

NoteMark Milestone #3 Requirements

This requirements document explains **NoteMark's Milestone #3** requirements. For each milestone, a new requirements document and an updated Figma file will be created. You can find all current milestones in the members area.

The mockups show the exact look and colors of a specific UI element. The app has a single theme, but no light or dark theme.

Note that this serves to give you an overall impression of what the app should be able to do. Feel free to decide how you implement specific things (e.g., how you display a specific loading progress or how you specify error messages).

You can find the mockups for **NoteMark** here:

<https://www.figma.com/design/3eLOJSbYh6HVwIYVcqR5YE/NoteMark?node-id=9496-3694>

Milestone #3 Goal

Modes Unlocked: Make NoteMark easier to read, write, and customize.

In this milestone, we make NoteMark better by completing the **Note Detail Screen**. Users will be able to switch between three modes: **Edit, View, and Reader** (for distraction-free reading). We will also add a **Settings Screen**, where users can change app options and make NoteMark fit their needs. The goal is to let users move easily between writing and reading, and to give them more control over how the app works.

Icons

All icons for the app can be Material design icons or taken from the mockups as SVG (in case an equivalent Material icon doesn't exist).

Adaptive Layouts

All screens must look good and work well on phones and tablets, in both portrait and landscape. All UI requirements apply to each device, and unique differences will be explicitly mentioned.

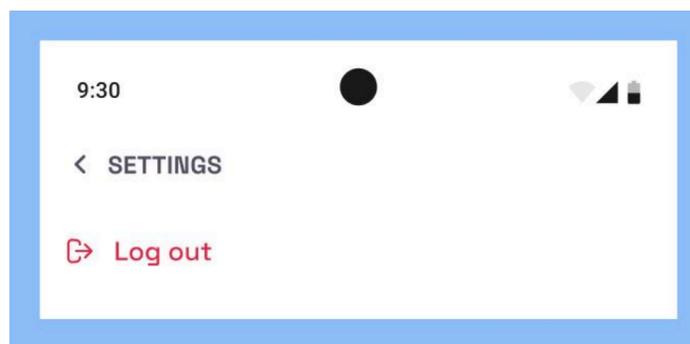
Technical Requirements

▼ Note List Screen (updated from Milestone #2)



- Add a new icon to the toolbar
- When tapped, navigate to the Settings Screen

▼ Settings Screen



- Contains a title text: “Settings” with a back chevron icon
- On back chevron tap, navigate pop this screen from the backstack
- Settings item #1
 - Custom icon with text: “Log out”
 - Text and icon are in red
 - On tap, immediately log user out
 - Logging a user out means:
 - Clearing the local database of all the user’s notes
 - Clearing any session tokens (usually saved in shared preferences or data store)
 - Call the logout API endpoint
 - With all that complete, clear the app’s backstack and take the user back to the Login Screen

Logout

Endpoint: `/api/auth/logout`

Method: POST

Description: Log out by invalidating the provided refresh token.

