

SLEEPQUEST

A login-free campus leaderboard that turns the sleeping photos students already share in WhatsApp into fair, transparent, checkable scores.

UNOFFICIAL MASTERS' UNION COMMUNITY PROJECT

NOT A HEALTH OR SLEEP-TRACKING APP

01 IDEA

SleepQuest converts the cohort's existing WhatsApp "caught sleeping" photos into a public leaderboard and a dated photo archive. Both sides of the joke score: **Sleepers** are ranked by distinct times caught, **Spotters** by first posting a valid sighting. Contribution stays in WhatsApp; SleepQuest is the scoring, discovery and recognition layer. Parsing is deterministic — no AI, OCR or facial recognition.

02 TARGET AUDIENCE

The 465-student Masters' Union 2026 community already playing the game in WhatsApp, across four courses — TBM C7, YLC C2, HROS C1 and SMG C1. They visit in short, repeat mobile sessions after a new sighting. A single secondary user, the authorised organiser, imports the group export and moderates.

03 USER FLOW

Open the app — no account, no onboarding — and land on the All-Time Sleeper board. Switch role (Sleepers / Spotters), switch period (All-Time / Month / Week), filter by course or fraternity, open a player profile or the sighting feed, then share. Both journeys, public and administrative, are set out in full on page 2.

04 HOSTED WEB APP

sleepquestleaderboard.lovable.app

Public, live and login-free. Scan the code or click the link above. Verified reachable and populated on 25 August 2026.



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ARTEFACT

Lovable web app, publicly hosted

IN THIS DOCUMENT

7 pages • 4 mobile captures
• 2 diagrams

WHO PLAYS, AND HOW THEY MOVE

Two audiences, two very different journeys. Students get a read-only public experience with no account and no way to write score data. One authorised organiser gets a protected import and moderation workflow. Keeping these apart is what keeps the leaderboard trustworthy.

PRIMARY AUDIENCE • ROSTER OF 465

TBM C7276

YLC C2104

HROS C148

SMG C137

Students already post sightings in existing WhatsApp groups. SleepQuest was designed around that behaviour rather than asking the cohort to adopt another posting platform.

SECONDARY AUDIENCE • ONE ORGANISER

A single authorised keeper exports the WhatsApp group with media, uploads one ZIP, and reviews what the parser could not resolve. Hide, restore and undo actions recompute the affected rankings, so a mistake is recoverable rather than permanent.

PUBLIC WRITES → NONE

PUBLIC LOGIN → NOT REQUIRED

ADMIN AREA → PROTECTED

PUBLIC PARTICIPANT FLOW

01 OPEN

Land on All-Time Sleepers. No account, no onboarding.

02 CHOOSE ROLE

Sleepers or Spotters — two separate standings.

03 CHOOSE PERIOD

All-Time, Month or Week, computed in IST.

04 NARROW

Filter by fraternity or course, or search a person.

05 INSPECT

Podium, full rankings, fraternity totals, a profile.

06 EXPLORE + SHARE

Browse the feed and archive, copy a link or share a card.

ADMIN / DATA FLOW

PROTECTED • NOT PUBLIC

01 SIGN IN

Authorised organiser opens the protected area.

02 UPLOAD ZIP

One WhatsApp export, with media, from phone or laptop.

03 PARSE

Deterministic reading of supported messages and attachments.

04 RESOLVE

Match senders and explicit tags to roster participants.

05 SCORE + DEDUPE

Cluster 15-minute chains, then apply scoring rules once.

06 PUBLISH

Refreshed rankings and feed become publicly visible.

DISCOVERY IN ONE SCREEN

Every control a student needs sits above the fold on a phone: search, the role switch, both filters, the podium, and the period navigation pinned to the bottom. Nothing is buried in a menu.

