

Screen Sketches

2 Swarna 7

Team members: 4

Actors:

Customer

- Login / Signup
 - View & Edit Profile (with verification)
 - Delete Account (with verification)
 - Book Appointments/ Cancel Appointments (get confirmation number)
 - View Booking History
 - View Services
 - Chat with Employees (WebSocket)
 - View Spending & Rank (Coupons)
 - Receive Notifications (WebSocket)
-

End-user who uses the app to book nail services, manage their profile, and engage with the salon.

Actors:

Employee

- Login / Signup
- View & Edit Profile
- Manage Schedule
- View Appointments
- Chat with Customers (WebSocket)
- Receive Notifications (WebSocket)

Salon staff member who can manage their schedule and communicate with customers.

Actors:

Admin (Optional / Future Expansion)

- View All Users
- View System Stats
- Manage Services
- Handle Reports or Flagged Content

Internal team or manager of the salon responsible for service management and monitoring.

Non-Functional Requirements:

Performance:

The app must respond to user actions (clicks, booking, messaging) in under 1 second.

Scalability:

The backend should support 5+ simultaneous users chatting, booking, or browsing services.

Security:

Verification must be required before updating sensitive information (e.g., profile, account deletion).

Real-Time Communication:

Customer-employee chat and notifications must be implemented using WebSocket for instant updates.

Cross-Platform Compatibility:

The app must work on mobile and desktop browsers, and optionally on a mobile app (PWA or native).

Tables and fields

1. User (for Customers)

- `user_id` (PK)
- `email`
- `password`
- `joined_Date`
- `reset_Nums`(for verification code)
- `total_Spend` (for ranking)
- `username`

2. Profile (for Customers)

- `user_id` (FK) same Id with user
- `first_name`
- `last_name`
- `phone`
- `ranking`

**One to one with User*

3. Employees

- `employee_id` (PK)
 - `dob`
 - `available`
 - `email`
 - `service_password`
 - `username`
-

Tables and fields

4. Services

- `service_id` (PK)
- `duration`
- `price`
- `service_name`

5. Handler

- `handler_id` (PK)
- `Employee_id`(FK)
- `Service_id`(FK)

**Many to many with services
and employees*

6. Appointments

- `appointment_id` (PK)
- `Confirmation number`
- `date`
- `endtime`
- `starttime`
- `status`
- `User_id`(FK)

**One to one with user*

Tables and fields

7. Appointment Service

- `appointment_service_id` (PK)
- `appointment_id` (FK)
- `employee_id` (FK)
- `service_id` (FK)

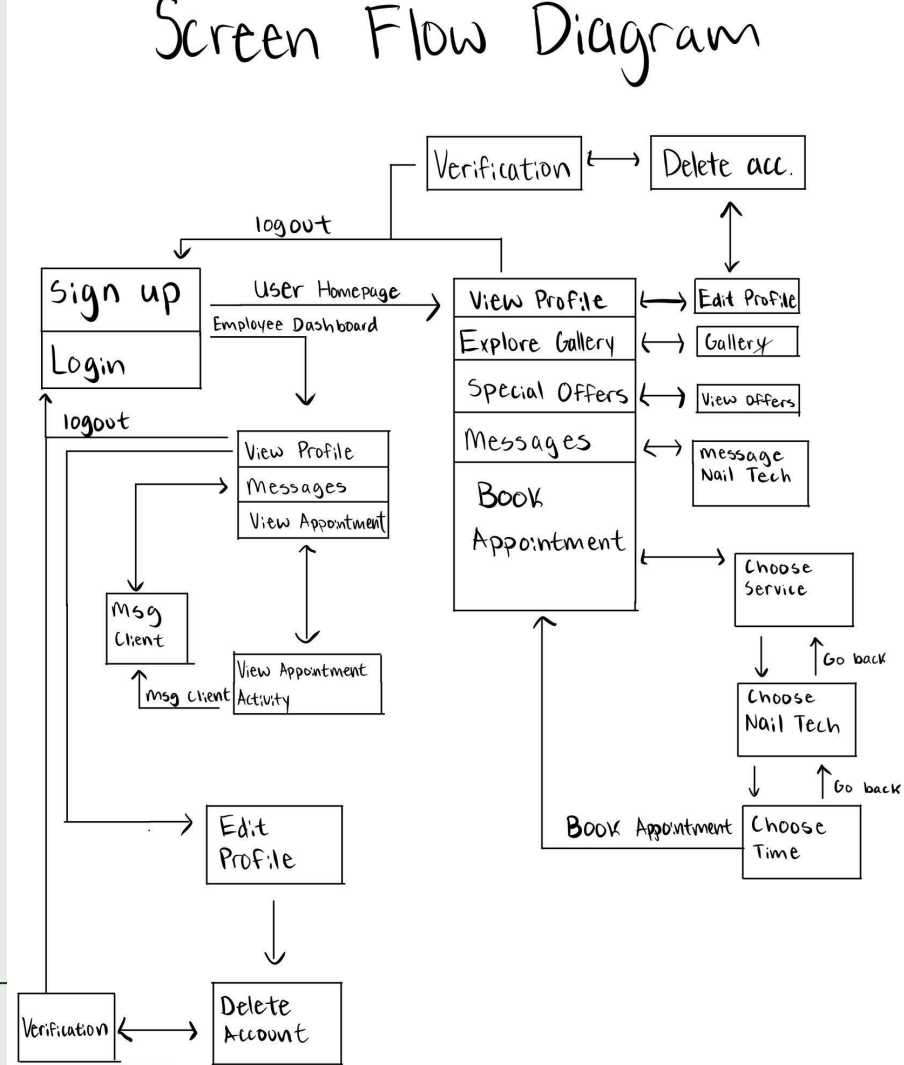
**Many to many with services, employees and appointments*