Request body:

```
{
  "refreshToken": "<token>"
}
```

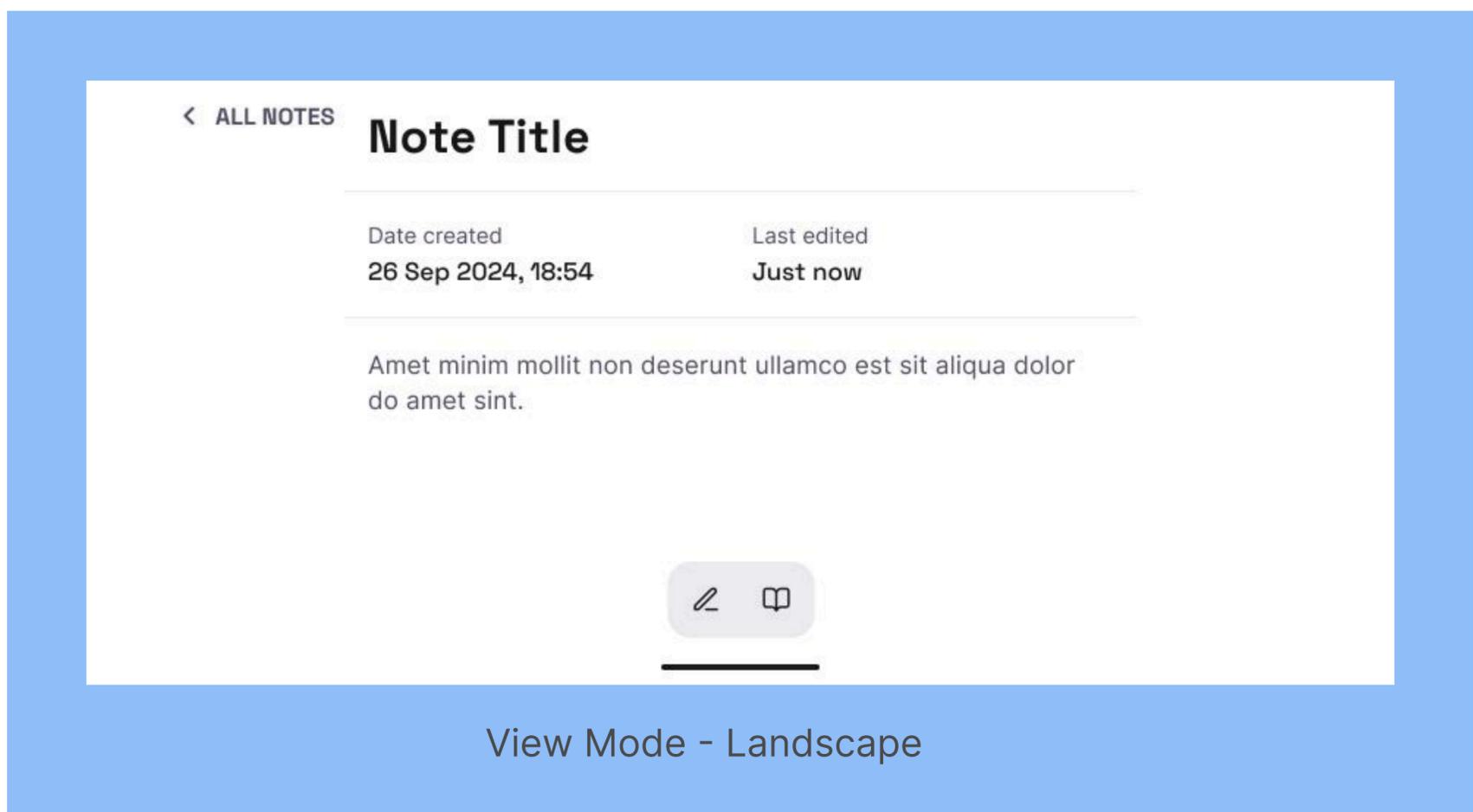
Successful logout response: status code 200 with no body.

▼ Note Detail Screen (updated from Milestone #2)

This screen will now consist of three (3) different states. We've already implemented one of the states in Milestone #2: **Edit Mode**. An extended FAB is introduced to help toggle between each mode and show the user which mode they are currently in.

- **View Mode**

- This is the default state when the user navigates to the Note Detail Screen
- At the top is the back chevron icon and the title "All Notes"
 - Tapping the chevron icon should pop the Note Detail screen from the backstack
- In landscape mode, the icon and title are placed to the left of the main content of the screen.

