TherapyAI User Guide

1. Introduction

Welcome to TherapyAI! This application is designed to assist both therapists and patients in managing and documenting therapy sessions. It leverages technology to streamline workflows, provide insights, and enhance the therapeutic process.

This guide will walk you through the features available, catering to both user roles:

- **Therapist:** Manage session templates (Cards), conduct sessions (audio recording), take notes, review AI-processed summaries and transcripts, manage patient data, and track session history.
- **Patient:** Generate secure QR codes for session check-in, view session history, and manage account settings.

2. Getting Started

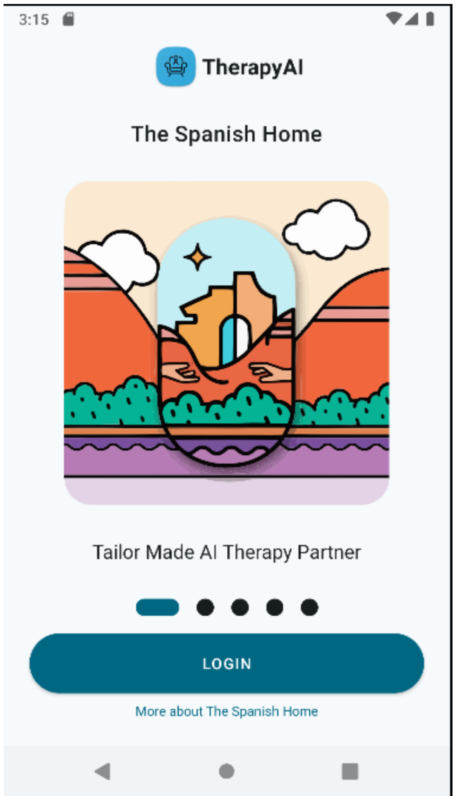
2.1. Splash Screen

Upon launching the app, you'll see a brief splash screen displaying the TherapyAI logo and name while the application initializes in the background.

The app will automatically attempt to log you in if you have previously logged in successfully and your session is still valid.

2.2. Welcome Screen

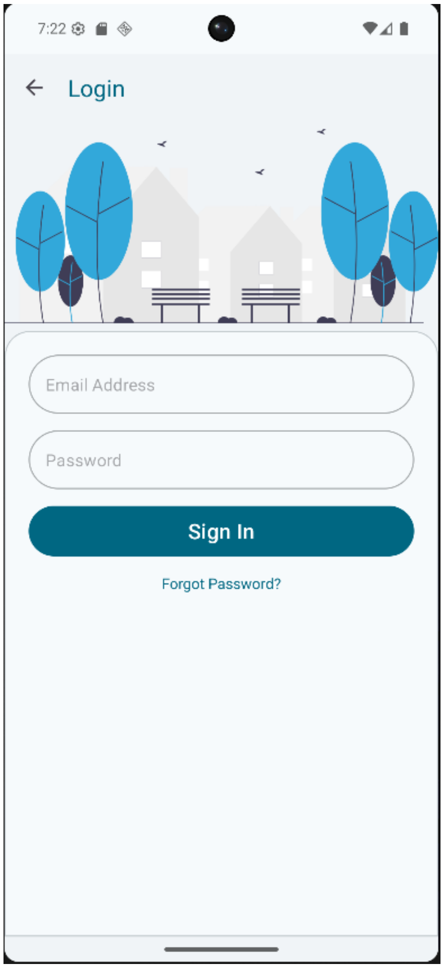
If you are not automatically logged in, you will be directed to the Welcome Screen. This screen provides a brief overview of the app's key benefits through a sliding carousel.

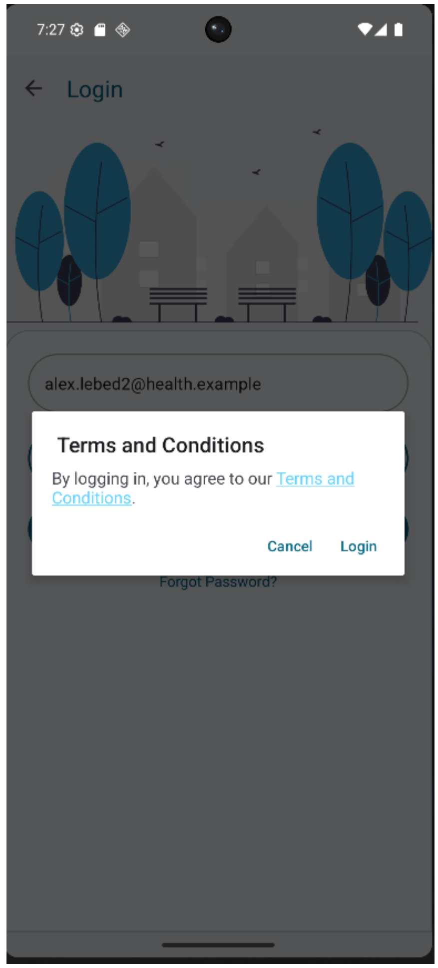


- **Stats Carousel:** Swipe left or right to view different features and benefits of TherapyAI. Dots below the carousel indicate your position.
- **Login Button:** Tap this button to proceed to the Login screen.
- **More About:** A link (e.g., "More about The Spanish Home"), opening an external website in your browser.

2.3. Login

To access your account, you need to log in.





1. **Enter Email:** Type your registered email address into the "Email" field.
2. **Enter Password:** Type your password into the "Password" field.
3. **Tap Login:** Press the "Login" button.
4. **Terms & Conditions:** A dialog box will appear asking you to agree to the Terms and Conditions.
    - Tap on the "Terms and Conditions" link within the dialog to view the full terms in a separate screen.
    - Tap "Login" in the dialog to agree and proceed with authentication.
    - Tap "Cancel" to close the dialog without logging in.

5. **Authentication:** After agreeing to the terms, the app requires you to authenticate yourself using your device's security features for enhanced security.
    - **Biometrics (Fingerprint/Face):** If enabled on your device, you'll be prompted to use your fingerprint or face recognition.
    - **Device Credentials (PIN/Pattern/Password):** If biometrics are unavailable or not set up, you'll be prompted to enter your device's lock screen PIN, pattern, or password.
    - *Note:* If you haven't set up a secure lock screen on your device, you will be prompted to do so via your device settings before you can log in.
6. **Login Process:** Once authenticated, the app will verify your email and password with the server. A progress bar indicates that the login is in progress.
    - **Success:** If successful, you will be navigated to the main application screen.
    - **Error:** If login fails (e.g., incorrect password), an error message will be displayed (e.g., "Login error: Invalid credentials").

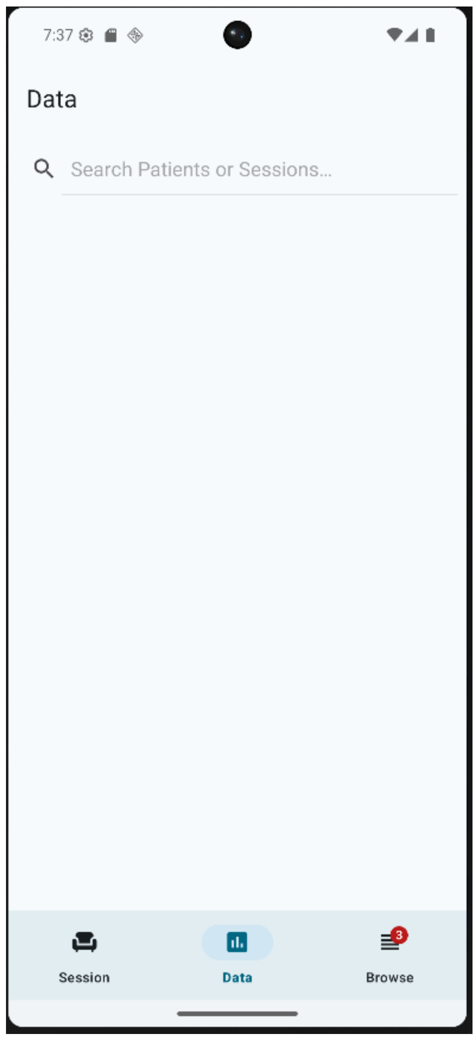
2.4. Forgot Password

If you've forgotten your password, tap the "Forgot Password?" link on the Login screen. A dialog will appear outlining the next steps for password recovery (the exact flow depends on the backend implementation, which isn't detailed in the provided code).

