

Traffic Fine Checker

Capstone 38 · Civic tech · Talodabi Academy

1 · Project overview

Fine status lookup and official pay guide. Warn about touts.

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 · Vehicles · Guide · 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

FRSC and state fines confuse drivers; touts exploit ignorance. UK pays online centrally; Nigerians face unclear fine status.

Primary user

"James, a 36-year-old driver in Lagos who received a fine notice."

Geographic scope: National-level

3 · Goals

User goal: Enter plate or notice number and see status with official payment steps.

Business goal: Convenience fee on payments; government API partnerships.

Success: User checks plate and understands pay steps.

4 · Market context

QUESTION Talodabi Academy	ANSWER
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Who pays	Convenience fee on official payments; gov API partnerships.
Why not WhatsApp	Touts offer fake payment help at offices.
Design focus	Plate lookup, official pay steps, tout warning copy.

Competitors to check:

- **Visit FRSC office** (default)
- **Tout middlemen** (risky)
- **Paper notice uncertainty**

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. Enter vehicle plate or fine reference
2. See fine status and amount
3. Step-by-step official payment path

Out of scope

- Issuing fines
- Court cases
- Every state API without label

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 Traffic Fine Checker.
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)	Plate or reference input and Check button. Show bottom nav with Check active.
6	App shell	Vehicles (tab)	Saved plates for quick recheck. Add vehicle button. Show bottom nav with Vehicles active.
7	App shell	Guide (tab)	Official payment steps and tout warning banner. Show bottom nav with Guide active.
8	App shell	Profile (tab)	Name, phone, and default state for fines. Show bottom nav with Profile active.
9	Core flow	Fine result	Status, amount, date for plate/reference. Show bottom nav on post-sign-in screens.
10	Core flow	Pay guide · Open	Official payment steps expanded. Show bottom nav on post-sign-in screens.
11	Core flow	Vehicle · Saved	Plate stored on Vehicles tab. 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 → Fine result → Guide tab → Vehicles tab

Core flow screens: Fine result · Pay guide · Open · Vehicle · Saved

Flow 3 · Navigation

Link every nav tab so examiners can tap each bottom nav item. Tabs: Check · Vehicles · Guide · 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):

Reference not found. Show: We could not find this fine. Verify paper notice and try again.

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