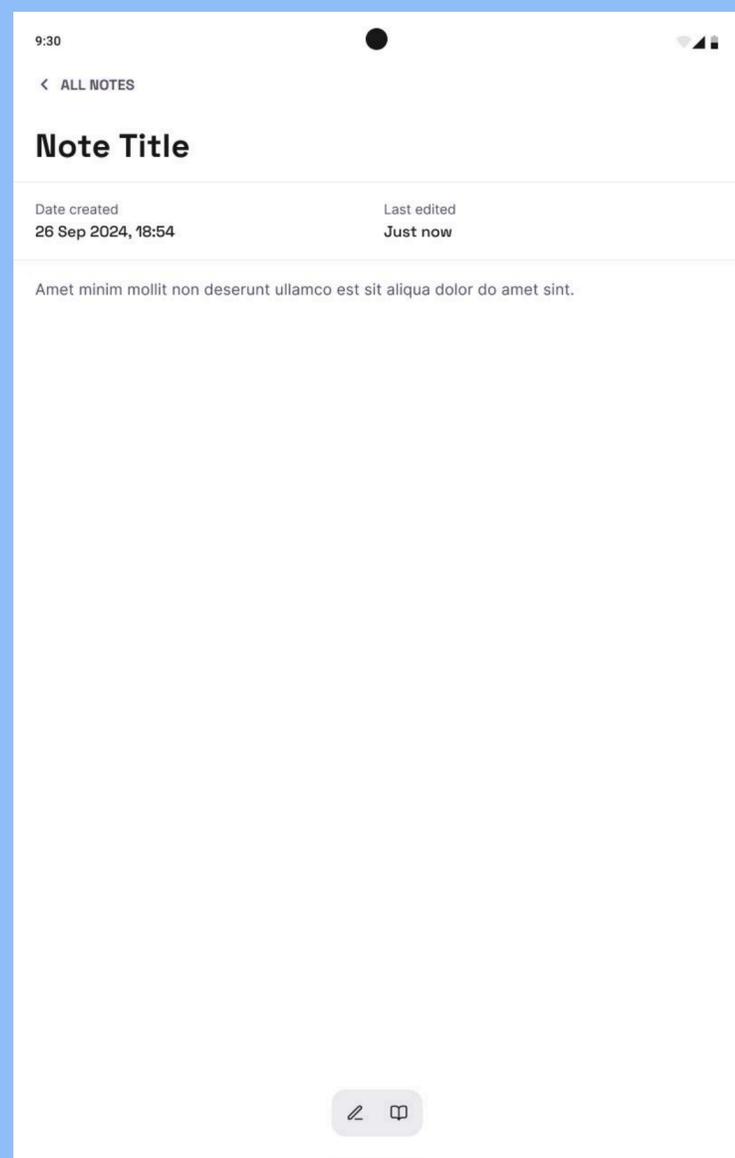


- Note Metadata
 - Located below the note title
 - Text content has a horizontal divider at the top and bottom
 - Note meta data content is organised in a row
 - "Date created" with the date the note was created
 - "Last edited" with the date the note was last edited
 - The date is formatted as: `dd MMM yyyy, HH:mm`

- **dd** - Day of month (2 digits, with leading zero if needed)
- **MMM** - Short month name (Jan, Feb, Mar)
- **yyyy** - 4-digit year
- **HH** - Hour in 24-hour format (00-23)
- **mm** - Minute (00-59)
- If either date is less than 5 minutes ago, replace the date with the text: "Just now"
- Neither date values need to update in real-time
- Below note metadata content is the note content text
- None of the text is editable in this mode
- Extended FAB is visible at the bottom center of the screen
 - Contains two icon buttons. Each can switch the screen into a different mode
 - Pencil icon - on tap, switch to Edit Mode
 - Book icon - on tap, switch to Reader Mode