3. Main Application Interface

After logging in, you'll land on the main screen. The interface consists of:

- **Toolbar:** Displays the title of the current section.
- **Main Content Area:** Shows the content of the selected tab (managed by a ViewPager).
- **Bottom Navigation Bar:** Allows switching between the main sections of the app: Session, Data, and Browse.



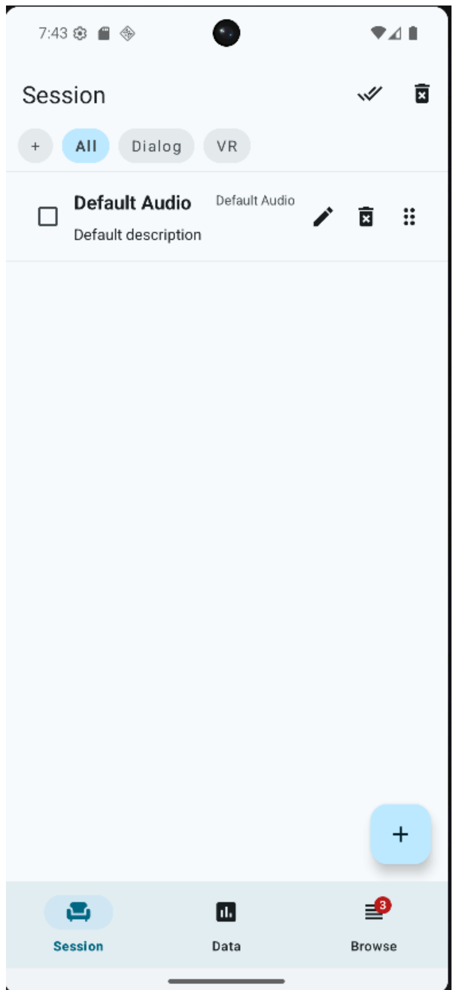
The specific fragments loaded into the Session and Data tabs depend on whether you are logged in as a Therapist or a Patient.

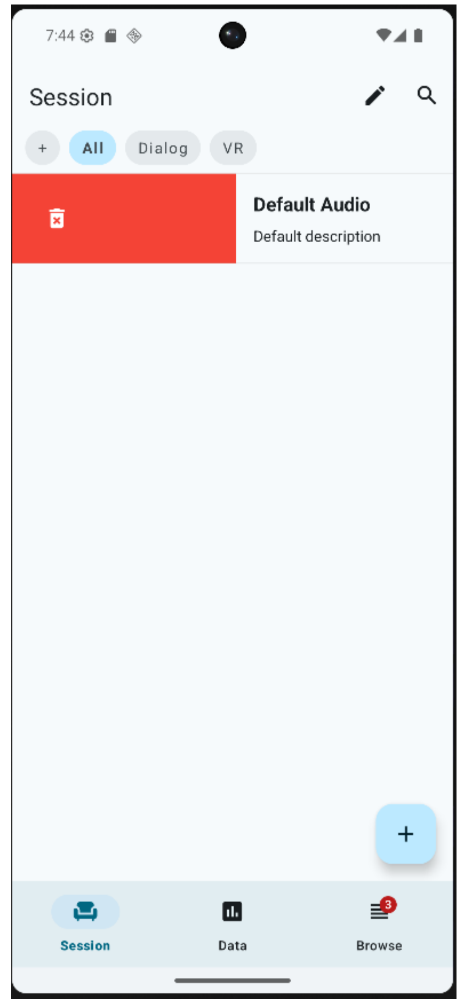
4. Therapist Workflow

This section details the features and flows specific to users logged in as Therapists.

4.1. Session Tab (TherapistSessionFragment)

This is your primary hub for managing session templates ("Cards") and initiating new sessions.



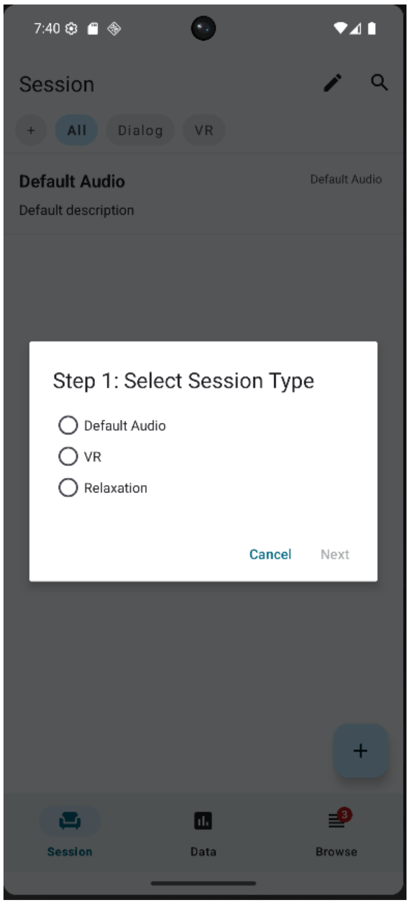


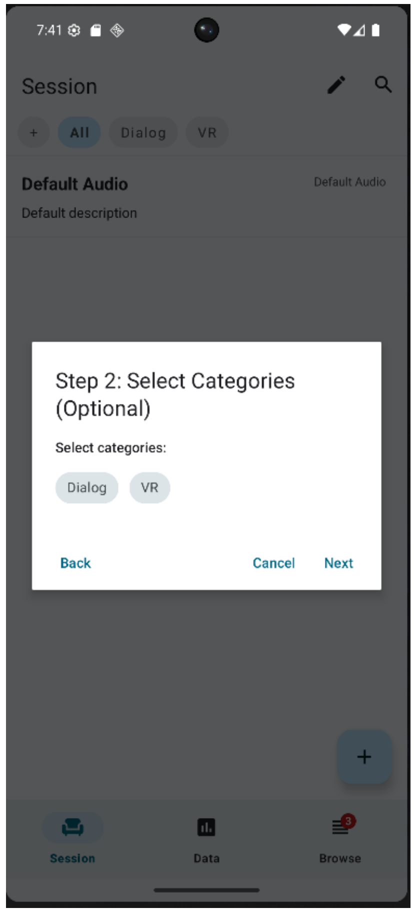
- **Category Filters:** A horizontal scrolling list of buttons at the top allows you to filter the Session Cards displayed below.
  - Tap a category name to show only cards belonging to that category.
  - Tap "All" to show all cards.
  - Tap "+" to add a new category (see section 4.1.3).
  - Long-press a user-defined category button (not "All" or "+") to bring up options to Edit or Delete that category.

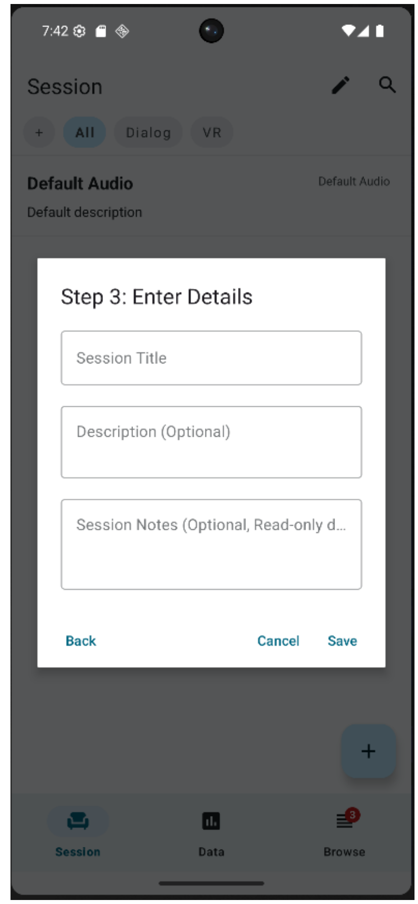
- **Session Card List:** Displays the session templates (Cards) based on the selected filter. Each card typically shows a Title and Description.
- **Floating Action Button (+):** Tap the (+) button in the bottom right to add a new Session Card.
- **Search (Toolbar):** Tap the search icon in the toolbar to filter cards by keywords in their title or description.
- **Edit Mode (Toolbar):** Tap the pencil icon in the toolbar to enter Edit Mode.
    - **Checkboxes:** Appear on each card, allowing you to select multiple cards.
    - **Drag Handles:** Appear on each card, allowing you to reorder cards by dragging and dropping.
    - **Edit/Delete Icons:** Appear on each card for individual editing or deletion within edit mode.
    - **Toolbar Changes:** The search icon disappears, and a "Delete Selected" (trash can) icon appears. The pencil icon changes to a "Done" checkmark.
    - Tap the "Done" checkmark to exit Edit Mode and save any reordering. Changes are saved automatically when you drag and drop.
- **Delete Selected (Toolbar - Edit Mode):** Tap the trash can icon while in Edit Mode to delete all currently checked cards (a confirmation dialog will appear).
- **Swipe Action (Right Swipe):** When *not* in Edit Mode, swipe a card to the right. Based on your preference (set in the Browse tab), this will either:
    - **Delete:** Immediately prompt for deletion confirmation.
    - **Edit:** Open the Edit Card dialog directly.
    - The background color and icon shown during the swipe indicate the configured action (Red/Trash for Delete, Green/Pencil for Edit).

