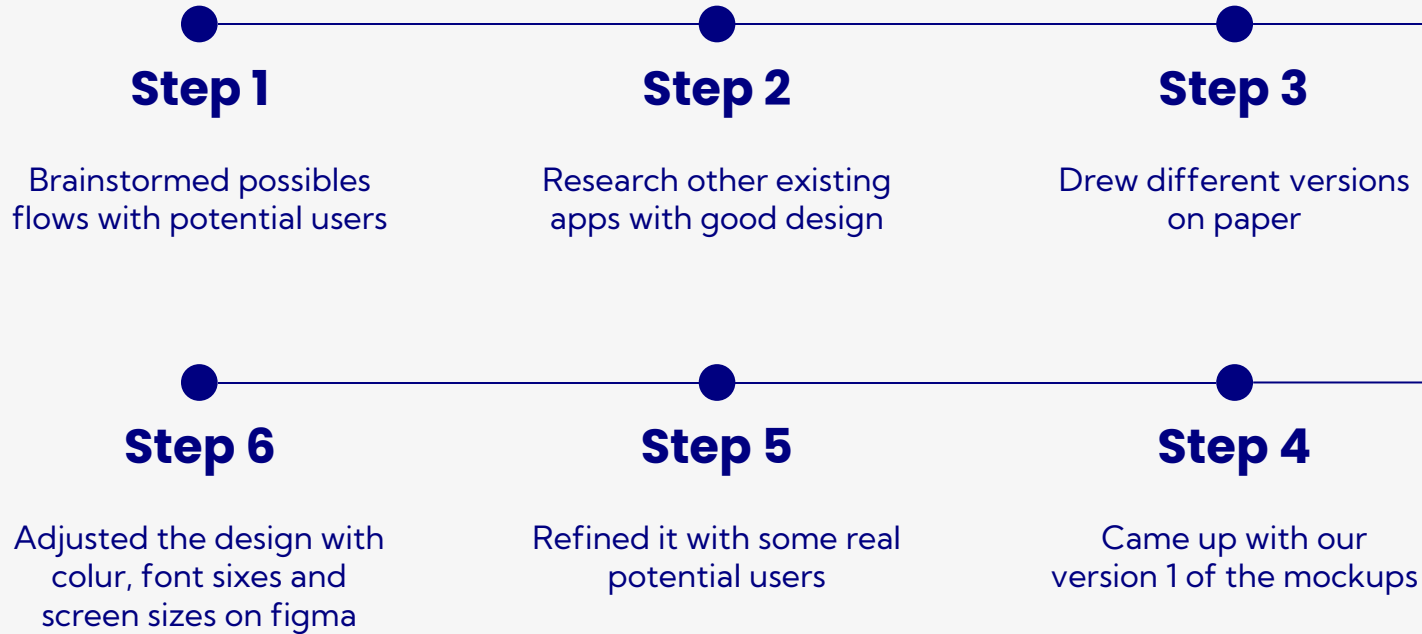
**4) Animations, smooth
transitions , button
feedback and
validation cues**