MOBILE VIEWPORT
393 × 852 • PORTRAIT

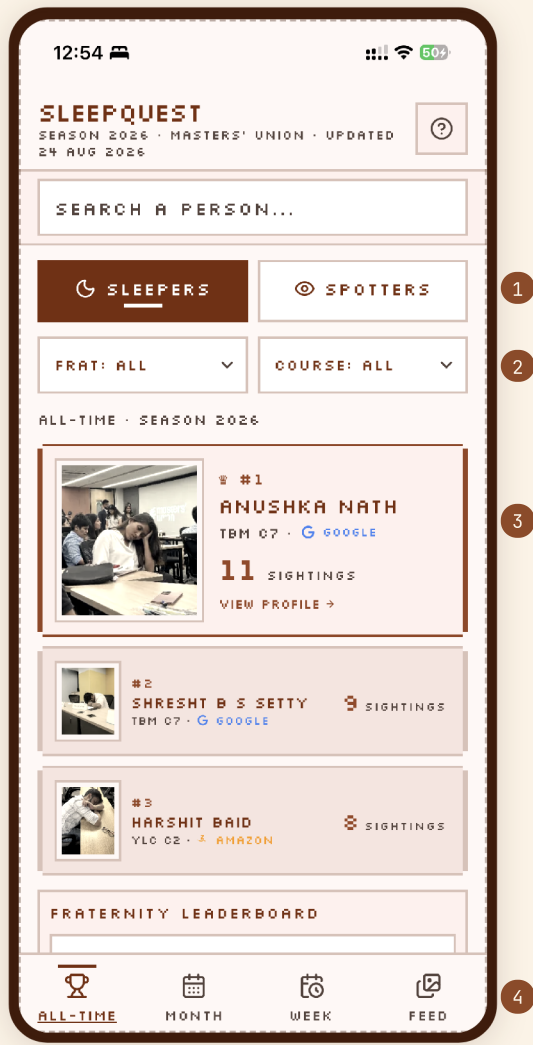


FIGURE 1 • SLEEPERS • ALL-TIME

Proof of a populated, filterable ranking that works on a phone: search, role switch, both filters and the podium are reachable in one screen, and the podium carries real counts — 11, 9 and 8 sightings. 1 role switch • 2 fraternity and course filters • 3 top-three podium • 4 period navigation, pinned to the bottom.

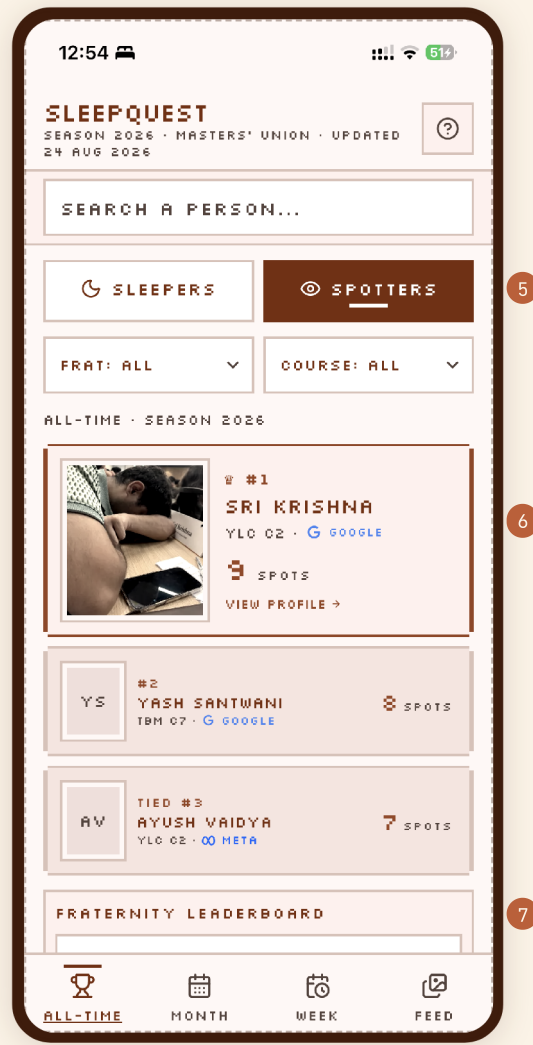


FIGURE 2 • SPOTTERS • ALL-TIME

The people who make the game are ranked too. This board was empty in the 10 August audit; here it returns a full standing led by 9 spots, with shared scores labelled **Tied #3** instead of an invented order. 5 Spotters selected, filters unchanged • 6 spotter podium • 7 fraternity leaderboard for the same role.

DESIGN DECISION • Role and period are switches, not separate pages, so a student can compare four standings without losing their filters or their place in the list.