View Mode - Portrait



View Mode - Tablet

- **Reader Mode**

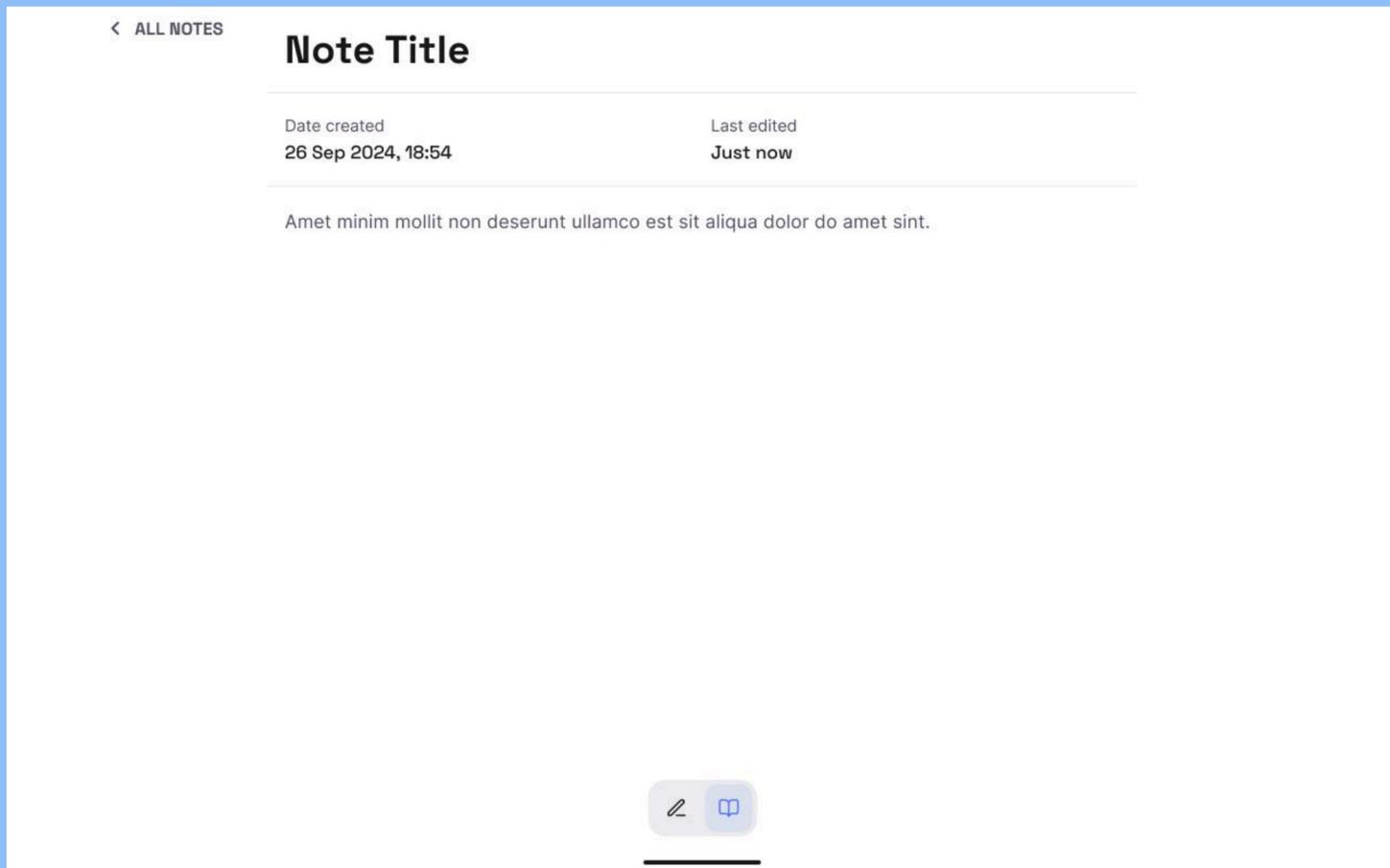
- To enter this mode, tap the Book icon in the Extended FAB
- On mobile devices (sw < 600 dp) programmatically set the orientation to landscape

💡 You can programmatically change the device orientation! Checkout the `Activity's requestedOrientation` property.