4.1.1. Adding/Editing a Session Card (SaveCardDialogFragment)

Tapping the FAB (+) or the edit icon on a card opens the multi-step "Save Card" dialog.







1. **Step 1: Select Session Type:** Choose the type of session this card represents (e.g., "Default Audio", "VR"). *Note: Currently, only "Default Audio" might be fully supported based on the session flow code.* Tap "Next".
2. **Step 2: Select Categories (Optional):** Tap on the available category chips to assign this card to one or more categories. Selected categories will be highlighted. Tap "Next".
3. **Step 3: Enter Details:**
   - **Title:** Enter a descriptive title for the session card (Required).
   - **Description:** Enter a longer description or instructions for the session.
   - **Session Notes:** Add any default notes or prompts you want to appear for the therapist during the actual session using this card.
   - Tap "Save".

4. **Back Button:** Use the "Back" button within the dialog to return to the previous step.
5. **Cancel Button:** Tap "Cancel" at any step to discard changes and close the dialog.

4.1.2. Starting a Session

Tap directly on a Session Card (when *not* in Edit Mode) to start a new session using that template. This will navigate you to the Session Host Activity (see Section 4.2).

4.1.3. Managing Categories

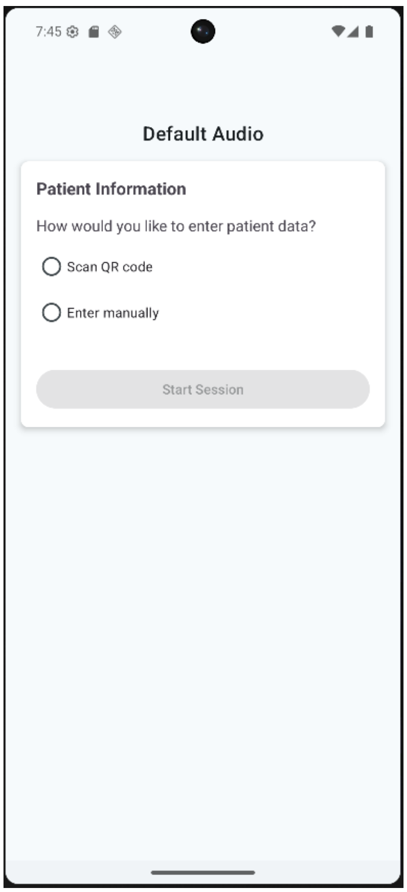
- **Adding:** Tap the "+" button in the category filter list. An "Add Category" dialog appears. Enter the name and tap "Add". The category list will refresh.
- **Editing/Deleting:** Long-press a user-defined category button. A dialog appears with "Edit" and "Delete" options.
  - **Edit:** Opens a dialog to rename the category. Renaming updates the category itself and removes the old category name from all associated cards, adding the new one.
  - **Delete:** Prompts for confirmation. Deleting a category removes it from the list and also removes that category tag from all associated cards.

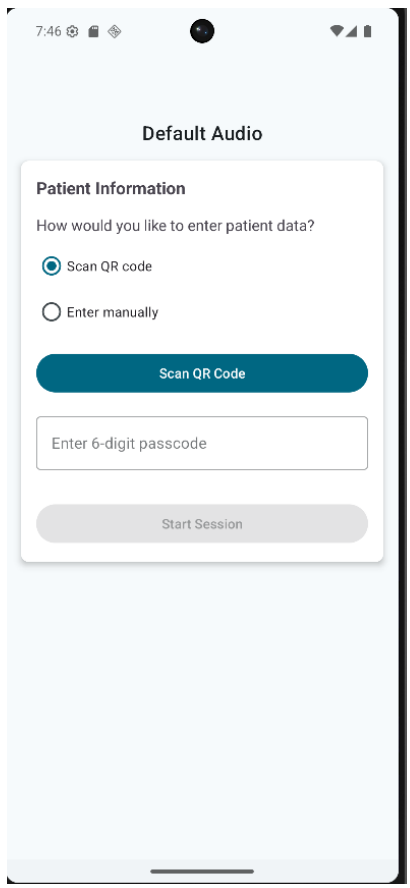
4.2. Conducting a Session (SessionHostActivity & its Fragments)

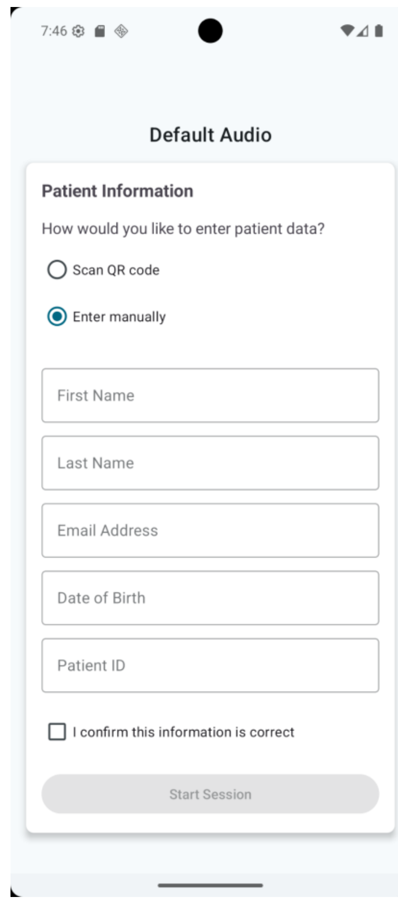
Tapping a Session Card initiates the session flow, hosted within SessionHostActivity. This activity manages navigation between different stages of the session using a navigation graph.

4.2.1. Session Form (FormFragment)

This is the first step after selecting a Session Card. You need to identify the patient for the session.





