

UI/UX and User Flow

Overview

This document contains detailed information of UI. It outlines the screens, user flow, design principles, and additional instructions to ensure a seamless user experience and consistent branding.

Overview

This document outlines all the screens in the messaging app, their purpose, functionality, and user flow.

Design Principles

1. **Simplicity:** The design should focus on functionality with minimal clutter.
 2. **Accessibility:** Ensure readability and usability for all, including users with disabilities.
 3. **Consistency:** Use a unified color scheme, typography, and components across screens.
 4. **Responsive Design:** The app must be optimized for various screen sizes, including phones, tablets, and desktops.
 5. **Performance:** Lightweight design assets to ensure fast loading times.
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Screens and Components

Below is the list of screens and their details:

1. Splash Screen

- **Purpose:** Initial screen shown while the app loads.
 - **Actions:**
 - Check if the user is logged in.
 - Redirect to the **Login** screen if not logged in, or to the **Home** screen if logged in.
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2. Login Screen

- **Purpose:** Allows users to log in using their email and password.
 - **Elements:**
 - Email input field.
 - Password input field.
 - Login button.
 - "Forgot Password?" link.
 - Sign-up link for new users.
 - **Actions:**
 - Validate user credentials and redirect to the **Home** screen on success.
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3. Registration Screen

- **Purpose:** Allows new users to create an account.
 - **Elements:**
 - Email input field.
 - Password input field.
 - Confirm password field.
 - Sign-up button.
 - **Actions:**
 - Register the user and send a verification email.
 - Redirect to the **Login** screen after successful registration.
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4. Home Screen

- **Purpose:** Central hub of the app, displaying recent chats.
 - **Elements:**
 - List of recent conversations with users and groups.
 - Floating action button (FAB) to start a new chat.
 - **Actions:**
 - Tap on a chat to open the **Chat Screen**.
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5. Chat Screen

- **Purpose:** Displays conversation history and allows users to send and receive messages.
 - **Elements:**
 - Messages list (scrollable).
 - Input field for typing messages.
 - Send button.
 - Media attachment button.
 - **Actions:**
 - Send text messages.
 - Attach and send media.
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6. Contacts Screen

- **Purpose:** Displays a list of contacts who are also app users.
 - **Elements:**
 - Search bar for filtering contacts.
 - Add new contact button.
 - **Actions:**
 - Select a contact to open a new chat.
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7. Profile Screen

- **Purpose:** Displays and allows editing of user profile information.
- **Elements:**
 - User's profile picture.

- Name and email.
 - Edit button.
 - **Actions:**
 - Update profile details.
 - Change profile picture.
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8. Settings Screen

- **Purpose:** Allows users to configure app settings.
 - **Elements:**
 - Notifications toggle.
 - Theme (light/dark mode) toggle.
 - Privacy settings.
 - **Actions:**
 - Adjust settings and save changes.
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9. Forgot Password Screen