8. Time Frame

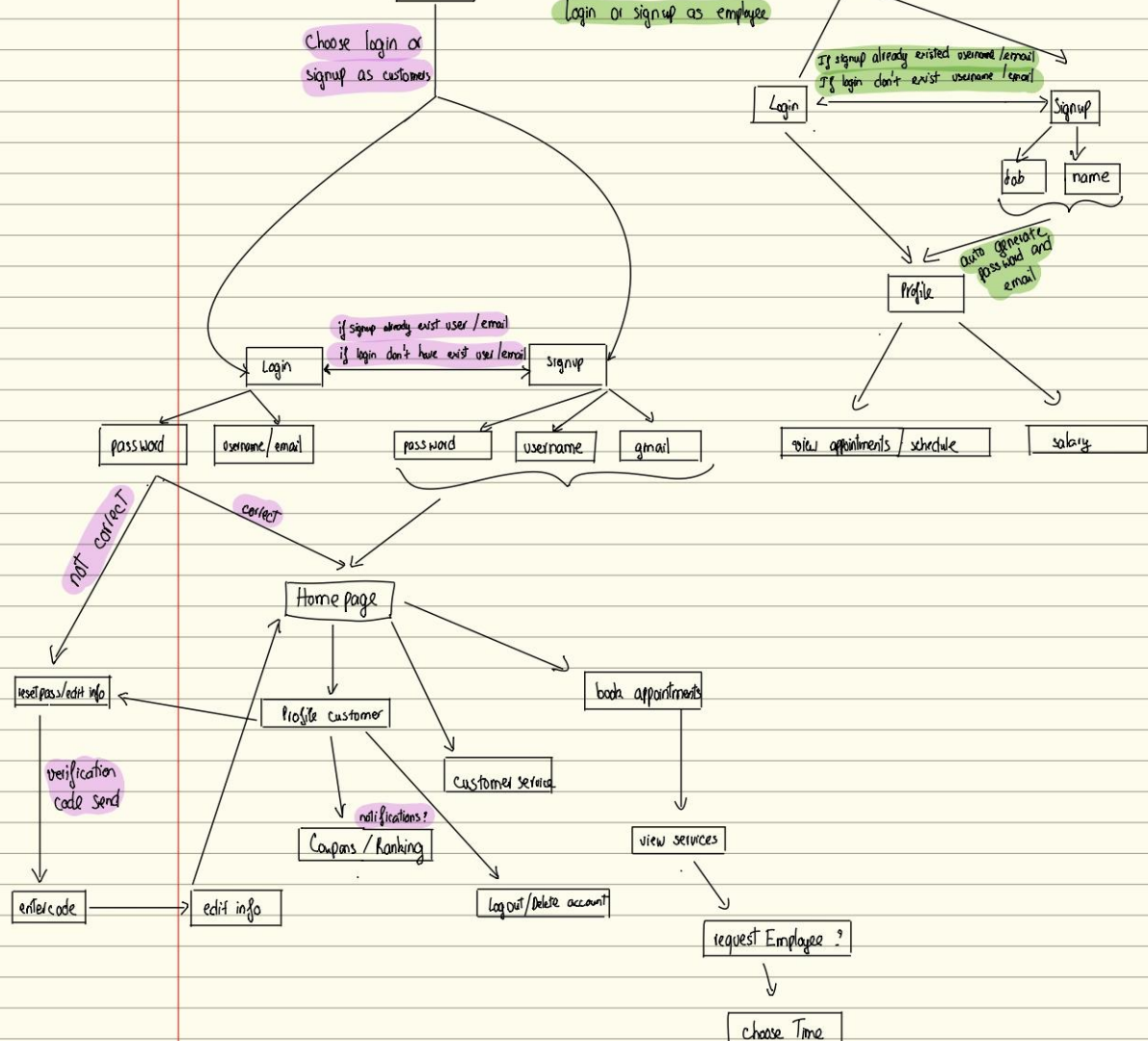
- `timeframe_id` (PK)
- `available`
- `date`
- `shift_end_time`
- `shift_start_time`
- `time`
- `employee_id` (FK)

**One to one with employee*

Screen Flow Diagram



Screen Flow Diagram (2)



1. Login: Bao

This screen is when you start the app, allows both customers and employees to log into the app. The user selects their role and logs in using email and password. Links are provided for new users and forgotten passwords.