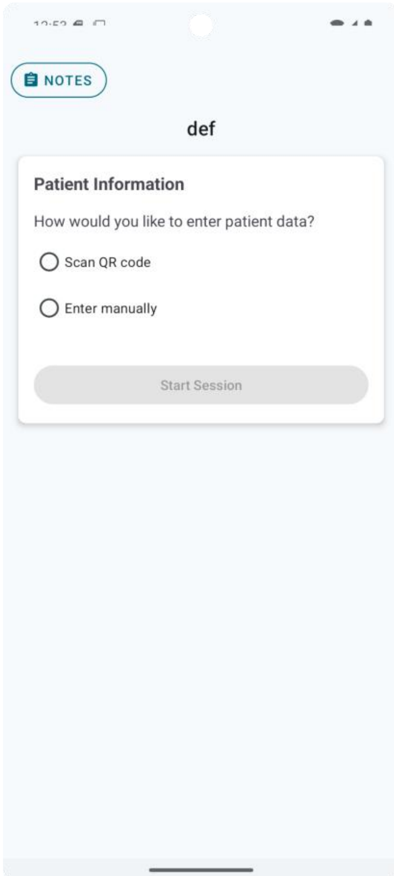


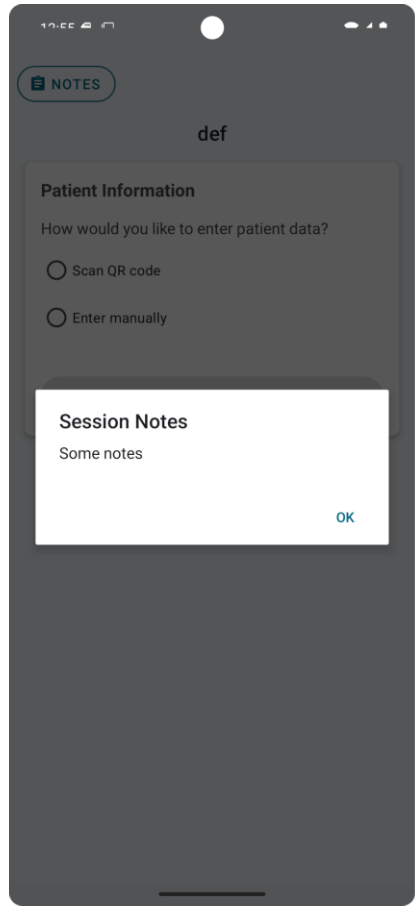
- **Select Method:** Choose either "Scan QR Code" or "Manual Entry".
- **QR Code Method:**
  - Tap "Scan QR". This launches the camera (ScanQRActivity).
  - Scan the QR code displayed on the patient's app.

- Upon successful scan, the screen returns, confirming "QR code scanned successfully".
- Enter the 6-digit **Passcode** provided by the patient into the "Passcode" field.

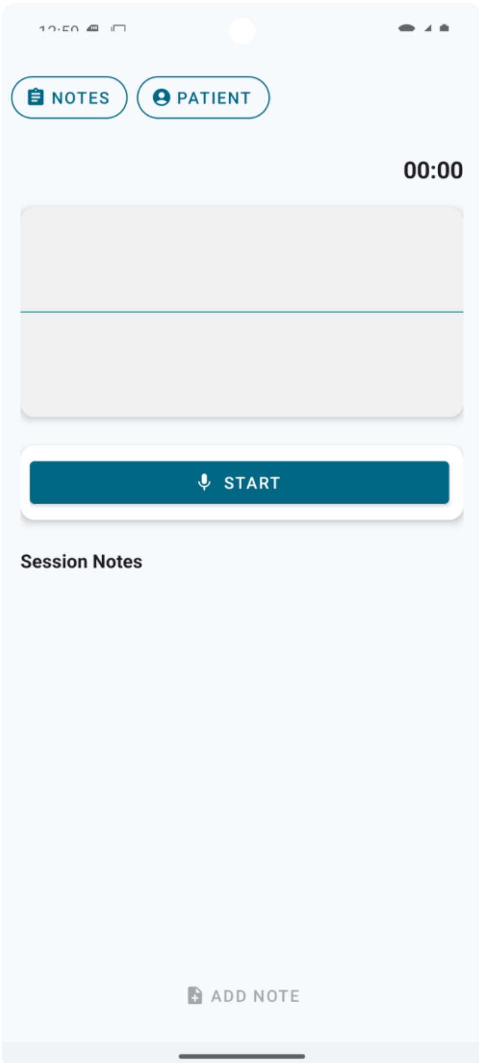
- **Manual Entry Method:**
  - Fill in the patient's details: First Name, Last Name, Email (optional), Patient ID (Required, 9 digits), Date of Birth (DD/MM/YYYY format).
  - The app will attempt to search for an existing profile matching the Patient ID.
  - **Profile Found & Details Match:** If a profile is found filled in data matches, the session will use the existing profile data.
  - **Profile Found & Data Mismatch:** An error message appears, prompting you to correct the details or proceed with the found profile.
  - **Profile Not Found:** A dialog appears asking if you want to proceed with the manually entered details without linking to an existing profile. Tap "Proceed" to continue or "Cancel" to go back.
  - Check the "I confirm..." checkbox (Terms acceptance).
- **Start Session Button:** Becomes enabled only when all required fields for the selected method are valid (QR scanned + 6-digit passcode OR Manual fields filled + checkbox checked). Tap this button to proceed.
  - **QR Decryption:** If using QR, the app decrypts the scanned data using the passcode. If it fails (wrong passcode/invalid QR), an error is shown.
  - **Navigation:** On success, the app navigates to the appropriate recording fragment based on the Session Card Type selected initially (e.g., AudioRecordFragment for "Default Audio").

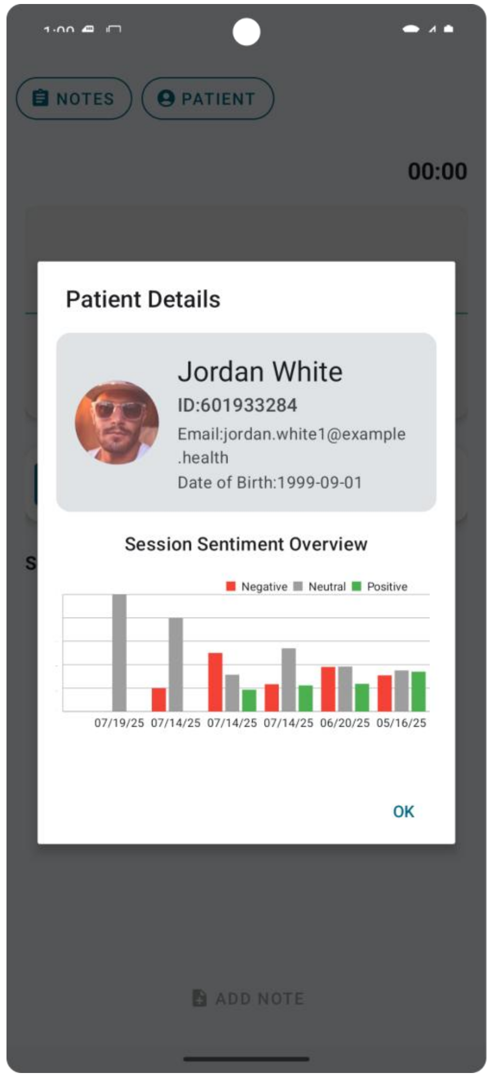
- **In case of set Notes:** given if the user set session notes at section 4.1.1, a button for notes will appear in the tool bar to the left, which opens the notes.

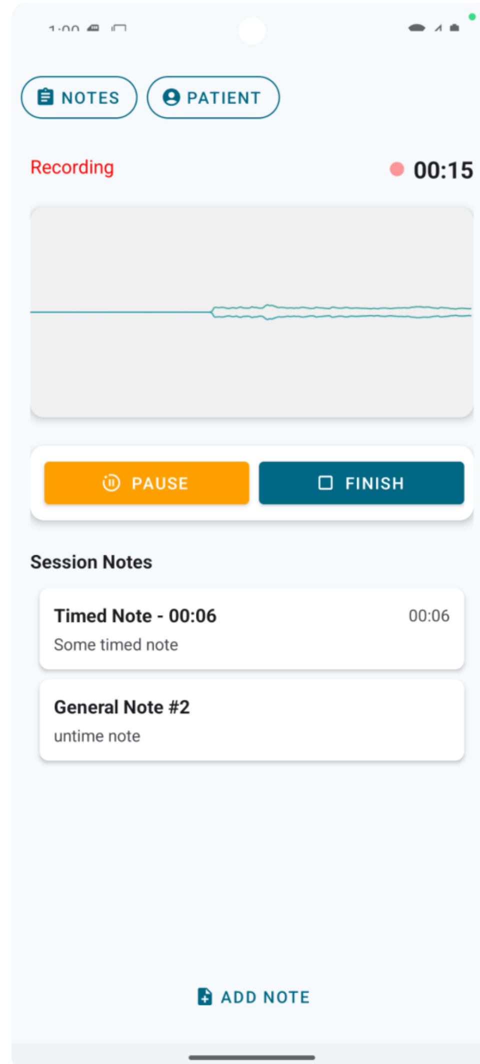




4.2.2. Audio Recording (AudioRecordFragment - for "Default Audio" Type)







This screen handles the
audio recording part of the session.

