App Design
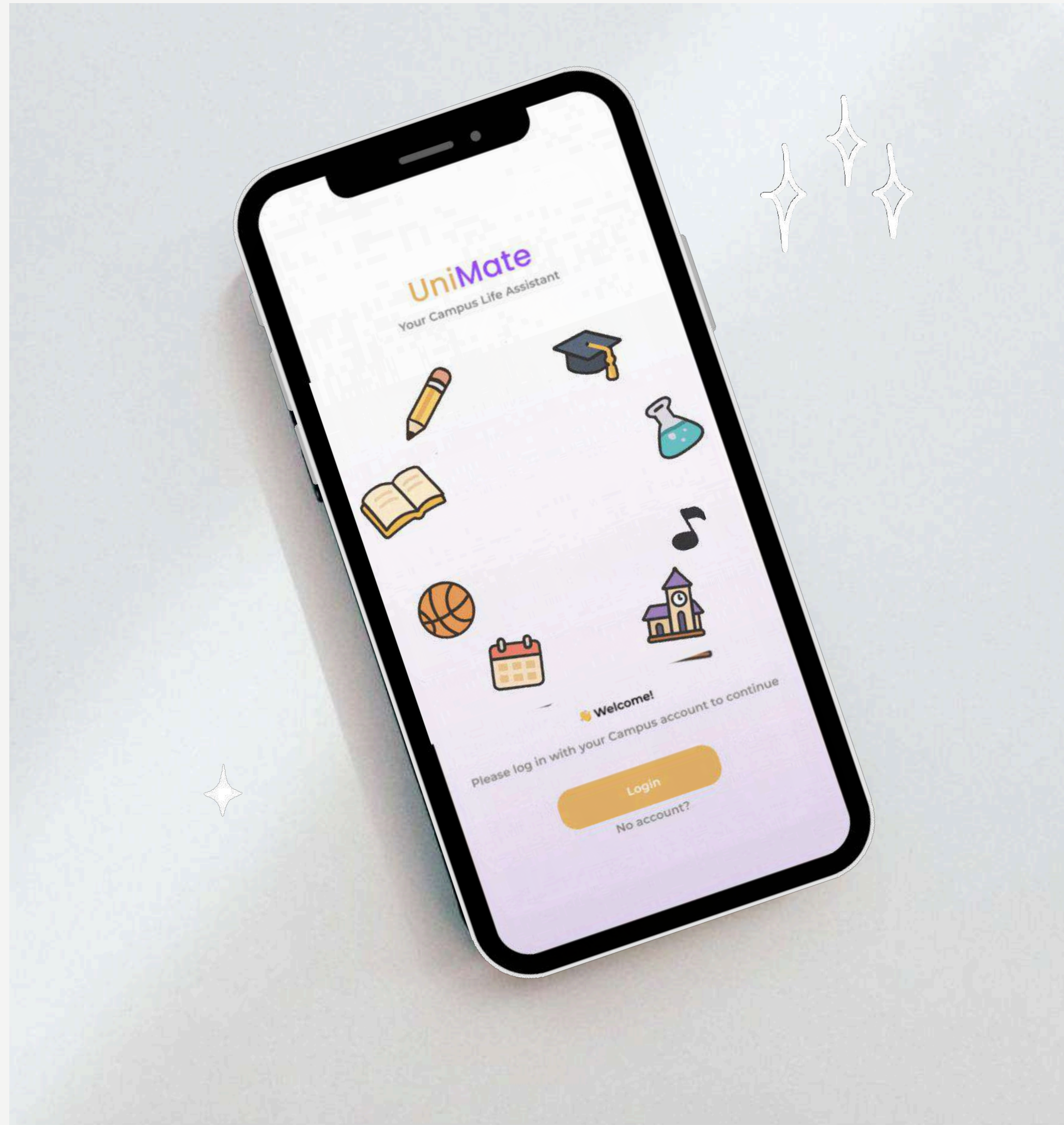
UniMate — "Campus mental wellness that meets students where they are."

