

# Requirements for EchoJournal

This requirements document is used to explain the main functionality behind EchoJournal.

The exact looks and colors of a specific UI element can be seen on the mockups. 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 EchoJournal here:

<https://www.figma.com/design/Mrdck7icWtTM1fysRgAmao/EchoJournal?node-id=35-588&t=9BpXc0c3NB1JQ7RC-1>

Furthermore, you can download the FIG file for local editing here:

[EchoJournal.fig](#)

## The App Idea

EchoJournal is a colorful audio journaling app. Its aim is to help users to quickly log their thoughts and mood throughout the day by recording voice memos.

## App Variants

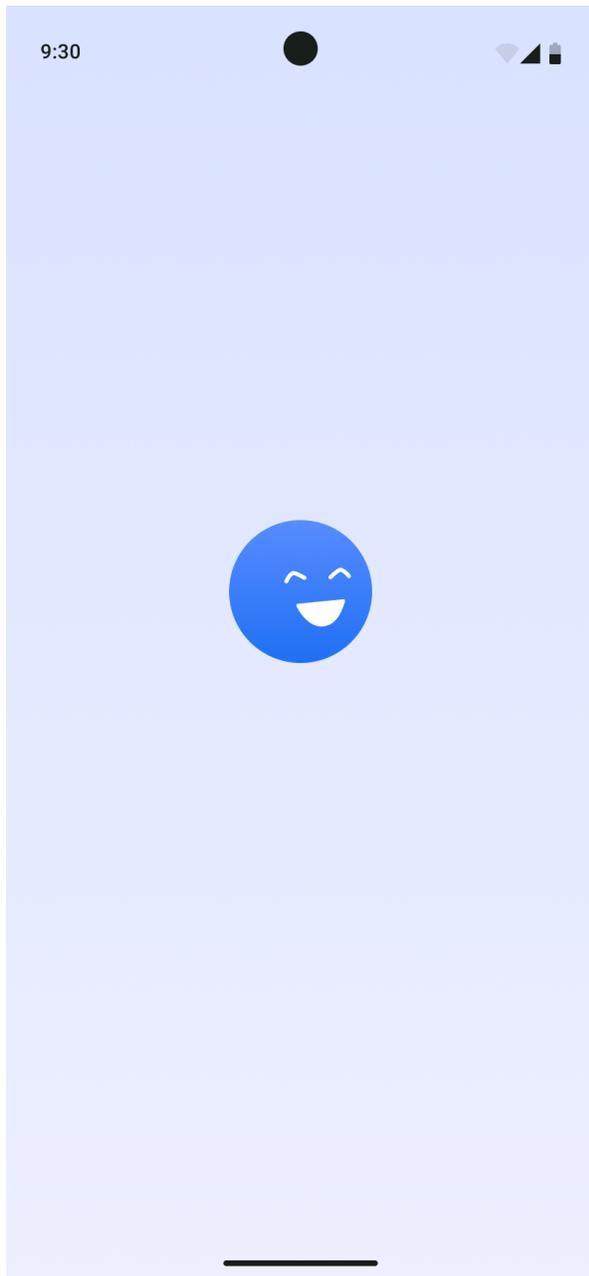
The mockups include two app variants: MVP and an extended version. The extended version-specific requirements are written in **orange**. Depending on your available time, you can build either variant. **Green** requirements add usability, but are completely optional and won't be considered for the challenge submissions.