- **Visualizer (AudioVisualizerView):** Shows a real-time waveform representing the audio being captured.
- **Timer:** Displays the elapsed recording time (MM:SS).
- **Status Indicator:** A red dot and text ("Recording", "Paused", "Ready to Record") indicate the current state. The dot blinks when actively recording.
- **Notes:** Same as 4.2.1

- **Profile:** A profile summary of the patient, If found on the cloud, session trend summary will appear, and if entered manually and no such profile exists on the cloud, the details presented will be limited to what was manually inserted.

- **Controls:**
  - **Start:** Begins the recording (after a consent prompt). Only visible before recording starts.
  - **Pause/Resume:** Toggles between pausing and resuming the recording. Button icon and color change accordingly (Orange/Pause Icon when recording, Green/Play Icon when paused). Only visible during recording.
  - **Stop:** Ends the recording session (after confirmation). Only visible during recording.
- **Add Note Button:** Tap to add a note during the session.
- **Notes List (RecyclerView):** Displays notes added during the session.

Actions:

1. **Start Recording:** Tap "Start". A consent dialog appears. Tap "Begin Recording" to start. The timer starts, the visualizer activates, and the status shows "Recording".
2. **Pause/Resume:** Tap the Pause/Resume button to toggle the state. The timer pauses, and the visualizer may freeze when paused.
3. **Add Note:** Tap "Add Note". A dialog appears:
   - Enter the note text.
   - Check/Uncheck "Include Timestamp" (defaults to checked if recording is not paused). Timestamped notes use the current timer value in their title. Generic notes get numbered titles (e.g., "Note 1").
   - Tap "Save". The note appears in the list below.
4. **Edit/Delete Note:** Tap on an existing note in the list. An "Edit Note" dialog appears. You can modify the text and tap "Save", or tap "Delete" to remove the note.
5. **Stop Recording:** Tap "Stop". A confirmation dialog appears ("Finish Session?"). Tap "Yes, Finish" to stop the recording permanently and proceed to the next step. Tap "No, Cancel" to continue recording.

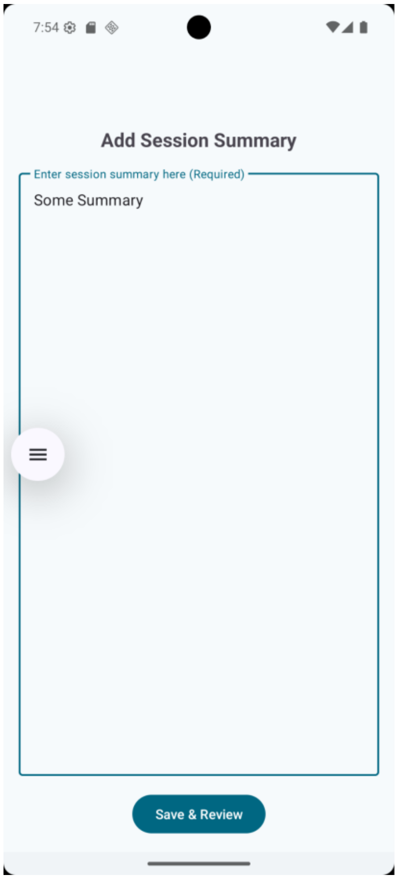
Known Bug:

Some android versions do not prompt the user to set microphone permissions for the app. To fix this, please navigate to your phones settings -> Apps -> TherapyAI. In the permissions section, please give the app microphone permissions.

This flow may vary between android versions, but the core idea is to manually give the app microphone permissions when using the app. If you cannot find it on your own, please refer to your android version documentation to do so.

4.2.3. Add Summary (AddSummaryFragment)

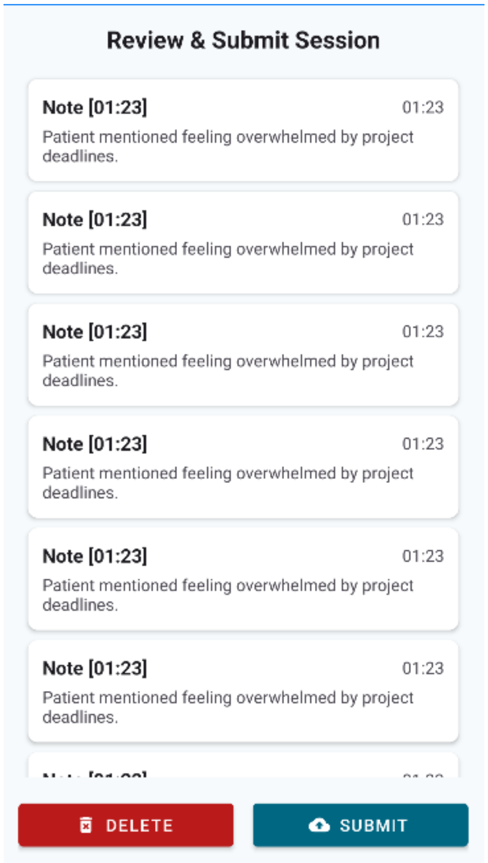
After stopping the recording, you are prompted to add a summary for the session.



1. **Enter Summary:** Type the session summary into the text field.
2. **Save Summary:** Tap "Save Summary". The summary text is saved, and you navigate to the final review step. *Note: The summary cannot be empty.*

4.2.4. Review and Submit (ReviewSubmitFragment)

This is the final step before submitting the session data. It displays all collected notes, including the summary.

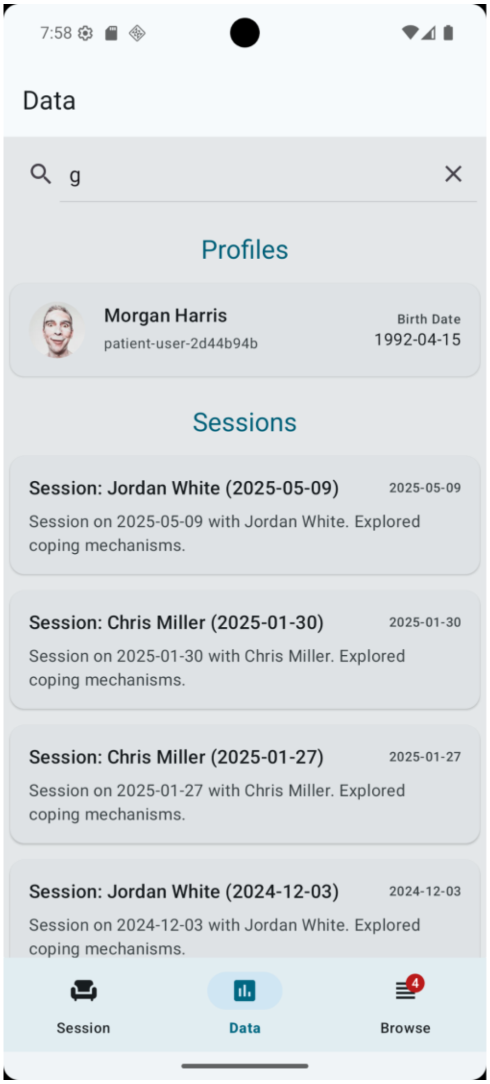


- **Notes List:** Shows all notes added during the session, with the "Summary" typically listed first.
- **Edit Note:** Tap any note card (including the Summary) to open the Edit Note dialog, allowing last-minute changes or deletions (except for the Summary, which can only be edited, not deleted from here).
- **Delete Session Button:** Tap to discard the entire session, including the recording and all notes. A confirmation dialog will appear. If confirmed, temporary files are securely deleted, and you are returned to the main Therapist Session screen.
- **Send Session Button:** Tap to submit the session data (audio recording, notes) for processing. A progress indicator may appear.
  - **Success:** A success message is shown, temporary files are deleted, and you are returned to the main Therapist Session screen.

- **Failure:** An error message is shown. You remain on the Review/Submit screen to potentially retry or delete the session.

4.3. Data Tab (TherapistSearchFragment)

This tab allows Therapists to search for patient profiles and past session summaries.