"About 45% of university students struggle with stress, anxiety, or depression"
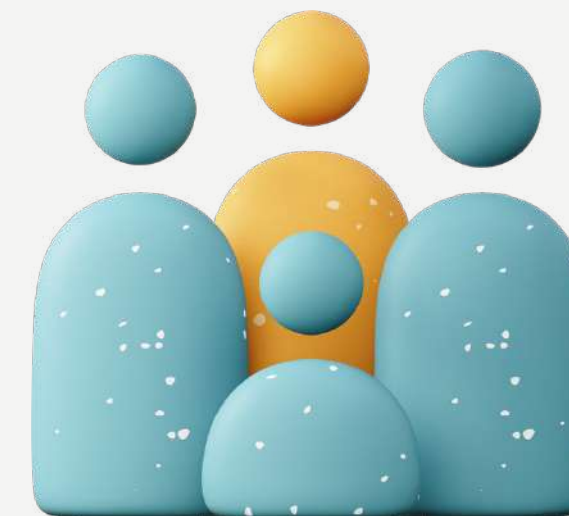
National Council for Mental Wellbeing

UniMate

Our Vision

✨ No stigma.
✨ More fun.
✨ Real support, built into everyday student life.

Problems to Address

University students face immense pressure:

1 Academic deadlines

2 Financial burdens

3 Future uncertainty

Demo Time

Team SCDS

The track we choose is Track 1: Student Lifestyle - Mental Health Support

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[Login page]

Safety and Trust
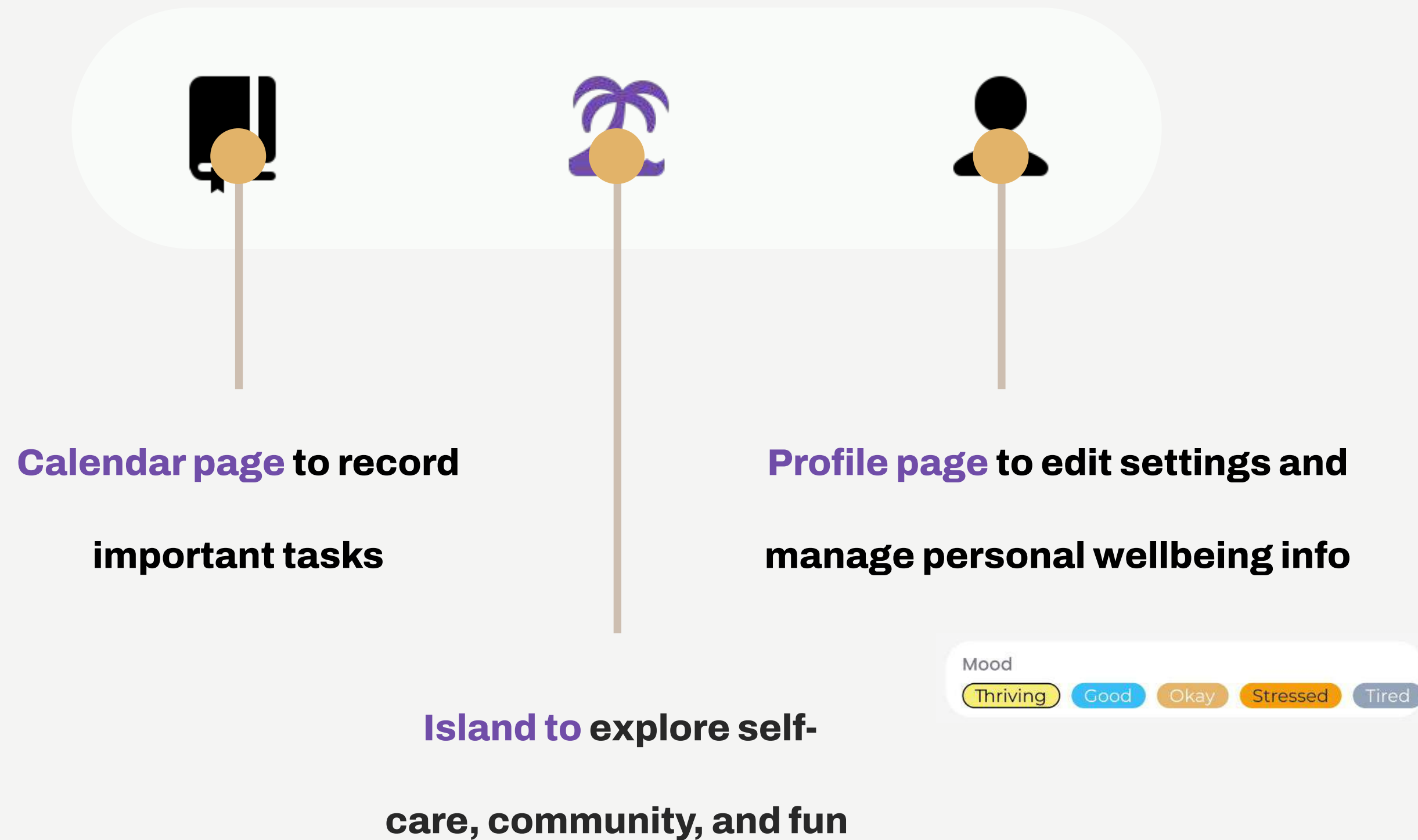
Only verified student
accounts are allowed to join