- Once the user enters Reader Mode, the following should happen:
 - **Highlight the book icon:** The book icon in the Extended FAB becomes visually highlighted to indicate Reader Mode is active.
 - **Fade Out Additional UI Elements:** The following elements should gradually fade out and become invisible:
 - The back icon chevron with “All Notes” title
 - The Extended FAB
 - **Show Additional UI Elements on Tap:** Tapping anywhere on the screen should bring the additional UI elements back with a fade-in animation.
 - **Auto-Hide Behavior:** Once visible, the additional UI elements should automatically fade out again when:
 - **5 seconds** have passed since user tapped screen to make them visible
 - The user **starts scrolling** the note content (only applicable if the content is scrollable on the device).
 - The user **taps anywhere** on the screen during visibility.
 - **Note:** If the user taps while the UI elements are visible, it should immediately hide them and cancel any ongoing timer for auto-hiding after 5 seconds.
 - Tapping the back chevron icon and “All Notes” title pops the Note Detail screen from the backstack
 - Tapping the highlighted book icon will exit Reader Mode and enter View Mode

💡 Remember to reset the requested orientation! Also, don't mistakenly set it fixed to Portrait mode either 😂

- Tapping the pencil icon switches to Edit Mod



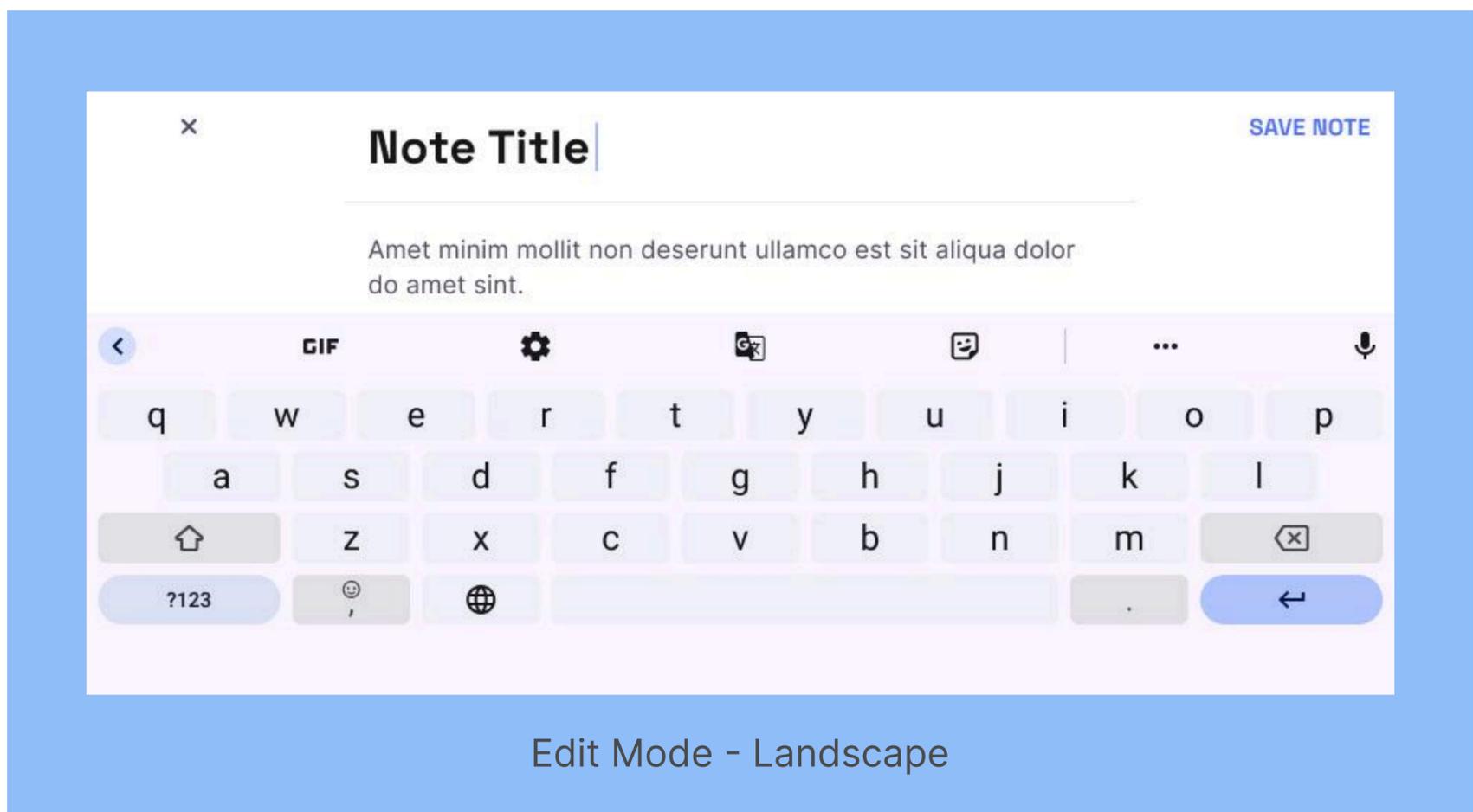
Reader Mode (Additional UI elements visible) - Tablet

