

CivicPulse Design Document

1. Overview

CivicPulse is a crowd-powered civic reporting app enabling residents to report issues like potholes, trash, and more.

2. Design Inspiration

- Suggested inspiration sources: Dribbble, Mobbin
- Clean map-first UI, bottom-sheet report flow, and bold status tags.

3. Key Screens (Wireframe-Level)

A) Map Home

- Full-screen map with report markers
- Filter chips: All / Potholes / Trash / Hazards
- Floating action button: + Report

B) Create Report Flow

- Step 1: Select category
- Step 2: Add description
- Step 3: Upload photo (S3 presigned)
- Step 4: Confirm location (pin drop)

C) Nearby Feed

- List view sorted by visibilityScore
- Each card shows: category, status, distance, upvotes

D) Report Detail

- Photo + metadata + map snapshot
- Upvote button (1 vote/user/report)
- Comments section
- Status timeline / audit log

E) Admin Dashboard

- Table of reports with tier filtering (Tier0–Tier3)
- Status management + escalation queue

4. UI Components

- Marker pins by category color
- Status pill: Open / In Review / Resolved
- Bottom sheet for report creation + detail preview
- Toast notifications for actions

5. Interaction Notes

- Tapping marker opens preview bottom sheet
- Swipe up expands report detail
- Upvote animates + updates score immediately

6. Accessibility

- High-contrast colors

- Minimum 44px tap targets
- Screen-reader labels for map controls