Lunar

A8: Med-Fi Prototyping ReadMe

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Link: https://github.com/christinaba24/lunar

I. Purpose/Use Cases

Purpose:
Lunar is a dedicated platform for night-shift workers to foster connection, share knowledge, and access resources. It aims to alleviate the isolation and challenges unique to working unconventional hours by creating a vibrant, supportive community tailored to their lifestyle.

Use Cases

1. **Sharing Tips for Night-Shift Optimization**:
    - Members can exchange practical advice on managing sleep, staying productive, and maintaining health while working overnight.
        i. Examples: Tips on blackout curtains, caffeine management, and meal prepping for odd hours.
2. **Building a Social Network of Night-Shift Workers**:
    - Offers a sense of camaraderie by connecting individuals who understand the unique struggles and small wins of night-shift work.
        i. Examples: A comment feature to discuss common challenges or form friendships with peers in similar industries.
3. **Reminders for Night-Shift Wellness**:
    - Built-in reminders help users schedule, remind, and track their upcoming appointments

        i. Example: Scheduling a reminder for a doctor's appointment coming up next weekend
4. **Joining Support Groups**:
    - Users can participate in topic-specific support groups that focus on emotional and professional well-being.
        i. Example: Joining specific support groups such as "Night Shift Nurses" or "Parents"
5. **Exploring Other Groups and Interests**:
    - Beyond professional advice, users can connect over shared hobbies and interests, forming bonds that extend outside of work-related discussions
        - Examples: A group for night-shift fitness enthusiasts

II. Tools Used

To build our prototype, we used the Expo framework with React Native. Our visuals were imported from our original Figma design, with some icons from FontsAwesome and MaterialCommunityIcons. We coded in Typescript and Javascript and imported some Expo libraries for functionality (Router, for example). For backend data management, we used Supabase.

III. Operating instructions, including installation requirements

Download the Expo Go app, and login/create an account. Scan this QR code using your mobile device and download the application in Expo Go.

IV. Implementation Limitations

- Only two profile images are possible, one for the user's real name and one if the user posts anonymously.
- Only one group page is implemented (the Night Nurses one), every group card will route to that group page.
- Dynamic highlighting to add to reminders is not implemented.

- Pinned posts cannot be unpinned.
- Thumbnail image on Collections page is hardcoded

V. Wizard of Oz features

- The groups that show up on the home screen is Wizard of Oz'ed: The database saves all information (posts, likes, comments, reminders, collections) except for user onboarding information. The app experience is hard coded for one user's user_id, so choosing interests/groups in the onboarding experience does not affect what loads in the home screen.

VI. Hard-coded features

- Some posts' like counts are hard-coded on the Supabase to ensure correct ordering in Trending posts feed.
- Selection of highlighted events/locations to set a reminder to is hardcoded, so only one highlighted portion can be selected, where in reality AI would detect it.
- Calendar integration and "add event" popup (from reminders tab) is hardcoded due to difficulties with Expo Calendar frontend display.