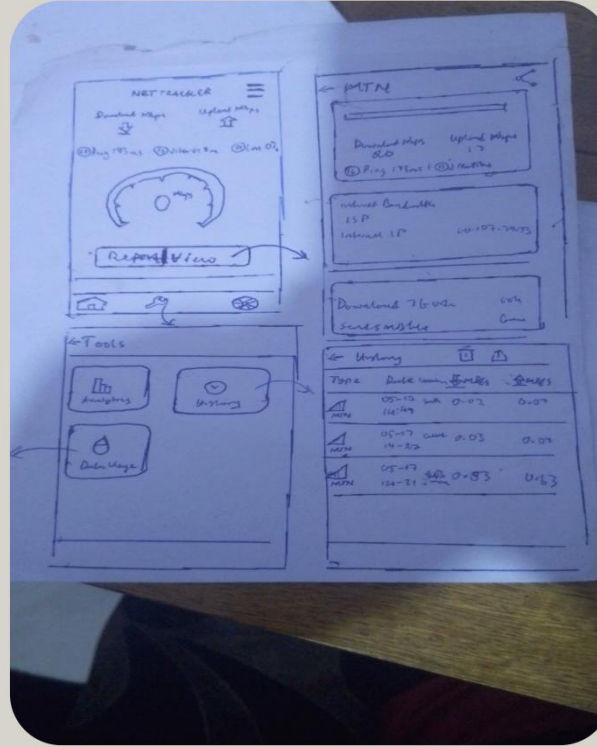
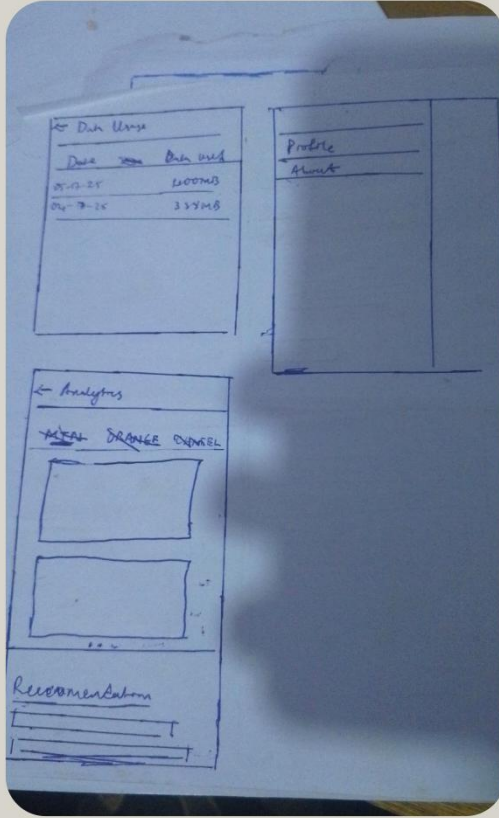
Screen Mockups

NGANYU BRANDON

How did we come up with the *mockup's*?



Wire Frames





Frontend Implentation

TIAYA FOTSEU JOSUE

Frontend *Implementation* Overview

The table below gives a summary of our frontend Implementation

Tools Used	Built with React Native for cross platform app development
Modular Components	Cards , inputs, indicators
Styling	Styled components with theme support
Responsiveness	Responsive with flex box and light and dark mode as a plus

Ui interactions and Animations

1)

Real time form Validation with feedback animations

3)

Lottie animations for visual indicators

2)

Button Press effects, animated transitions

4)

State management with useState/context API

Design's

Welcome Page



Trackify

Experience your network smarter
by sharing and viewing anonymous
performance data

- Monitor your network quality in real-time
- Share feedback to improve service in your area
- View personalized network performance insights
- Track your usage patterns and optimize your experience

Sign In
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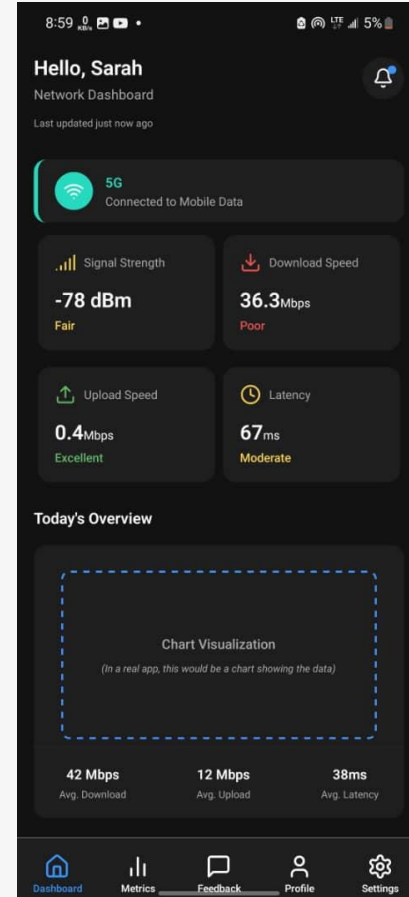
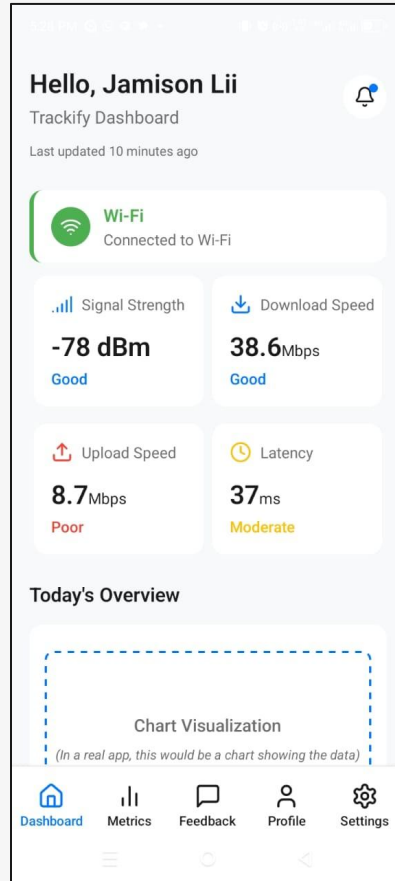
- Monitor your network quality in real-time
- Share feedback to improve service in your area
- View personalized network performance insights
- Track your usage patterns and optimize your experience