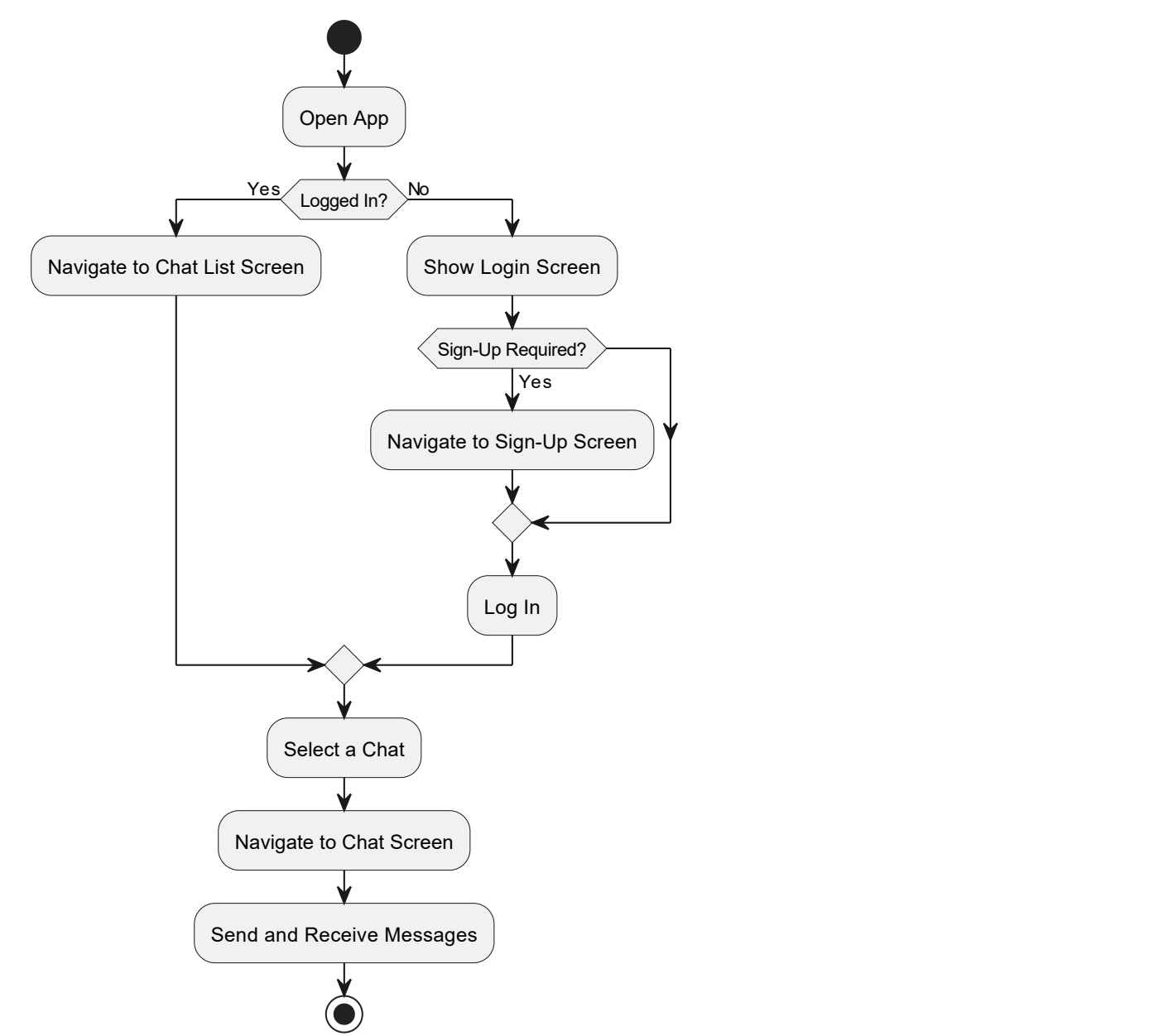
- **Purpose:** Allows users to reset their password.
 - **Elements:**
 - Email input field.
 - Reset button.
 - **Actions:**
 - Send password reset email and redirect to the **Login** screen.
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10. Media Viewer Screen