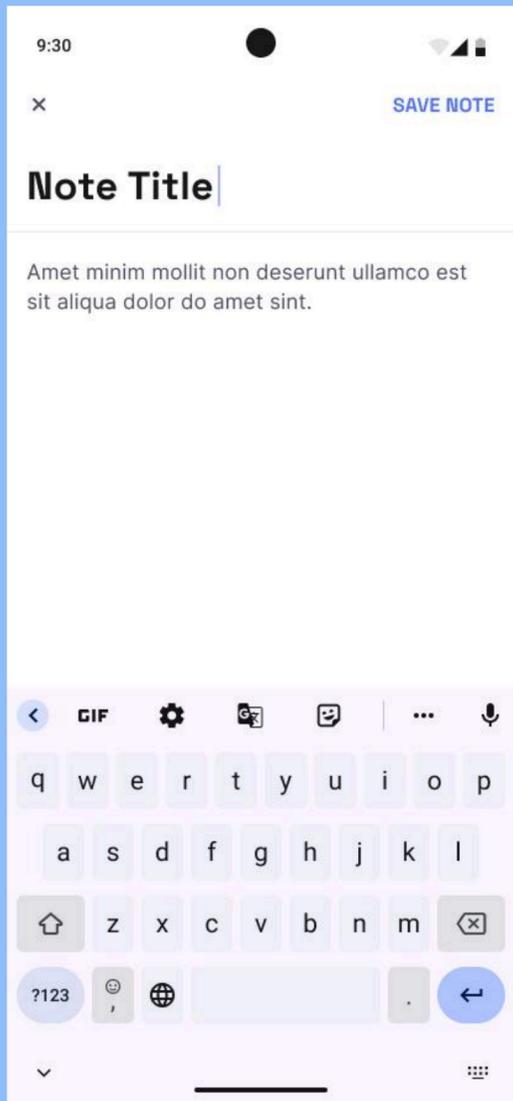


Reader Mode (Additional UI elements hidden) - Phone

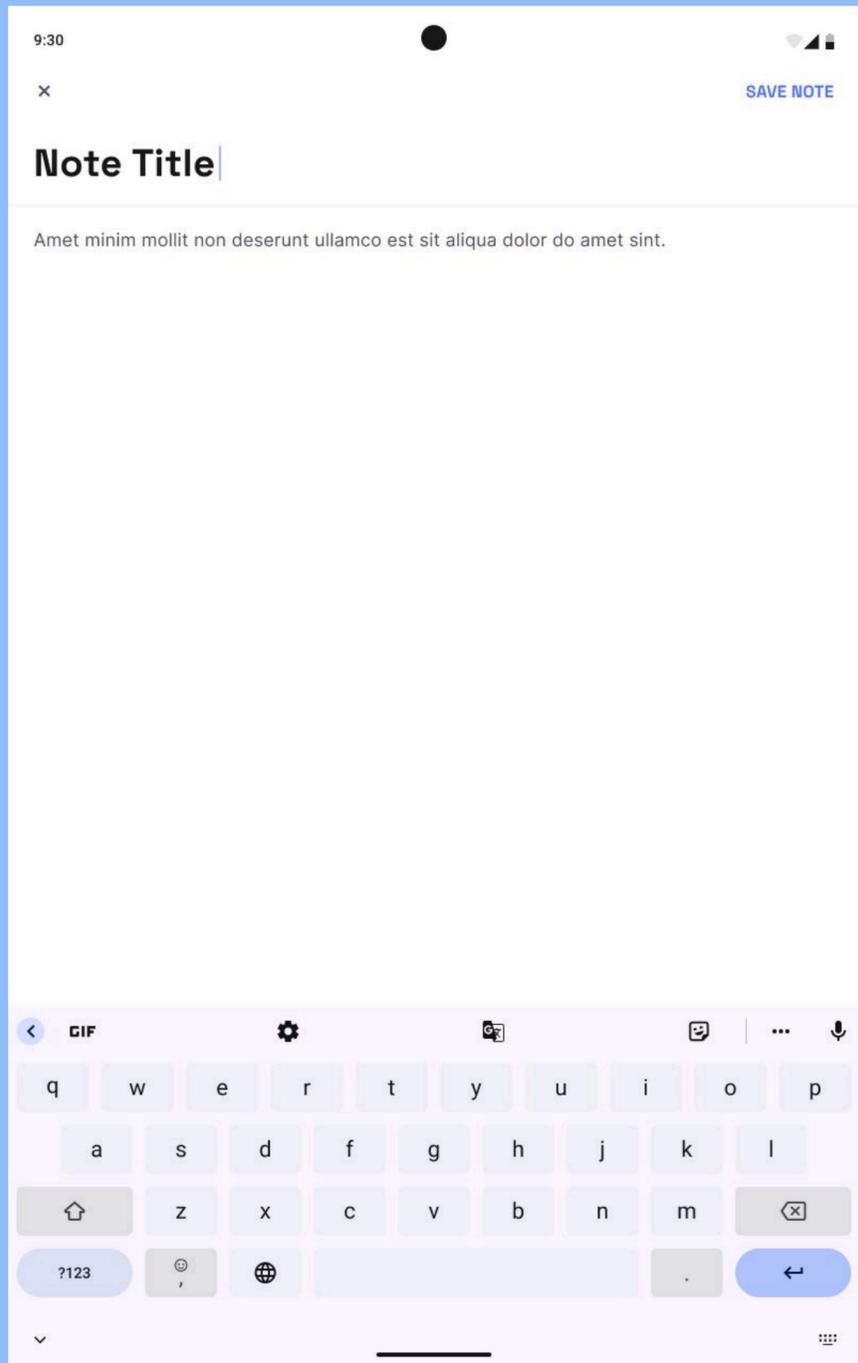
- **Edit Mode (updated from Milestone #2)**
 - Replace the back chevron and title text with an “x” icon
 - On “x” tap:
 - If the title or note content is different from the original note then show a confirmation dialog
 - Title: “Discard Changes?”

- Body: “You have unsaved changes. If you discard now, all changes will be lost.”
- Confirmation button: “Discard”
- Cancel button: “Keep Editing”
- On confirm button tap, do not save the note and switch to View Mode
- If no changes to the note was made, switch to View Mode
- “Save Note” text at top right corner of screen
- On tap:
 - Update the note with the edits made by the user and switch to View Mode
 - Once the note has been saved, switch to View Mode
 - User should now see the updated note with the “Last Edited” value set to “Just now”
- Hide the Extended FAB





Edit Mode - Portrait



Edit Mode - Tablet