## Icons

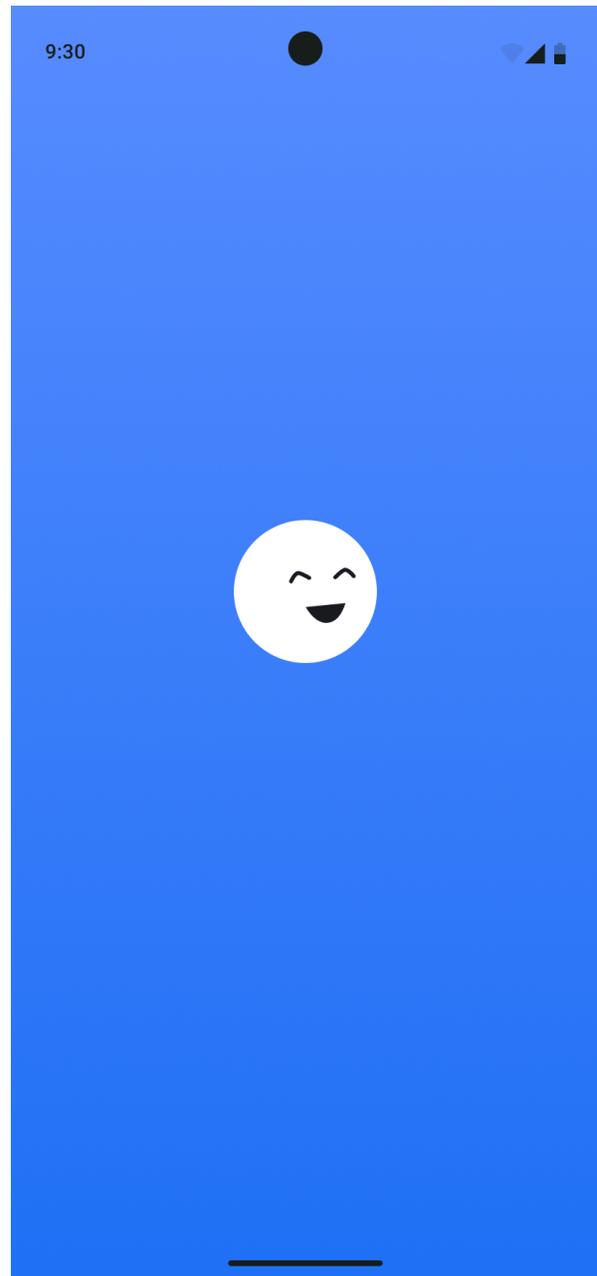
All icons for the app can be Material design icons or taken from the mockups as SVG (in case an equivalent Material icon doesn't exist)

## Splash Screen

- Fix icon in the center of the screen
- Feel free to pick either of these two variants



