

Test Scenarios & Test Cases

Epic 1: Onboarding & Account

TS-01: Verify user can register using email and password

TC-01-01: Valid Registration

- Precondition: User is on registration page
- Steps:
 1. Enter name: "Ana Malik"
 2. Enter email: "ana@melp.com"
 3. Enter password: "Pass@123"
 4. Click "Register"
- Expected: Account created, confirmation shown, redirected to dashboard

TC-01-02: Invalid Email Format

- Precondition: User is on registration page
- Steps:
 1. Enter name: "Ana Test"
 2. Enter email: "invalid-email"
 3. Enter password: "Pass@123"
 4. Click "Register"
- Expected: Error message "Invalid email format"

TC-01-03: Weak Password Validation

- Precondition: User is on registration page
- Steps:
 1. Enter name: "Ana Test"
 2. Enter email: "ana.test@melp.com"
 3. Enter password: "123"
 4. Click "Register"
- Expected: Error message "Password must be at least 8 characters"

TS-02: Verify user can register using Google account

TC-02-01: Google OAuth Registration

- Precondition: User is on registration page
- Steps:
 1. Click "Sign up with Google"
 2. Select Google account
 3. Grant permissions
- Expected: Account created using Google profile, redirected to dashboard

TS-03: Verify user can log in with valid credentials

TC-03-01: Login with Email & Password

- Precondition: User has registered account
- Steps:
 1. Navigate to login page
 2. Enter registered email
 3. Enter correct password
 4. Click "Login"
- Expected: Successful login, redirected to dashboard

TC-03-02: Login with Invalid Password

- Precondition: User has registered account
- Steps:
 1. Navigate to login page
 2. Enter registered email
 3. Enter wrong password
 4. Click "Login"
- Expected: Error message "Invalid credentials"

TS-04: Verify user can log out

TC-04-01: Logout from Web

- Precondition: User is logged in
- Steps:
 1. Click profile icon
 2. Select "Logout" from menu
 3. Confirm logout if prompted
- Expected: User logged out, redirected to login page

TS-05: Verify user can update preferences

TC-05-01: Update Time Zone

- Precondition: User is logged in
- Steps:
 1. Go to Settings → Preferences
 2. Select Time Zone dropdown
 3. Choose "GMT+5:30 (IST)"
 4. Click "Save"
- Expected: Time zone updated, success message shown

Epic 2: Chats & Collaboration

TS-06: Verify user can start a 1:1 chat

TC-06-01: Start Chat with Contact

- Precondition: User is logged in, has contacts
- Steps:
 1. Navigate to Contacts
 2. Select contact "Jane Doe"
 3. Click "Message"
 4. Type "Hello, testing"
 5. Press Send
- Expected: Chat opens, message sent, appears in history

TC-06-02: Start Chat with Non-Contact User

- Precondition: User is logged in
- Steps:
 1. Click "New Chat"
 2. Search for user by email
 3. Select user from results
 4. Type message and send
- Expected: New chat created with selected user

TS-07: Verify user can create group chat

TC-07-01: Create Group with Multiple Users

- Precondition: User is logged in, has multiple contacts
- Steps:
 1. Click "New Group"
 2. Enter group name: "Project Alpha"
 3. Select 3+ users
 4. Click "Create"
- Expected: Group created, chat window opens with all members

TS-08: Verify message sending/receiving

TC-08-01: Send Text Message

- Precondition: In a chat window
- Steps:
 1. Type message: "Meeting at 3 PM"
 2. Press Enter
- Expected: Message appears in chat with timestamp

TC-08-02: Receive Message

- Precondition: User is logged in, another user sends message
- Steps:
 1. Wait for notification
 2. Open chat
- Expected: New message visible, unread indicator clears

TS-09: Verify search within chats

TC-09-01: Search for Existing Message

- Precondition: Chat has existing messages
- Steps:
 1. Open chat window
 2. Click search icon
 3. Enter keyword "deadline"
 4. Press Enter
- Expected: Messages containing "deadline" are displayed

TC-09-02: Search with No Results

- Precondition: Chat has messages
- Steps:
 1. Open chat window
 2. Click search icon
 3. Enter "nonexistentword"
 4. Press Enter
- Expected: "No results found" message

Epic 3: Calls & Meetings

TS-10: Verify user can start audio call from chat

TC-10-01: Start Audio Call

- Precondition: In a 1:1 chat

- Steps:
 1. Click phone icon in chat header
 2. Allow microphone access
 3. Wait for connection
- Expected: Call starts, other user receives notification