HONEST SCORES, VISIBLE WORKING

The feed shows its arithmetic. Each card states who was caught, who spotted them, and whether the photo scored — so a student can audit any number on the leaderboard without asking the organiser.

MOBILE VIEWPORT
393 × 852 • PORTRAIT



FIGURE 3 • SIGHTING FEED

Attribution is resolved — the defect found on 10 August, when sampled posts read “Unknown”, no longer appears. 8 every card is stamped with its date, the sleeper and the spotter. 9 the original WhatsApp caption is kept verbatim, and both names link to real player pages. Further down the feed each photo carries its score state: **Counted • +1 Spotter Point**, or **Same sighting • point already counted** for a repeat of the same nap.



FIGURE 4 • PLAYER PROFILE

One page answers “how am I doing?” on both sides of the game. 10 **Caught Sleeping** and **Spotted Others** each carry an All-Time figure plus Month and Week rank. 11 share actions — copy link, story and role cards. 12 a dated archive, and the sightings this player is credited for.

WHY THIS MATTERS • A profile can hold more photos than points. Publishing that difference — instead of hiding it — is what makes the 15-minute clustering rule legible to players rather than looking like lost points.

BUILT, AUDITED, THEN CUT BACK

SleepQuest was built in Lovable through a maker-checker loop: each build prompt carried requirements, data invariants and acceptance tests, and each published build was audited against real imported data before the next change. The most valuable work was subtraction — removing an entire social layer once it became clear WhatsApp was already doing that job.

8 AUG	Defined the core	A public-first WhatsApp-powered leaderboard and archive: roster of 465, one admin ZIP import, phone-first use, pixel-game identity.
9 AUG	Cut scope deliberately	Removed student login, native posting, camera capture, Web Share Target, the social layer and AI-assisted interpretation. Kept the smallest trustworthy core.
10 AUG	Audited the live build	Found three real defects: Spotter rankings empty, sampled feed posts attributed to “Unknown”, and WhatsApp contact destinations exposed in bulk in the public page markup.
13-14 AUG	Repaired the system	Specified exact sender-identity matching, canonical Spotter scoring, privacy-safe per-person redirects, complete-roster search, fraternity reconciliation, and mobile and accessibility gates.
24-25 AUG	Verified the artefact	Re-opened the hosted app: public access without login, populated Sleeper and Spotter standings, working filters, resolved feed attribution, profiles with archives, and an internal contact redirect.

THE DECISION THAT SHAPED THE PRODUCT

The first direction was a broader social app: student sign-in, in-app photo capture, captions, share-target integration. It would have added login friction, privacy risk and a second competing data pipeline — for behaviour the cohort was already performing elsewhere.

So the scope inverted: **WhatsApp stays the contribution layer; SleepQuest becomes the public scoring, discovery and recognition layer.** That single decision removed the login barrier, protected the scoring model, kept administration to one person, and concentrated the remaining build effort on correctness.

CUT ON PURPOSE

Student login

Native posting

Camera capture

Web Share Target

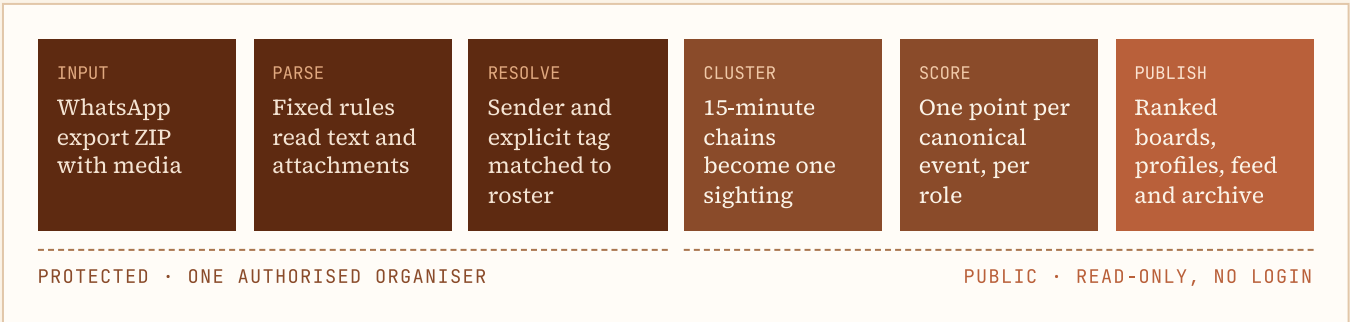
Social feed layer

AI interpretation

These were never shipped. They are recorded here as early concepts that were deliberately removed, not as features of the current app.

