

Scam Check NG

Capstone 21 · FinTech · Talodabi Academy

1 · Project overview

Mobile fraud checker for pasted SMS or WhatsApp text. Not a bank app.

Deliverable	Full mobile MVP in Figma (not code)
Platform	Mobile app · Android-first · portrait
Screens	11 screens + 1 unhappy path (12 frames)
Features	3 core features
Bottom navigation	Check · History · Report · Profile
Prototype	4 linked flows

Build order: Auth (screens 1–4) → nav tabs (5–8) → core flow (9–11) → unhappy path → link prototypes.

2 · Problem & primary user

Nigerians lose money daily to SMS, WhatsApp, and fake bank alerts. UK and US users have bank fraud hotlines. Here, victims act in seconds on a USSD or transfer request with no simple checker for local scam patterns.

Primary user

"Blessing, a 32-year-old shop owner in Enugu who almost sent ₦400,000 after a fake GTBank SMS."

Geographic scope: National-level

3 · Goals

User goal: Paste suspicious text and see plain-language risk before sending money.

Business goal: B2B: banks, telcos, and fintechs license fraud-pattern alerts; freemium for consumers.

Success: User pastes text and gets risk level with reasons.

4 • Market context

QUESTION	ANSWER
Who pays	Banks and telcos license fraud feeds; freemium for consumers (assumption).
Why not WhatsApp	People forward screenshots in family WhatsApp groups. That does not score risk or build a shared scam library.
Design focus	Paste text, instant risk reasons, report new pattern. Mobile-first, works on 2G.

Competitors to check:

- **Bank SMS and app warnings** (fragmented)
- **EFCC public alerts** (not personal checker)
- **Manual ask a friend** (default)

5 • Validate before you design

Interview 3–5 people who match your primary user. Update this brief if interviews contradict it. Do not start hi-fi until you complete the confirmation below.

FIELD	YOUR ANSWER
Validated user (name, age, city)	
Problem in one sentence	
One interview quote	
Success metric for your test	
Primary colour and tone	
One competitor you checked	

Interview prompts

- "Walk me through the last time this happened."
- "What did you use instead? WhatsApp, paper, or nothing?"
- "What would make you trust this on a cheap Android phone?"
- "What would stop you from using this every week?"

6 • Features & scope

v1 • three features

1. Paste SMS or WhatsApp text into a checker
2. See risk level with reasons matched to Nigerian scam types
3. Report a new scam pattern to help others

Out of scope

- Blocking transfers
- Bank login
- Law enforcement reporting

7 • Screens

Design every row in wireframe, high-fidelity UI, and prototype (where the flow applies).

#	LAYER	SCREEN	WHAT TO SHOW
1	Auth	Splash Screen	App logo, name, and tagline for Scam Check NG.
2	Auth	Onboarding (1 screen)	Explain the app in one sentence. One Get Started button.
3	Auth	Sign Up Screen	Name, phone number, state, and PIN. No email required.
4	Auth	Sign In Screen	Phone number and PIN. Forgot PIN link.
5	App shell	Check (tab)	Large paste field, Check Now button, and two recent checks. Show bottom nav with Check active.
6	App shell	History (tab)	List of past checks with date and risk level. Empty state if none yet. Show bottom nav with History active.
7	App shell	Report (tab)	Form to submit a new scam message pattern. Optional screenshot attach. Show bottom nav with Report active.
8	App shell	Profile (tab)	Name, phone, state, and notification toggle. Sign out link. Show bottom nav with Profile active.
9	Core flow	Check · Paste and run	Text pasted, Check Now tapped. Show bottom nav on post-sign-in screens.
10	Core flow	Check · Risk result	Risk level with bullet reasons. Show bottom nav on post-sign-in screens.
11	Core flow	Report · Submitted	Scam pattern report thank you state. Show bottom nav on post-sign-in screens.

Layers: Auth = 1–4 · App shell = 5–8 · Core flow = 9–11

8 • Prototype flows

Link these in Figma. Examiners should click through without your voice-over.

Flow 1 · App entry

Splash → Onboarding → Sign Up or Sign In → first main tab

Flow 2 · Core task (all three features)

Sign In → Check tab → Risk result → Report tab → Submitted → History tab

Core flow screens: Check · Paste and run · Check · Risk result · Report · Submitted

Flow 3 · Navigation

Link every nav tab so examiners can tap each bottom nav item. Tabs: Check · History · Report · Profile

Flow 4 · Unhappy path

Trigger the unhappy path edge case and link to that screen.

9 · Unhappy path

Design this as its own screen state (frame 12):

User pastes empty text. Show: Please paste the full message you received.

Link in **Flow 4**.

10 · Design system

RULE	DETAIL
Colour	You choose. Keep it simple and readable.
Type	You choose. Keep body text easy to read on a phone.
Tone	Design for your user, not for a tech audience.

Reuse on every screen:

- Primary button (active and disabled states)
- Input field (empty, filled, and error states)
- Card or list item used across the app

- Navigation bar with correct labels and icons
- Empty state: what the screen looks like with no data

11 · Submit & defense

Deliverables

#	DELIVERABLE	WHAT GOOD LOOKS LIKE
1	Wireframes	Every screen in this brief, plus the unhappy path. Layout and labels clear.
2	High-fidelity UI	Same frames polished. You choose colour and type. Bottom nav on every post-sign-in screen.
3	Prototype	Four linked flows (entry, core task, navigation, unhappy path). Examiners can use the app without your voice-over.
4	AI prototype	Figma Make: at least 2 screens. Share link.
5	Case study (1 page)	Problem · User · Who pays · Competitors · Solution · One design decision
6	Presentation (6–8 slides)	Name · Problem · User · Solution · Key screens · Flow demo · One decision

Before you present

- ☐ Every screen designed in wireframe and hi-fi
- ☐ Unhappy path screen designed and linked in the prototype
- ☐ Four prototype flows linked end to end
- ☐ At least one empty state on a list tab
- ☐ Shared components reused: button, input, card or row, bottom nav
- ☐ Case study names who pays and one competitor you checked
- ☐ You can explain one design decision in critique (why, not what)
- ☐ Completed 5 user interviews or 1 usability test
- ☐ Checked at least one competitor listed under Market context