TC-10-02: Start Audio Call from Contact List

- Precondition: User is in contacts view
- Steps:
 1. Select contact
 2. Click phone icon next to contact
 3. Allow microphone access
- Expected: Call initiates to selected contact

TS-11: Verify user can start video call

TC-11-01: Start Video Call from Chat

- Precondition: In a 1:1 chat
- Steps:
 1. Click video camera icon
 2. Allow camera and microphone access
 3. Wait for connection
- Expected: Video call starts, both video feeds visible

TS-12: Verify user can receive/join calls

TC-12-01: Accept Incoming Call

- Precondition: User receives call notification
- Steps:
 1. Click "Accept" on call notification
 2. Allow permissions if prompted
- Expected: Call connected, audio/video active

TC-12-02: Reject Incoming Call

- Precondition: User receives call notification
- Steps:
 1. Click "Reject" on call notification
- Expected: Call ended, notification dismissed

TS-13: Verify meeting scheduling

TC-13-01: Schedule Meeting from Calendar

- Precondition: User is logged in
- Steps:
 1. Go to Calendar
 2. Click "New Meeting"
 3. Enter title: "Team Sync"
 4. Set date/time (tomorrow 10:00 AM)
 5. Add 3 participants
 6. Click "Schedule"
- Expected: Meeting created, invites sent to participants

TC-13-02: Join Scheduled Meeting

- Precondition: User has meeting invite
- Steps:
 1. Open Calendar
 2. Click on scheduled meeting
 3. Click "Join"
- Expected: Meeting room opens, user joins call

TS-14: Verify moderator can start AI summarization

TC-14-01: Start Recording with AI Summary

- Precondition: Moderator is in a meeting
- Steps:
 1. Click "More options" (:)
 2. Select "Start recording"
 3. Enable "AI Summary"
 4. Conduct meeting for 5+ minutes
 5. Stop recording
- Expected: Recording saved, AI summary generated and available

Epic 4: Melp Drive

TS-15: Verify user can access Melp Drive

TC-15-01: Open Drive from Main Menu

- Precondition: User is logged in
- Steps:
 1. Click "Drive" icon in sidebar
- Expected: Drive opens showing files/folders

TS-16: Verify file upload

TC-16-01: Upload Supported File (PDF)

- Precondition: User is in Melp Drive
- Steps:
 1. Click "Upload" button
 2. Select "document.pdf" (2MB)
 3. Click "Open"
- Expected: File appears in Drive, progress bar shown, success message

TC-16-02: Upload Unsupported File Type

- Precondition: User is in Melp Drive
- Steps:
 1. Click "Upload"
 2. Select "script.exe" (executable file)
 3. Click "Open"
- Expected: Error message "File type not supported"

TC-16-03: Upload Large File

- Precondition: User is in Melp Drive
- Steps:
 1. Click "Upload"
 2. Select "large_video.mp4" (150MB)
 3. Click "Open"

- Expected: Progress indicator, timeout or warning for large size

TS-17: Verify document creation

TC-17-01: Create New Document

- Precondition: User is in Melp Drive
- Steps:
 1. Click "New" → "Document"
 2. Enter title: "Project Plan"
 3. Type content
 4. Click "Save"
- Expected: Document created, appears in Drive

TC-17-02: Create New Spreadsheet

- Precondition: User is in Melp Drive
- Steps:
 1. Click "New" → "Spreadsheet"
 2. Enter title: "Budget Q4"
 3. Add data to cells
 4. Click "Save"
- Expected: Spreadsheet created, appears in Drive

TS-18: Verify file sharing

TC-18-01: Share File with User

- Precondition: File exists in Drive
- Steps:
 1. Select file
 2. Click "Share"
 3. Enter user email: "team@melp.com"
 4. Set permission: "Can view"
 5. Click "Send"
- Expected: Sharing notification sent, file appears in recipient's shared folder

TC-18-02: Share File with Edit Permission

- Precondition: File exists in Drive
- Steps:
 1. Select file
 2. Click "Share"
 3. Enter user email: "editor@melp.com"
 4. Set permission: "Can edit"
 5. Click "Send"
- Expected: User receives edit access, can modify file

Total Test Cases: 34

Coverage: All in-scope user stories

Prepared by: Ananya

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