[Gamified Design]

"Island" theme

Different buildings each representing a tool for wellbeing

[Navigation Bar]

Calendar page to record

important tasks

Island to explore self-

care, community, and fun

Profile page to edit settings and

manage personal wellbeing info

Mood
Thriving | Good | Okay | Stressed | Tired

[Island - Challenge Gym]

Challenge Gym

- Bite-sized daily reset challenges

- Small wellbeing activity such as breathing, drinking water

- Completing a challenge earns tokens

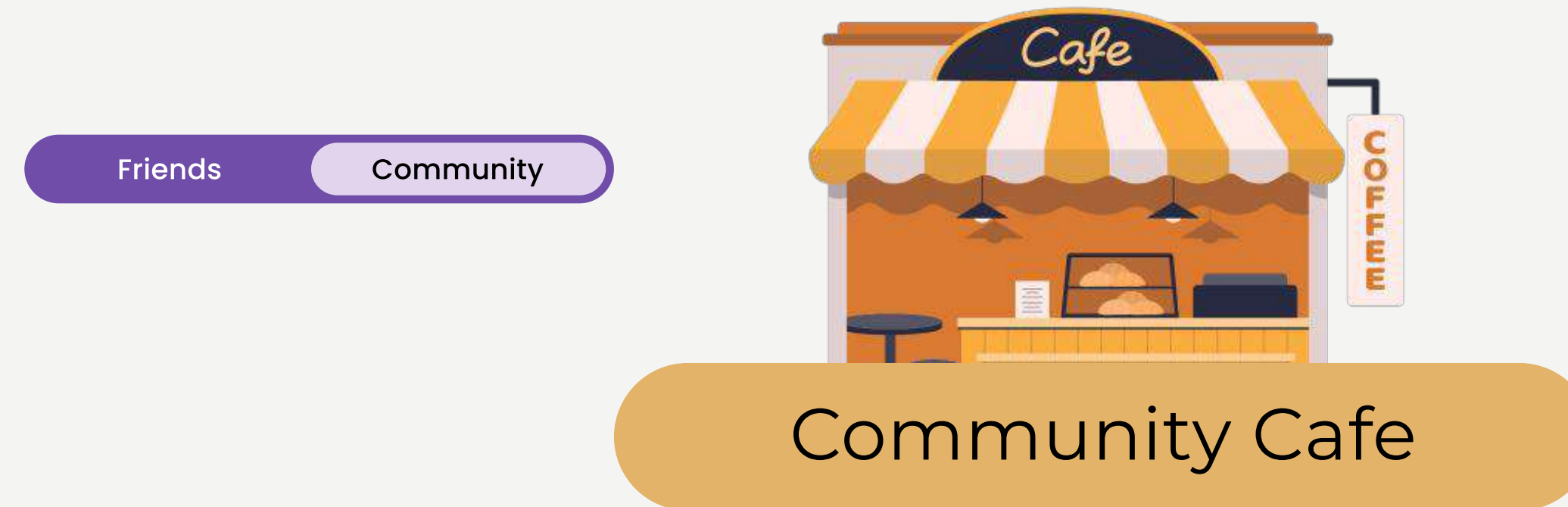UniMate

[Island - Reward Market]

Reward Market

- Earn additional coins by completing daily actions

- Exchange tokens for meaningful rewards (wellness, campus perks)

- Encourage students to return consistently and form healthy habits

UniMate

[Island - Community Cafe]

Friends   Community

Community Cafe

- Act as a mini social hub for students

- Students can see their friend streaks, their current mood

- Quick Pings with short, pre-set messages

[Island - Community Cafe]

Friends | Community