- **Purpose:** Displays media (images, videos) in full-screen mode.
 - **Elements:**
 - Media preview.
 - Download button.
 - Share button.
 - **Actions:**
 - View, download, or share media.
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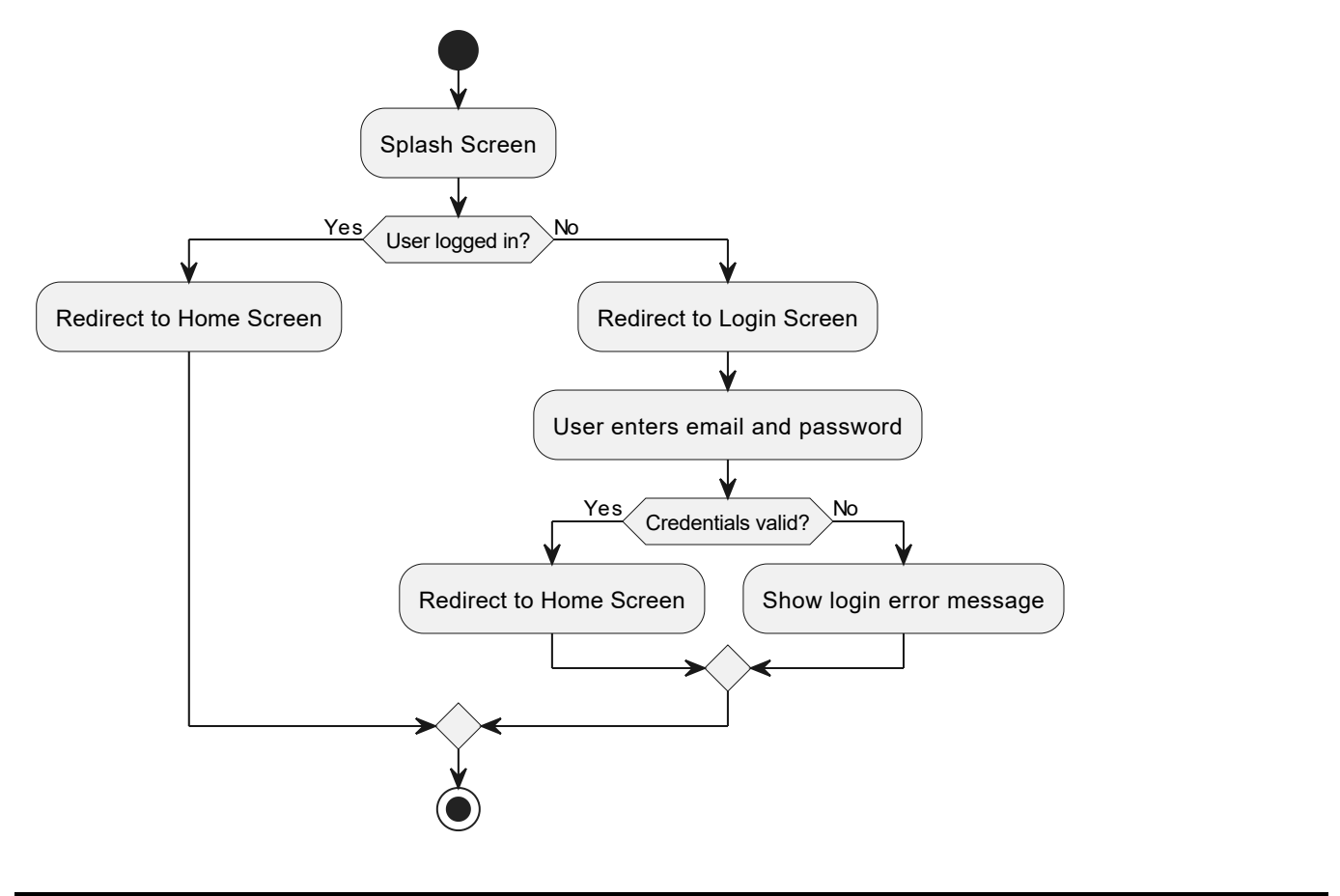
User Flow