Light variant



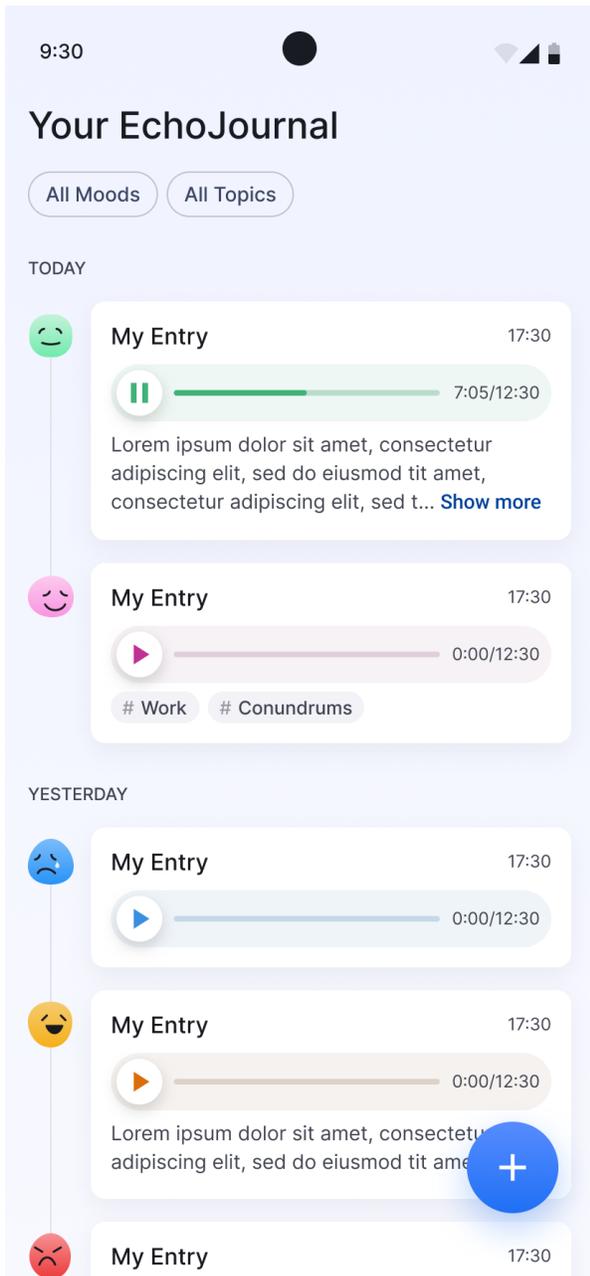
Bright variant

## Journal History Screen

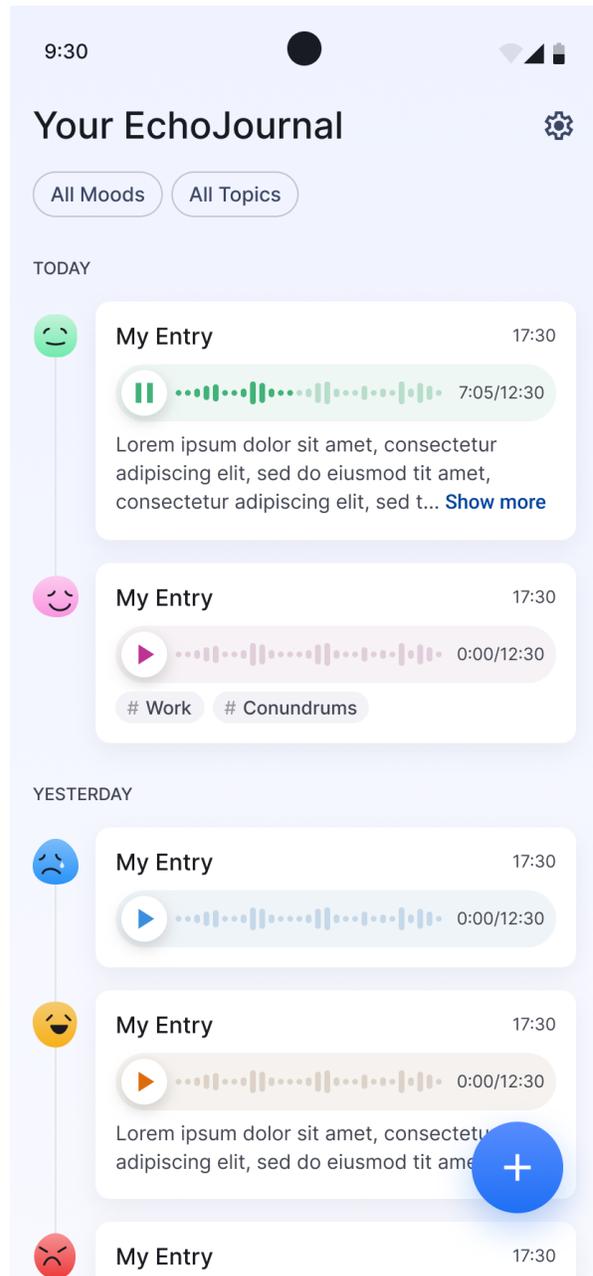
- Display all audio log entries that match the set filter
- Possible filters are by mood and topic

- If a topic filter is set for more than 2 topics, the filter chip should show the first two selected texts followed by a count how many are left, e.g. "Family, Love +2" when 4 topics are selected. These should be sorted alphabetically.
- Log entries should be grouped by day
  - Entries from today should have the header "Today"
  - Entries from yesterday should have the header "Yesterday"
  - Entries from  $\geq 2$  days ago should display the date in a format like "Saturday, Dec 28"
- If a log entry has a description, the first 3 lines should be shown by default
  - If a description exceeds that line count, it should be truncated with "..." and display a "Show more" text
  - Clicking on that show more text reveals the entire description for that log entry
- The audio bar's color is set based on the mood set for that voice memo
  - **Red** = Stressed
  - **Blue** = Sad
  - **Green** = Neutral
  - **Pink** = Peaceful
  - **Orange** = Excited
- It's up to you how you format the time for an audio log. Valid options are either "17:45" or "5:45pm".
- Both the mood and topic drop down menus are dismissed when tapping outside, but not when selecting a value, since multiple values can be selected.
- If a voice memo's play button is pressed, possible playback for other memos should stop and the new memo should start playing.
- **The audio level of the voice memos should show the audio amplitude at a given time.**