Community Cafe

- Community tab where students can connect with people

- Join related, popular communities. OR create one on your own

- Students can post any supportive or encouraging messages

[Island - Light House]

Light House

- One-Tap SOS + Live Responder Map

- Resources, Trusted Contacts & Medical Card

- Quick First-Aid Guide

[Island - Dairy Cabin]

Dairy Cabin

- Where students can pause, reflect, and capture their day

- All the entries are recorded in a mood calendar

- Brief insights are provided for students to reflect

[Island - Mediation Store]

Mediation Store

- Provides a wide range of guided meditations

- Includes calming soundscapes like forest rain, or soft music

4 UNIQUE SELLING POINTS

1ST USP
Student-first Gamified Design

UniMate uses an island interface with buildings as features. This reduces stigma, feels playful, and encourages students to come back daily, not out of obligation but curiosity and fun
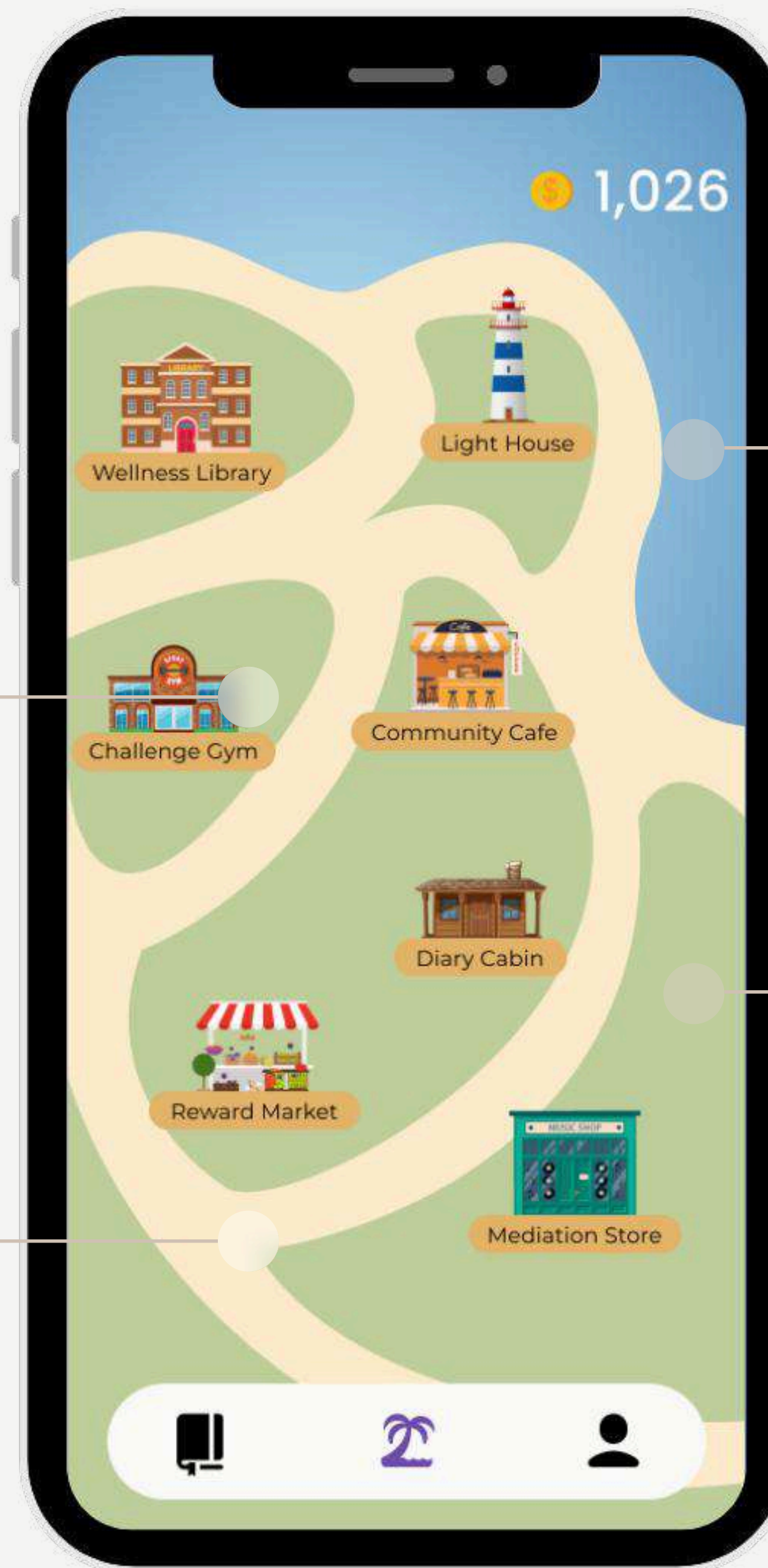
2ND USP
Off-Chain Support Token Economy