User Journey Flow



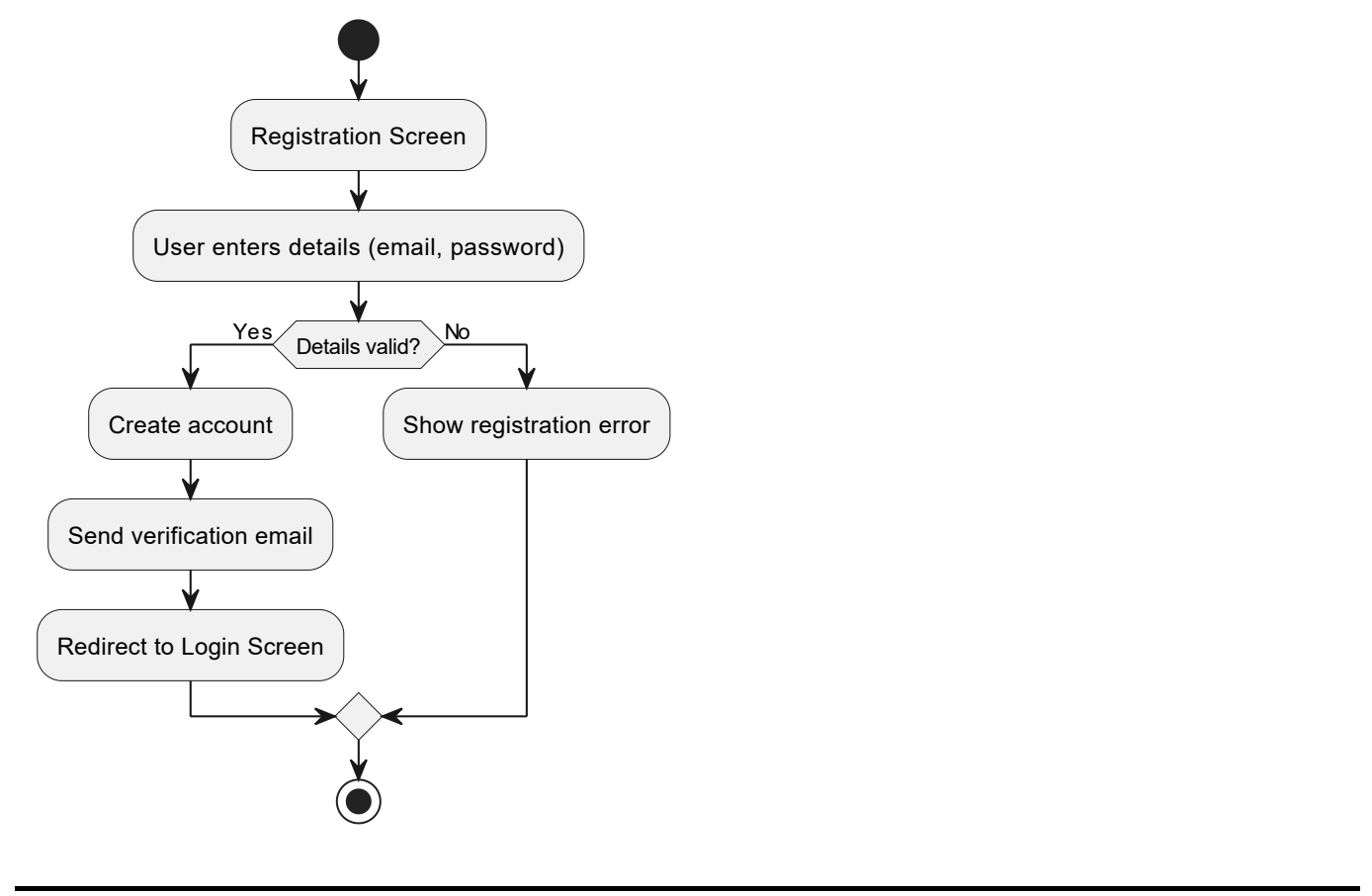
User Login Flow

Guides users through the login process from the splash screen to the home screen.



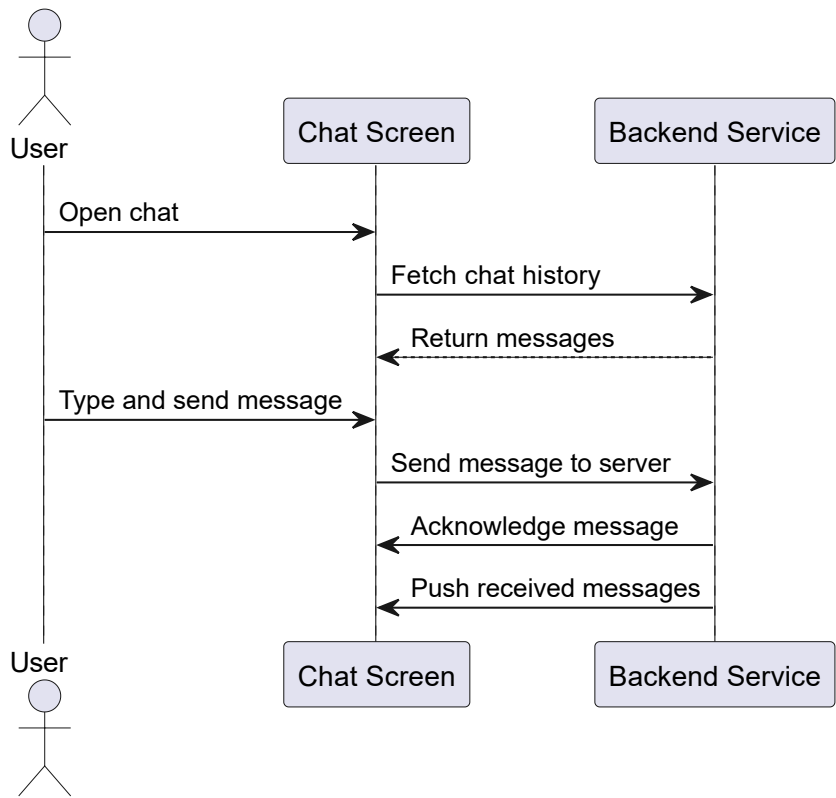
User Registration Flow

Guides new users through the account creation process.



