

Diaspora Home Watch

Capstone 50 · PropTech · Talodabi Academy

1 · Project overview

Diaspora build milestone photos and approve flow.

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	Projects · Updates · Pay · 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

Diaspora owners cannot inspect builds or tenants easily. US owners use property managers; Nigerians abroad rely on unreliable WhatsApp photos.

Primary user

"Ken, a 39-year-old IT worker in Canada building a house in Umuahia."

Geographic scope: National-level

3 · Goals

User goal: Schedule site photo updates and approve milestone payments from phone.

Business goal: Subscription for diaspora owners; vetted local agents take inspection gigs.

Success: Owner reviews milestone photos and approves or flags.

4 · Market context

QUESTION Talodabi Academy	ANSWER
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Who pays	Diaspora subscription; vetted local agents take inspection gigs.
Why not WhatsApp	Relatives send occasional WhatsApp photos without dates.
Design focus	Milestone timeline plus geo-tagged photos plus approve before pay.

Competitors to check:

- **WhatsApp photos from cousin** (default)
- **Unvetted local agent** (trust risk)
- **Fly home to inspect** (expensive)

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. Create property project with milestones
2. Receive geo-tagged photos from assigned agent
3. Approve or flag milestone before next payment

Out of scope

- Legal property transfer
- Escrow without license
- Construction project management suite

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 Diaspora Home Watch.
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	Projects (tab)	Active projects with last update date and status. Show bottom nav with Projects active.
6	App shell	Updates (tab)	Photo feed from agent with date and milestone label. Show bottom nav with Updates active.
7	App shell	Pay (tab)	Milestone payment approve/flag list with amounts. Show bottom nav with Pay active.
8	App shell	Profile (tab)	Owner name, country, and backup contact in Nigeria. Show bottom nav with Profile active.
9	Core flow	Milestone · Photos	Geo-tagged photos from field agent. Show bottom nav on post-sign-in screens.
10	Core flow	Milestone · Approved	Owner approved milestone for payment. Show bottom nav on post-sign-in screens.
11	Core flow	Update · Overdue flag	No upload in 7 days warning 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 → Projects tab → Milestone photos → Pay tab approve → Updates tab

Core flow screens: Milestone · Photos · Milestone · Approved · Update · Overdue flag

Flow 3 · Navigation

Link every nav tab so examiners can tap each bottom nav item. Tabs: Projects · Updates · Pay · 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):

No photo upload for 7 days. Show: Update overdue. Notify agent and backup contact.

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

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