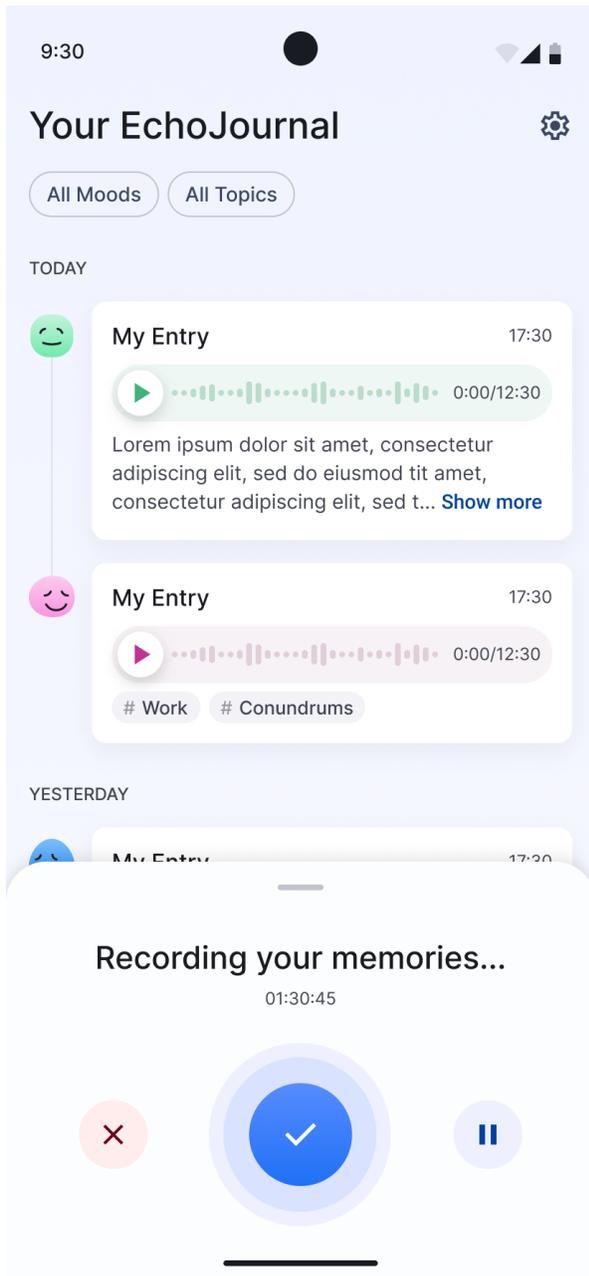
- Clicking on one of the topic chips from an audio log entry should automatically filter for all audio logs of that topic.
- Pressing the Floating Action Button will open a bottom sheet to record a new log and automatically start recording
  - If the RECORD\_AUDIO permission has not been granted yet, the app should ask for it at this point of time before starting to record
  - While the app is recording, the prominent blue button should show a checkmark which will lead to the Create Record screen when clicked.
  - The pause button will pause the recording which can be resumed by pressing the big blue record button.
  - Pressing the X button will cancel the recording and close the sheet.
- An alternative way to start recording a quick note is by holding down the floating action button similar to how WhatsApp does it
  - Dragging the button to the left will cancel such an ongoing recording
  - The position of the button should remain static when dragging, but the delete button that will appear next to it should scale up by 50% when leaving the finger would cancel the recording.
  - In the moment the user drags the button enough so that leaving the finger would cancel the recording the phone should provide haptic feedback by vibrating very shortly.
- Pressing the settings icon button in the toolbar opens the settings screen.



