Technical Requirements – Missed Messages

Challenge is accessible on Memberspot: https://pl-coding.mymemberspot.io/library/ jx3b7Qik9ip5qpNI8IF2/JvkX6luGnKXnd8tkr5WR/yaY9JiwWsOIDOJwK3Ucr/details

🎭 Scenario

This mini-challenge focuses on building a simple notification settings screen for a hypothetical messenger app that clearly shows whether system notifications are enabled and explains when messages may be missed due to system-level settings rather than an app issue.

🎨 Figma Mockups

https://www.figma.com/design/V89HDDOUngkPG558FrZoNm/ February-Moments?node-id=5-163
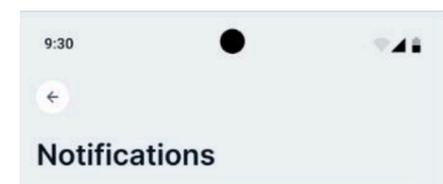
🔤 Font - Inter

🎯 Feature Goal

The goal of this challenge is to correctly detect the system notification permission state and automatically update the UI when that state changes, including navigation to system notification settings.

📌 Requirements

Top Bar

- Positioned at the top of the screen.
- Contains:
  - a Back button
  - the screen title "Notifications"
- The Back button is purely decorative and has no functional behavior.

Notification Status Block

The Notification Status Block is the central element of the screen and reflects the current system notification state for the app.
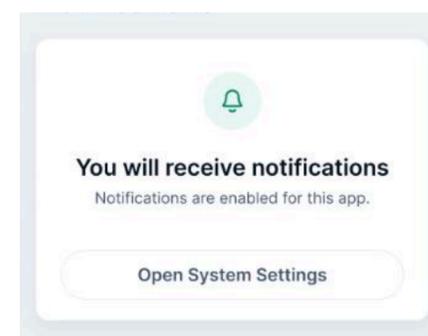
The block includes:

- a notification-related icon
- a primary status text
- a short explanatory text
- an action button

Visual styling, icons, and color accents should be based on the Figma mockups.
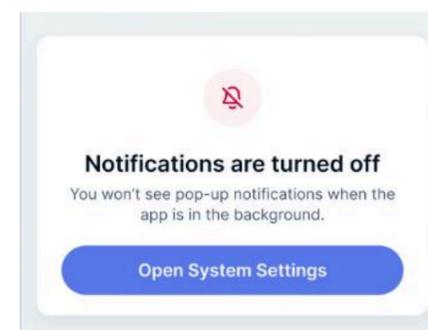
Notifications Enabled State

- Displayed when:
  - system notifications for the app are **enabled**
- The Notification Status Block shows:
  - Icon: active notification symbol
  - Primary text: *"You will receive notifications"*
  - Secondary text: *"Notifications are enabled for this app."*

Notifications Disabled State

- Displayed when:
  - system notifications for the app are **disabled**
- The Notification Status Block shows:
  - Icon: disabled or crossed notification symbol
  - Primary text: *"Notifications are turned off"*
  - Secondary text: *"You won't see pop-up notifications when the app is in the background."*

Action Button

- The screen contains a single action button labeled: *"Open System Settings"*
- Button appearance depends on the current state:
  - Notifications **Enabled**: displayed as a **secondary / neutral action**
  - Notifications **Disabled**: displayed as a **primary action**
- Pressing the button opens the **system notification settings** screen for this app, where the user can enable or disable notifications manually.

State Updates

- Notification permission state must be detected using Android system APIs.
- After returning from system settings:
  - the notification state must be re-checked
  - the UI must update automatically to reflect the current state

🤔 What's Allowed?

- Standard Android/Jetpack libraries
- No 3rd party libraries are allowed or would be required to complete this challenge
- Using standard Android APIs to detect notification permission state.

⚠️ What's not important

- Responsiveness across every device size or orientation is not mandatory.
- Light / Dark mode.
- Handling edge cases beyond basic notification enabled/disabled states.
- Complex animations or visual effects.

🔗 Useful Links for This Challenge

- [Notification runtime permission](#)
- [About notifications](#)
- [Create deep links](#)
- [Side-effects in Compose](#)
- [Stateful vs. Stateless Composables](#)
- [State Hoisting in Compose](#)
- [Managing State in Jetpack Compose (Codelab)](#)

🏆 Submission & Rewards

- Successfully submitting this challenge via the **/submit-challenge** command on Discord grants you **100 XP**.
- Your submission must include:

  a. A **Gist link** with your implementation.

  b. A **screen recording** (max 20 seconds) showing:
  - Opening the app with notifications enabled.
  - Tapping Open System Settings and opening the app's notification settings.
  - Disabling notifications at the system level.
  - Returning to the app and seeing the UI update to Notifications Disabled.
  - Opening system settings again from the disabled state.
  - Re-enabling notifications.
  - Returning to the app and seeing the UI update back to Notifications Enabled.