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Design's

Dashboard



Design's

Create Account Page

9:03 AM

← Create Account

Join Trackify

Create an account to help improve network service in your area

Full Name

Enter your full name

Email

Enter your email

Password

Create a password

Confirm Password

Confirm your password

• At least 8 characters

Create Account

Navigation icons: hamburger menu, home, back

9:03 AM

← Create Account

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Full Name

Enter your full name

Email

Enter your email

Password

Create a password

Confirm Password

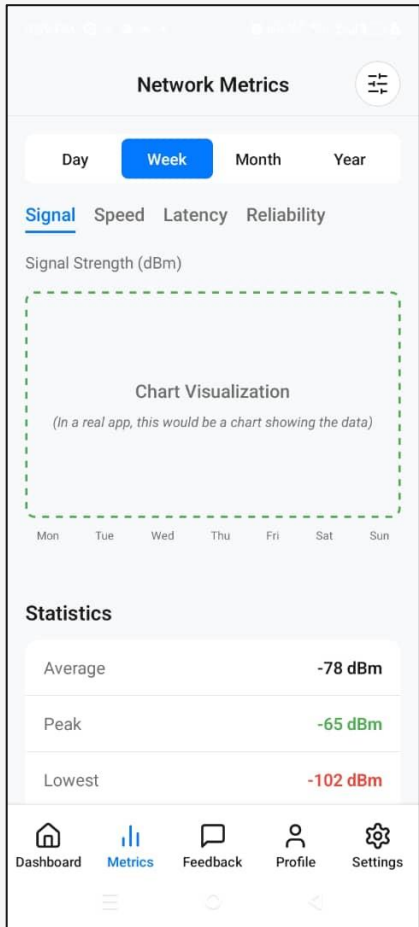
Confirm your password

• At least 8 characters

Create Account

Navigation icons: hamburger menu, home, back

Analytics



Feedback

Provide Feedback

How is your experience today?

Very Poor Poor Neutral Good Excellent

What area would you like to provide feedback on?

Call Quality Internet Speed Signal Strength App Experience Customer Service Other


Tell us more

Describe your experience...

Dashboard Metrics Feedback Profile Settings

Profile

My Profile

 **Sarah Johnson**
ID: USR20451

24 Feedback Provided 73 Days Active 128MB Data Shared

Contact Information

+1 (555) 123-4567
sarah.johnson@example.com
San Francisco, CA

Account Actions

Edit Profile >

Data Sharing Preferences >

Dashboard Metrics Feedback Profile Settings

The background features a light blue-grey gradient. It is decorated with a network of thin, dark blue lines that resemble circuit traces or a stylized map. These lines form various shapes, including rounded rectangles at the top and bottom, and vertical and horizontal paths with small circular nodes at the corners and intersections. The overall effect is a modern, technical, and interconnected aesthetic.

Challenges

NGULEFAC THEODORE

Some Challenges

- **Cross Platform inconsistencies solved with `platform.select` function**
- **Lazy loading and `React.memo` for performance**
- **Custom Wrappers ensured `Ui` consistency**

Conclusion

- **Ui Made the App intuitive accessible and responsive**
- **Animations improved user Confidence and trust**
- **Modular design supports future scalability**



Thanks!

Do you have any questions?