Every healthy action earns tokens. These can be redeemed for real campus perks like café vouchers, and even counselling passes. We turn self-care into tangible rewards, building a cycle of positive reinforcement

3RD USP
Complete Mental-Health Toolkit

From guided meditation and first-aid guides, to SOS safety alerts, mood journaling, and peer communities, UniMate offers a full spectrum of support in one place

4TH USP
Feelings Hub (Reflect & Connect)

Here, students can privately journal, share anonymously in Communities, and send Quick Pings to friends. Everything is moderated, safe, and stigma-free — making it easy for students to both express and receive support.

The Tech Stack

Flutter (Dart)

Riverpod, Dio, supabase_flutter, flutter_local_notifications, just_audio, url_launcher, local_auth, flutter_secure_storage.

Backend

FastAPI + Pydantic; Supabase (Postgres/Realtime/Storage/Auth).

Hosting

Supabase project + Render/Railway for FastAPI.

The Tech Stack

Flutter (Dart)

Flutter 3 + Riverpod: UI/state for calendar, coins, community, player.
Dio: HTTP to FastAPI/Supabase REST.
supabase_flutter: Auth (email/magic link), Realtime (Community feed),
Storage (media), Postgres access.
flutter_local_notifications: local schedule for medicines/bedtime/meetings.
just_audio: meditation playback (background).
url_launcher: tap-to-call campus/national hotlines.
local_auth + flutter_secure_storage: app lock + secure token storage.

Backend

FastAPI + Pydantic:
- Coins/Rewards ledger & redemptions
- Challenge cooldowns & validation
- Rule-based care suggestions (from schedules/journal patterns)
- Moderation flags (mark-for-review)

Supabase:
- Postgres: users, events, reminders, journal, posts, coins_ledger, rewards, redemptions, hotlines.
- Realtime: Community feed/likes.
- Storage: audio files, optional covers.
- Auth: tokens verified by FastAPI; no custom JWT.

Hosting

Supabase project (DB/Realtime/Storage/Auth).
Render/Railway for FastAPI (containerized).

Thank you