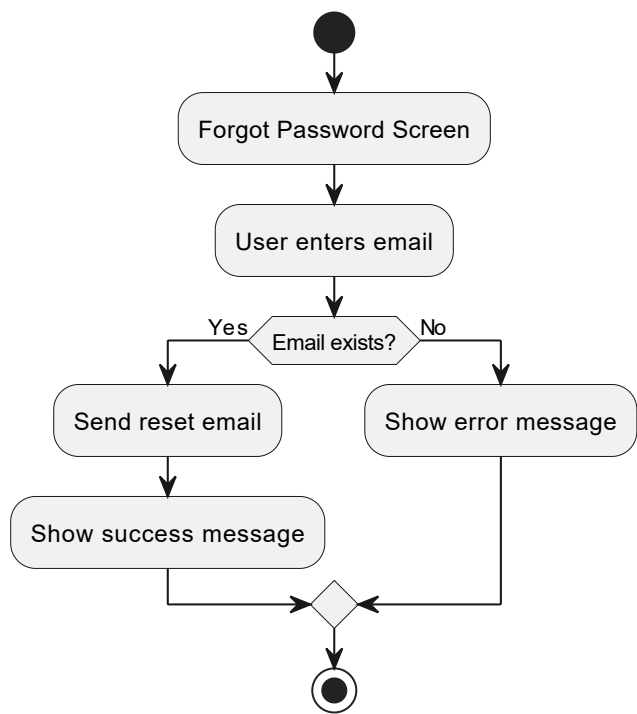
Messaging Flow

Covers sending and receiving messages in the chat screen.



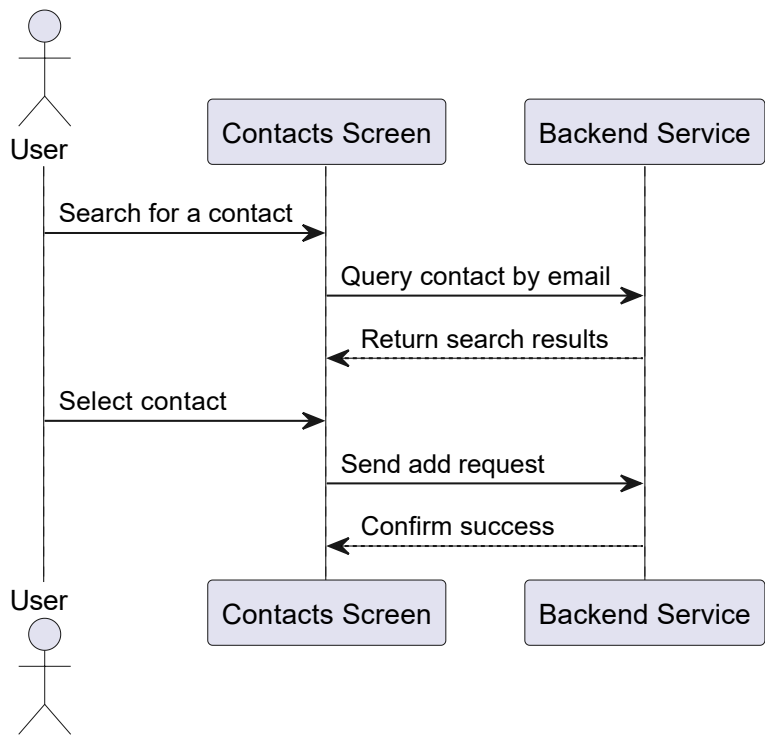
Password Reset Flow

Outlines the process of resetting a user's password.



Contact Addition Flow

Covers adding a new contact to the user's contact list.



Design Assets

- 1. **Color Scheme:**
 - Primary Color:
 - Accent Color:
 - Background:
 - Text:
- 2. **Typography:**
 - Font:
 - Sizes: standard
- 3. **Icons:**
 - Use Material Design icons for consistency.
 - Sizes: standard.

Design Deliverables

- 1. **Wireframes:**
 - Low-fidelity wireframes for all screens.
- 2. **Mockups:**
 - High-fidelity, clickable prototypes in Figma, Adobe XD, or Sketch.
- 3. **Style Guide:**
 - Comprehensive guide for colors, typography, and component designs.
- 4. **Exported Assets:**
 - SVG or PNG files for icons and images.
 - Optimized assets for different resolutions.

Notes for Designers

1. Ensure all screens follow a consistent visual theme.
 2. Maintain clear visual hierarchy to highlight important actions (e.g., FABs, primary buttons).
 3. Include user feedback for actions (e.g., loading indicators, success/error messages).
 4. Optimize for accessibility:
 - Use high-contrast colors.
 - Support screen readers.
 - Provide large tappable areas for buttons.
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