FROM GROUP CHAT TO A SCORE YOU CAN CHECK

One WhatsApp export enters the protected side; a public leaderboard leaves the other. Every step in between is a fixed rule, so the same export always produces the same score — and a disputed point can be traced back to the message that caused it.



SCORING RULES

- Explicit tags only.** A sleeper scores when the message carries exactly one confident roster tag. Ambiguous media stays in the feed and scores nothing.
- 15-minute chain.** Repeat photos of the same nap within a continuous chain collapse into one sighting; a bridging photo can merge two clusters.
- Canonical events, not cards.** Points attach to the sighting event, so changing how the feed is presented can never change a score.
- Spotter fairness.** One point per valid spotter per sighting. Reposts and supporting photos never multiply it.
- Competition ranking.** Equal scores share a rank — 1, 2, 2, 4 — shown in the app as “Tied #”.
- IST periods.** Week starts Monday 00:00 India Standard Time, Month on the first; All-Time never resets.

PRIVACY AND SAFETY

- No public writes.** Students cannot post, edit or delete anything; the public app is read-only.
- No AI, OCR or facial recognition.** Nobody is identified from a photograph — if a tag is missing, the sighting simply does not score.
- No contact details in public markup.** Phone numbers, emails and raw sender identifiers are not rendered; congratulate and contact actions resolve through an internal redirect only after a deliberate tap on one person.
- Reversible moderation.** Import, retry, undo and hide are admin-only, and undoing recomputes the affected rankings.
- Images handled, not republished raw.** Type and size validation, orientation correction, metadata stripping and display derivatives instead of originals.

DESIGN NOTE • The document reuses the app's own system: parchment ground, rust and antique-brown accents, pixel labels for headings and statistics, and a readable serif for everything you actually have to read.

WHAT WAS VERIFIED IN THE LIVE APP

Each row below was checked by opening the hosted application on 25 August 2026 and reading the live page it returned. This is current-state evidence about the build hosted on that date, not a claim about the app's permanent future behaviour.

CHECK	STATUS	WHAT THE LIVE APP RETURNED
Public access	PASS	The hosted URL opened and served the leaderboard with no student login.
Two-sided game	PASS	Both boards ranked live players; the Spotters board — empty in the 10 August audit — was led by 9 points.
Periods	PASS	All-Time, Month, Week and Feed are present as four labelled destinations.
Filtering	PASS	Fraternity (Amazon, Google, Meta, Netflix) and course (TBM C7, YLC C2, SMG C1, HROS C1) filters both applied.
Tie handling	PASS	Shared scores displayed as “Tied #3”, “Tied #6”, “Tied #12” — competition ranking, not an invented order.
Feed attribution	PASS	Recent cards named both sleeper and spotter and linked to their profiles; no “Unknown” attribution appeared.
Truthful scoring states	PASS	Three distinct states were visible: “Counted · +1 Spotter Point”, “Same sighting · point already counted”, and untagged feed-only photos.
Profile depth	PASS	A profile returned Caught Sleeping and Spotted Others totals, Month and Week ranks, share actions, archive and credited sightings.
Privacy design	PASS	Contact and congratulate actions pointed at internal redirect paths; no phone numbers or email addresses appeared in the public markup checked.
Separation of concerns	PASS	Administration sits behind a single sign-in entry point; no admin capability was reachable from the public pages.

VALUE DELIVERED

A running joke became a shared, checkable record. Sightings that used to scroll out of a chat now have a rank, a date and a profile; the students doing the spotting are credited as visibly as the ones asleep; and nobody had to install or join anything new.

WHAT I LEARNED

Designing around an existing behaviour beat building a new one. Auditing a published build against real data — not the prompt that produced it — is what found the empty Spotter board and the exposed contact destinations. And publishing the scoring rule made the score defensible.



OPEN THE LIVE APP

<https://sleepquestleaderboard.lovable.app/>

Please open it on a phone and try it as a student would: switch to Spotters, change the period, filter to one course, then open a profile from the feed. Every number on screen can be traced back to the sighting that produced it.