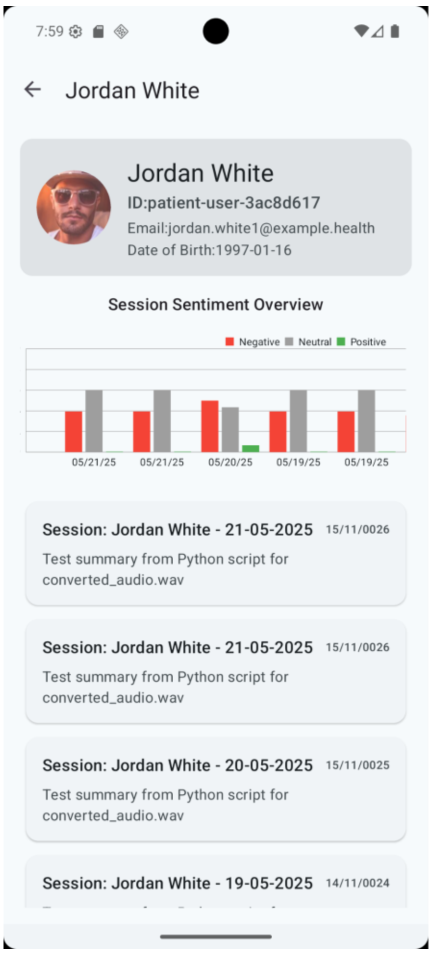
1. **Enter Search Query:** Type a patient's name, ID, session title keyword, or date into the search bar at the top.
2. **Submit Search:** Press the search icon on the keyboard or wait briefly.
3. **View Results:** The list below populates with matching items, categorized into:
   - **Profiles:** Shows matching patient profiles (picture, name, ID, DOB).
   - **Sessions:** Shows matching session summaries (title, date, description preview).

- A progress bar appears while searching.

4. **Navigate:**
   - Tap a **Profile** item to view the full patient profile details (ProfileActivity).
   - Tap a **Session** item to view the detailed session data (DataActivity).
5. **Pull Down Refresh:** pulling down as much as possible triggers a refresh for the current search keyword.

4.4. Profile Details (ProfileActivity)

Displays detailed information about a specific patient and their session history.

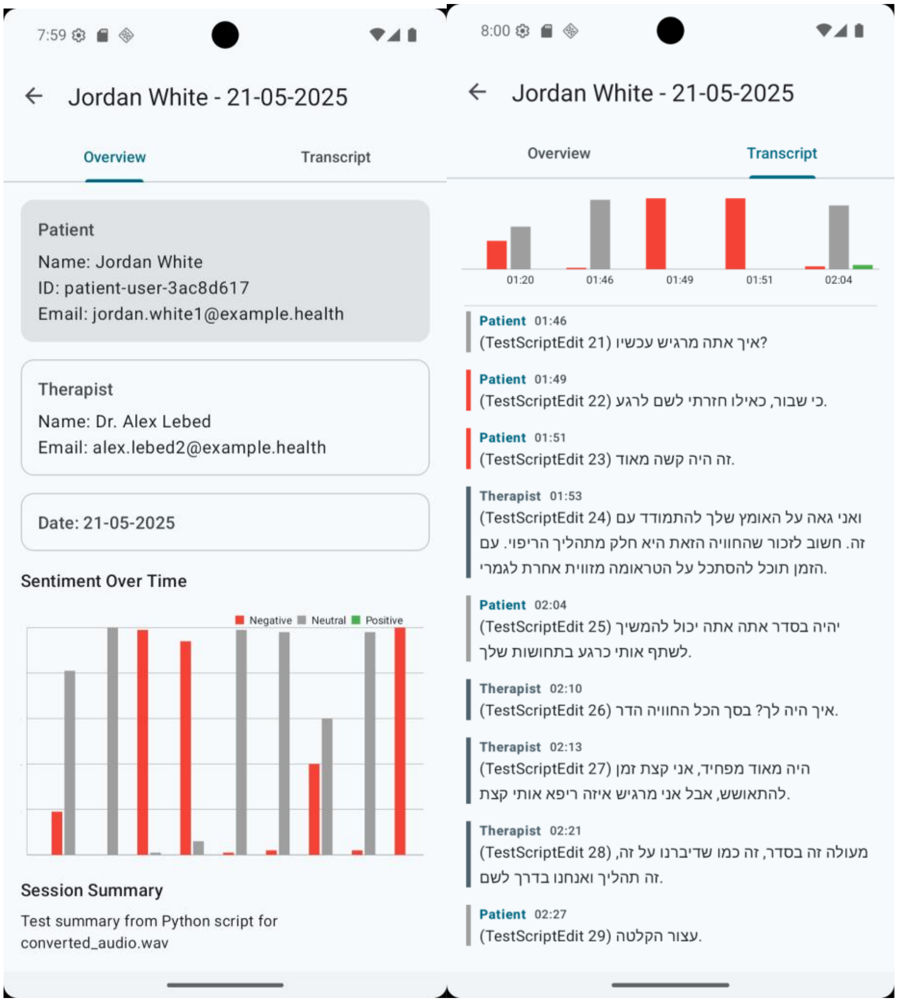


- **Profile Information:** Shows the patient's picture, full name, ID, email, and date of birth.
- **Session Sentiment Chart (BarChart):** Visualizes sentiment trends (positive, negative, neutral) across the patient's sessions, ordered chronologically (most recent first likely, based on sorting code).

- **Session List (RecyclerView):** Lists the patient's past sessions, matching the order in the chart. Each item shows title, date, and a short description preview.
- **Interaction:**
  - **Tap Session in List:** Opens the detailed view for that specific session (DataActivity). It also briefly highlights the corresponding bar group in the chart above.
  - **Tap Bar Group in Chart:** Highlights the bar group and scrolls the list below to the corresponding session, briefly highlighting it.
  - **Scroll List:** Scrolling the session list automatically scrolls the chart horizontally to keep the visible sessions aligned.
  - **Drag/Fling Chart:** Dragging or flinging the chart horizontally scrolls the session list below to match the chart's visible range.

4.5. Session Details (DataActivity)

Displays the processed data for a single session, organized into tabs.

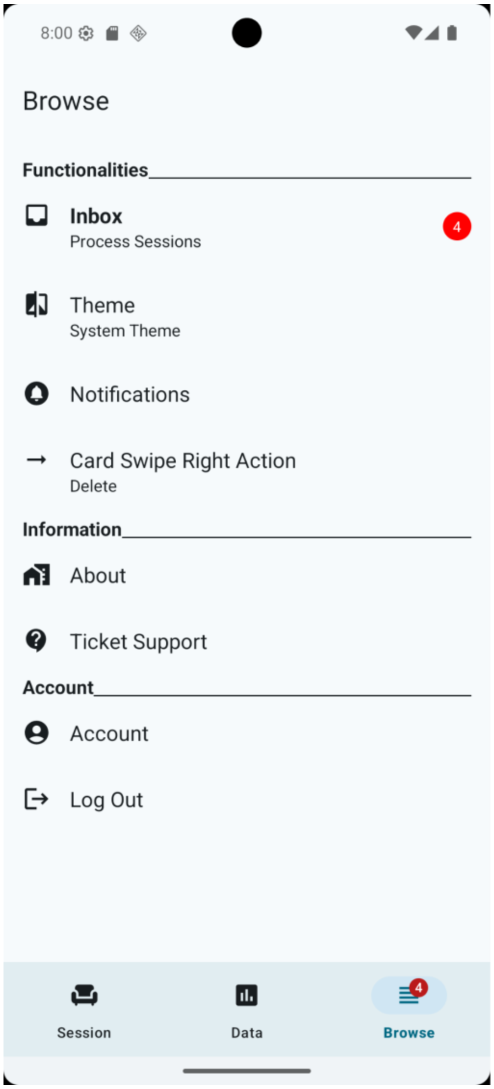


- **Toolbar:** Shows the Patient Name and Session Date. Use the back arrow to return to the previous screen (Profile or Search).
- **Tabs:**
  - **Overview (SessionOverviewFragment):**
    - Displays patient/therapist names, session date, AI-generated summary, general notes (if any).
    - Shows a sentiment chart (BarChart) visualizing sentiment for *each turn* within this specific session. Tapping a bar group navigates to the Transcript tab and highlights the corresponding entry.
  - **Transcript (SessionTranscriptFragment):**

- Displays the full session transcript, broken down into therapist and patient sentences with timestamps.
- Includes timed notes added during the session, displayed inline near the relevant transcript entry.
- Shows a sentiment indicator bar next to each entry (Green=Positive, Red=Negative, Grey=Neutral, Orange=Mixed).
- Features a sentiment chart (BarChart) identical to the one on the Overview tab, allowing navigation.
- **Interaction:** Tapping a bar group highlights the corresponding entry in the transcript list below and scrolls to it. Scrolling the transcript list scrolls the chart. Dragging the chart scrolls the list.