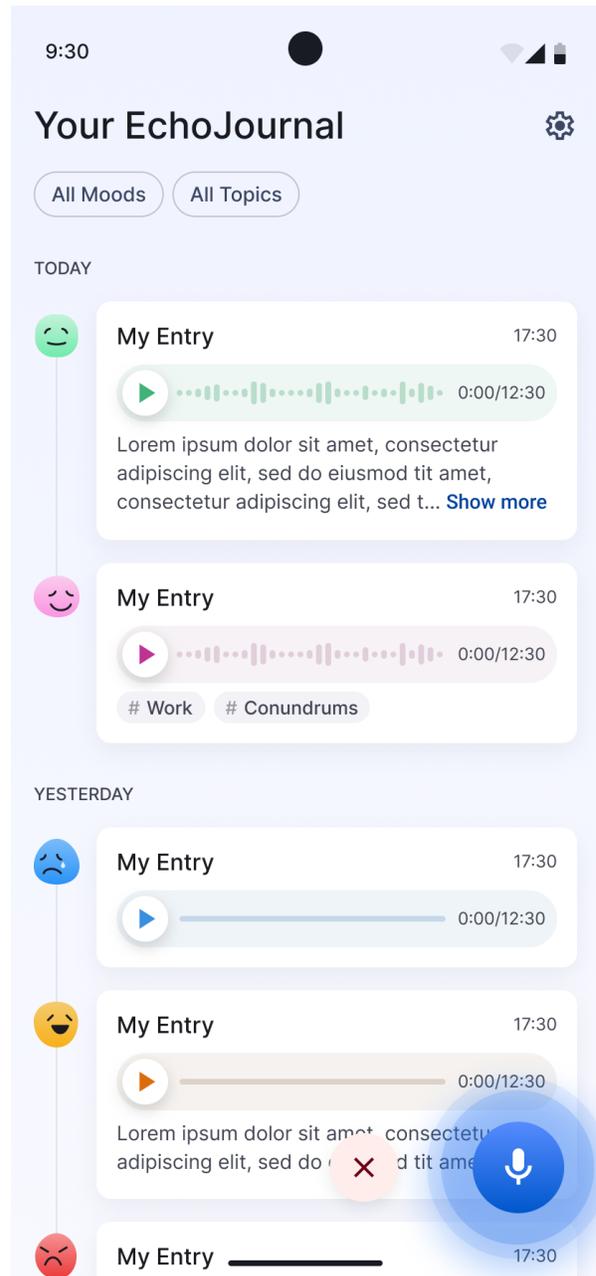
MVP variant



Extended variant



Recording bottom sheet - both variants



Record by holding down recording button - extended variant

## Create Record Screen

- This screen is opened as a result of finishing a voice memo.

- The add button left of the title opens a bottom sheet to select a mood for that memo.
- Mood and title are mandatory fields, topics and description optional.
- Tapping on the topic row lets the user enter a topic name for which the search results will show up in a drop down.
  - Unless the typed topic already exists, the last option in that drop down should always be a button to create it.
- The save button should only be clickable if all mandatory fields have been filled out.
  - Clicking it will save the audio log and lead the user back to the Journal History screen.
- Navigating back in any way (via back button in the toolbar or via system button/gesture) should show a dialog to confirm that the audio memo should be dropped.
- Transcribe to AI feature
  - Optionally, you can show the AI button next to the audio bar (only added to the extended designs) which will transcribe the voice memo with AI and place the result in the description field.

9:30



New Entry



My Entry



# # Work × # Love ×

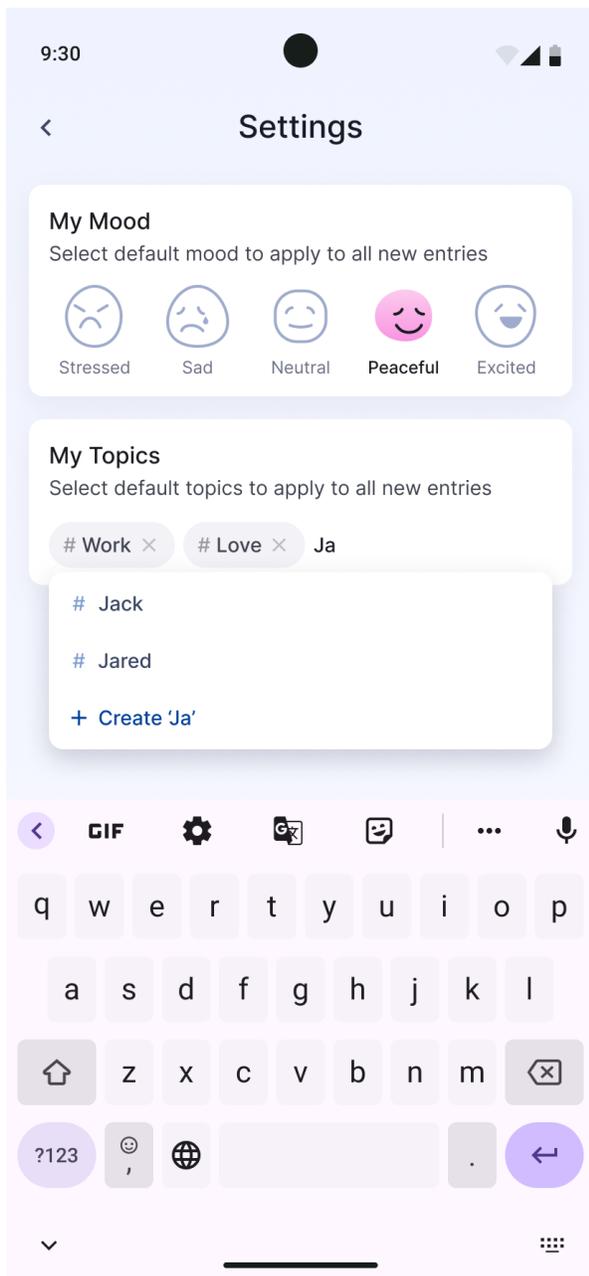
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Cancel

Save

## Settings Screen

- Select default mood that will be preset for all new log entries.
- Select default topics that will be applied to all new log entries.



## Home Screen Widget

- Let the user add a home screen widget that opens the app and automatically triggers a new audio recording when clicked.