4.6. Browse Tab (BrowseFragment - Therapist View)

Provides access to settings, support, and the therapist-specific Inbox.

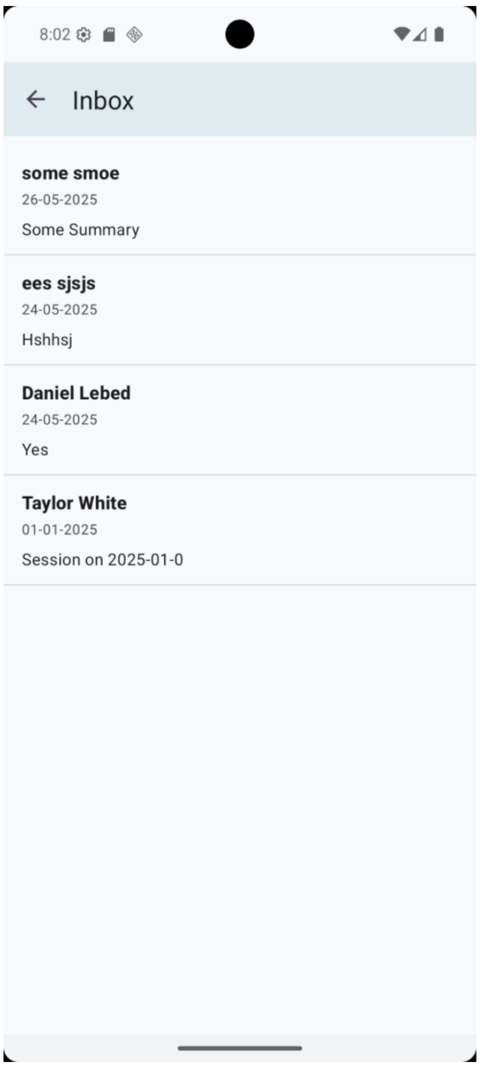


- **Inbox:** Navigates to the InboxActivity (see Section 4.7). A badge indicates the number of unprocessed items requiring review.
- **Account:** (Placeholder - Navigates to AccountActivity).
- **Theme:** Opens a dialog (ThemeSelectionDialog) to choose between Light, Dark, or System Default themes.
- **Notifications:** Allows toggling vibration/sound/popup settings within the app and provides a button to open system notification settings.
- **Set Swipe Right Action:** Opens a dialog allowing you to configure whether swiping right on a Session Card in the Session tab triggers "Edit" or "Delete".

- **About:** Shows app information and links.
- **Support:** (Placeholder - Navigates to SupportActivity).
- **Log Out:** Logs you out of the application and returns you to the Welcome Screen.

4.7. Inbox (InboxActivity)

Lists sessions that have been processed by the backend and require therapist review and approval.

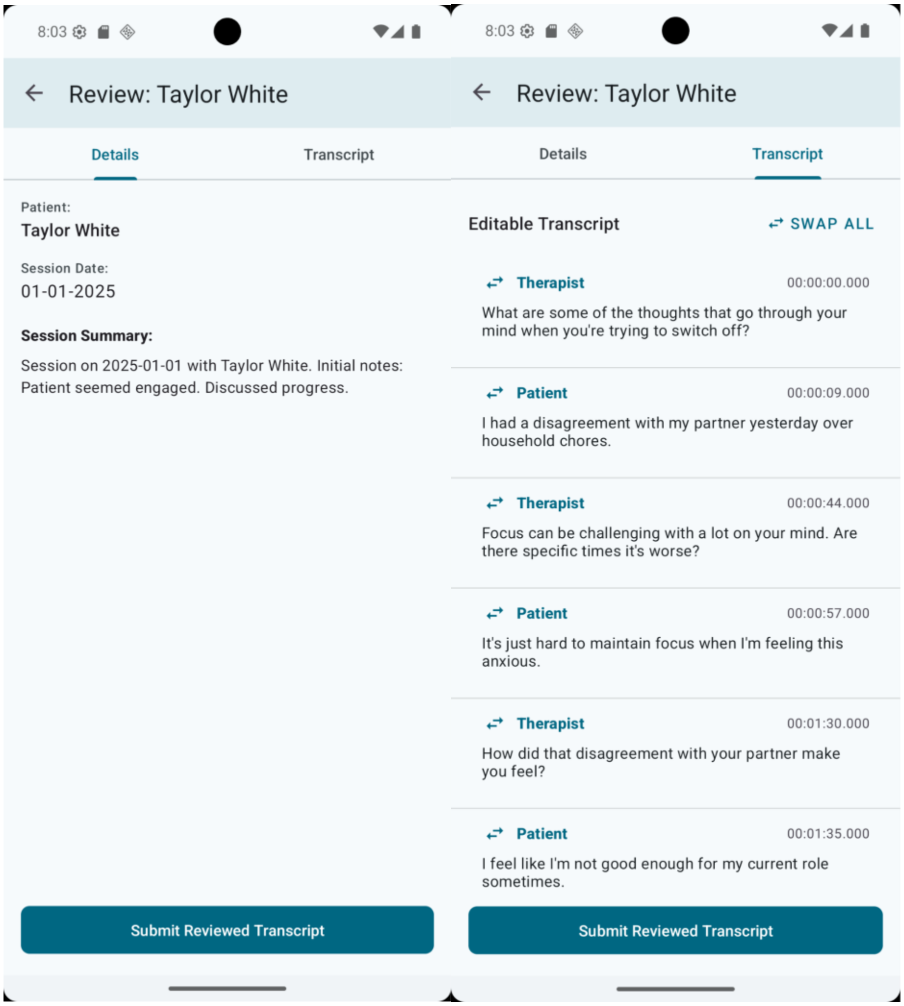


- **List:** Shows items with Patient Name, Session Date, and a preview of the AI-generated summary.
- **Swipe to Refresh:** Pull down on the list to check for new items.
- **Empty State:** If no items need review, a message is displayed.
- **Tap Item:** Opens the ProcessedDataDetailActivity for review.

- **Toolbar:** Includes a back button to return to the Browse tab.

4.8. Reviewing Processed Data (ProcessedDataDetailActivity)

This screen allows therapists to review and edit the AI-processed transcript before final submission.



- **Toolbar:** Shows "Review: [Patient Name]". Includes a back button. *Note: If unsaved changes exist, pressing back prompts for confirmation.*
- **Tabs:**
  - **Details (TranscriptDetailsFragment):** Displays the Patient Name, Session Date, and the AI-generated Summary.
  - **Transcript (TranscriptEditorFragment):**
    - Shows the editable transcript in a list format. Each item displays Speaker (Patient/Therapist), Timestamp, and the editable Text.

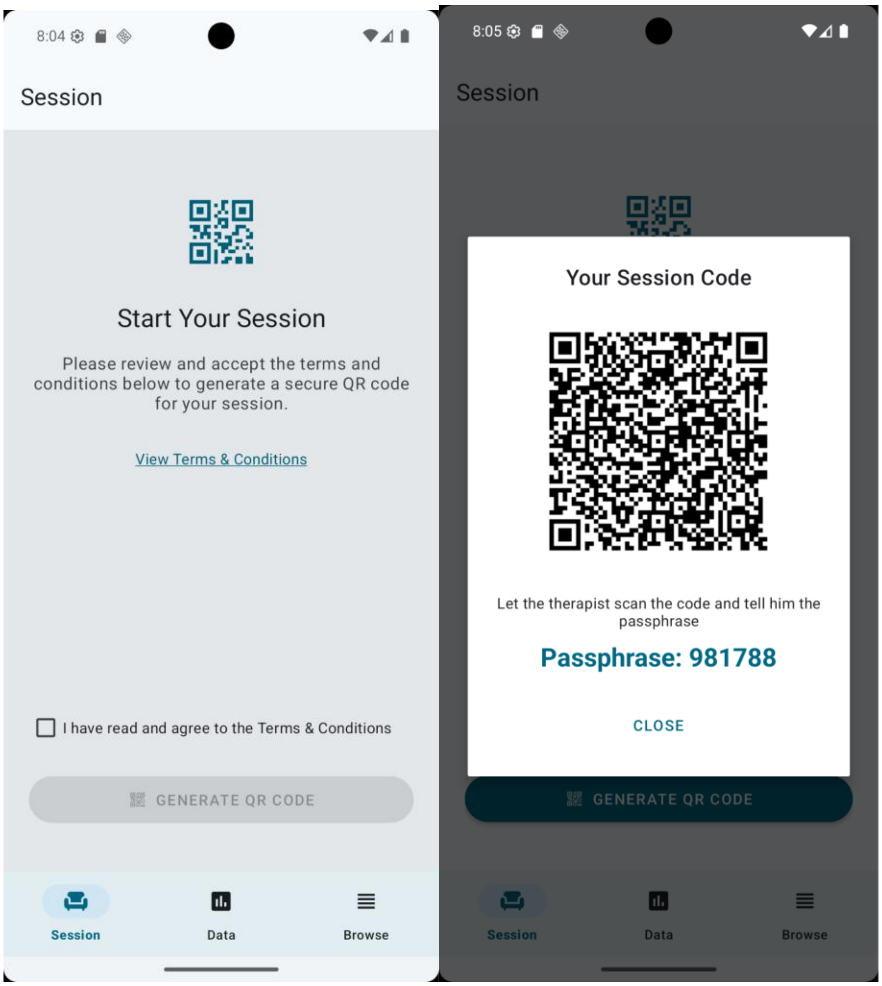
    - **Edit Text:** Tap within the text field of an entry to modify the transcript.
    - **Change Speaker:** Tap the speaker icon or name (Patient/Therapist) to toggle the speaker for that entry.
    - **Swipe Left to Delete:** Swipe an entry to the left to delete it. An "Undo" option appears briefly in a Snackbar at the bottom.
    - **Swap All Speakers Button:** Tap this button at the bottom to swap "Patient" and "Therapist" labels for all entries in the transcript.
- **Send Revised Button:** Appears at the bottom. Tap this button to submit the (potentially edited) transcript. A success message appears, and you are returned to the Inbox. If submission fails, an error message is shown.

5. Patient Workflow

This section details the features specific to users logged in as Patients.

5.1. Session Tab (PatientQRFragment)

This is the primary screen for patients, used to generate a QR code for starting a session with their therapist.



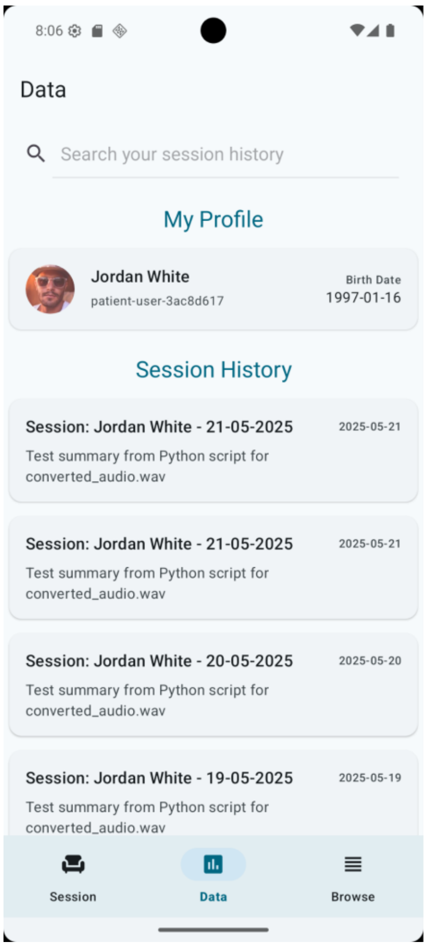
1. **Review Terms:** Optionally, tap the "Terms and Conditions" link to review them (a dialog appears).
2. **Accept Terms:** Check the checkbox to indicate acceptance of the terms. The "Accept & Generate QR" button becomes enabled.
3. **Generate QR:** Tap the "Accept & Generate QR" button.
4. **QR Code Dialog:** A dialog appears displaying:
    - A unique QR Code.

- A 6-digit numeric Passcode.

1. **Action:** Show this QR code and provide the Passcode to your therapist when prompted at the start of your session. The QR code contains encrypted information (like your ID, name, email, DOB) and the current date for validation.
2. **Close:** Tap the "Close" button in the dialog when finished.

5.2. Data Tab (PatientSearchFragment)

Allows patients to view their own profile information and session history.

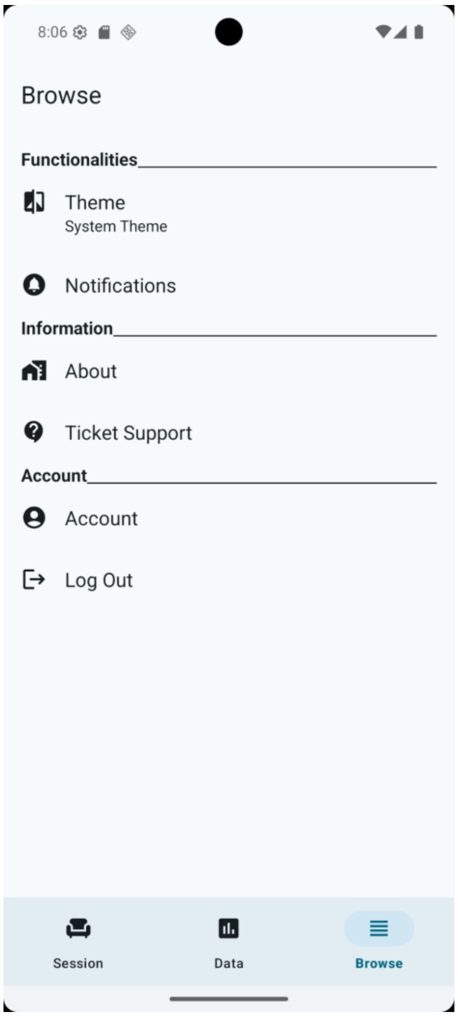


- **My Profile:** Displays a summary of your profile information (Picture, Name, ID, DOB). Tap this area to potentially view more details (navigates to ProfileActivity).
- **Search Bar:** Allows you to filter your session history by keyword (in session title, description, date, or therapist name).
- **Session History List:** Shows a list of your past sessions (Title, Date, Description Preview, Therapist Name).

- **Tap Session:** Tap a session summary item to view the detailed data for that session.
- **Pull down for refresh:** pulling down as much as possible triggers a refresh of the associated profile and sessions.

5.3. Browse Tab (BrowseFragment - Patient View)

Provides access to settings and account information.



- **Account:** (Placeholder - Navigates to AccountActivity).
- **Theme:** Opens a dialog (ThemeSelectionDialog) to choose between Light, Dark, or System Default themes.
- **Notifications:** (Placeholder - Navigates to NotificationSettingsActivity).
- **About:** (Placeholder - Navigates to AboutActivity).
- **Support:** (Placeholder - Navigates to SupportActivity).

- **Log Out:** Logs you out of the application and returns you to the Welcome Screen.

6. Common Features

- **Theme Selection (ThemeSelectionDialog):** Accessible from the Browse tab, allows choosing Light, Dark, or System default app appearance.
- **Account Settings (AccountActivity):** Placeholder screen for future account management features.
- **Notification Settings (NotificationSettingsActivity):** Placeholder screen for managing app notification preferences (sound, vibration) and linking to system settings.
- **About/Support (AboutActivity, SupportActivity):** Placeholder screens for app information, credits, help resources, etc.