1 and 6 are for inputting login information. After entering the information, click 2 to login. If you don't have an account, click 3 to switch to the signup screen. If you are an employee and want to log in, click 4 to toggle the role. 5 is used to initiate the "forgot password" process, which sends a verification code to reset your password. 7 is the NAILS SYNC app logo at the top of the screen.

1. Email Input Field

2. Login button

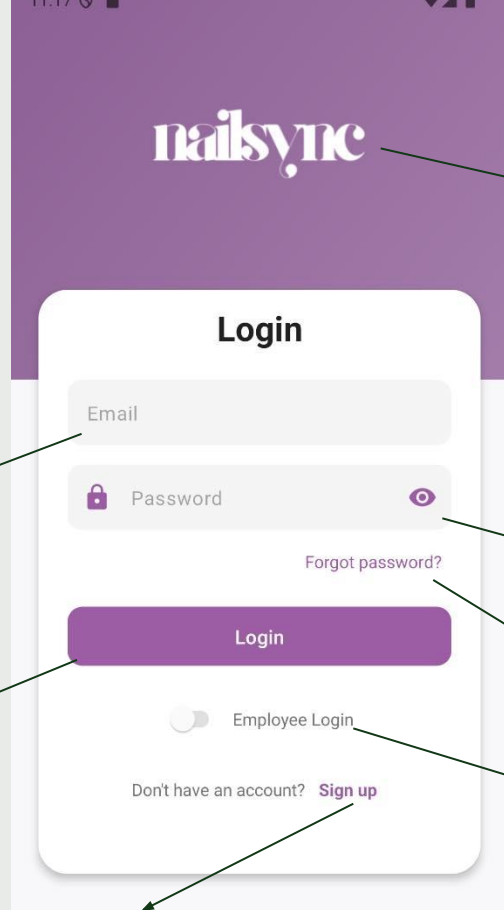
3. Signup Link
(Redirect to Signup
Screen)

7. App logo
NAILS SYNC

6. Password
Input Field

5. Forgot
Password
Link

4. Role Selector
(Customer or
Employee)



2. Signup: Bao

If you already had an account and switch to signup, then it will appear this screen. Allows new customers or employees to create an account by filling in basic information. Password confirmation ensures accuracy. Role selector identifies the type of user.

2 to 6 are fields for entering personal and account information. Choose your user type using 1. Click 7 to complete the signup process. If you already have an account, click 9 to return to the login screen, and 8 is optional to signup with Google

The image shows a mobile app interface for creating an account. At the top is a purple header with the 'nailsync' logo. Below it is a white card titled 'Create an Account'. The card contains a toggle switch for 'Sign up as Employee', followed by input fields for 'Username', 'Email', 'Date of Birth', 'Password', and 'Confirm Password'. Each field has a purple lock icon on the left and a purple eye icon on the right. Below the password fields is a purple 'Sign Up' button. Underneath the button is a separator line with the text 'Or sign up with'. Below this is a button with the Google logo and the text 'Sign up with Google'. At the bottom of the card, there is a link that says 'Already have an account? Log in'. Numbered arrows point to various elements: 1. Role selector (toggle switch), 2. Name input (Username field), 3. Email Input (Email field), 4. Date of birth Input (Date of Birth field), 5. Password input (Password field), 6. Confirm password Input (Confirm Password field), 7. Signup button (Sign Up button), 8. Signup using google (Sign up with Google button), and 9. Back to login link (Log in link).

1. Role selector

2. Name input

3. Email Input

4. Date of birth Input

5. Password input

6. Confirm password Input

7. Signup button

8. Signup using google

9. Back to login link

3. Dashboard: Phong

The dashboard is the central screen a user lands on after logging in. It provides quick access to all key features: appointment booking, upcoming appointments, available coupons, trends, and communication tools. It also gives the user a personalized overview and shortcuts to navigate the app.

1 greets the user and introduces the main features. 2 is the primary action for customers to book a new appointment. If they want to see existing appointments, 3 and 10 both link to appointment history. 4 displays any available offers or coupons, and 5 shows current nail style trends to engage the user. To explore more, use 6 to view the full list related to offers or styles. 7 opens the profile screen. 8 leads to the customer-employee messaging system. 9 allows users to search for nail styles or services using a built-in browser or search function. 11 returns the user to the main dashboard if navigating from another tab.

1. Introduction

2. Book appointment button

3. View appointments

4. Coupons/ offers

5. Current trending styles

11. Dashboard button

nailsync

Trust the Professionals for
Perfect Nails

Hello, Jacob Dang!

Pamper yourself with our premium nail care services

Services

View All

6. View all buttons properties



Book Appointment

Schedule your next nail session



My Appointments

View and manage your bookings



Special Offers

Get amazing discounts! Use code: WELCOME20



Nail Styles

Explore trending designs for inspiration

10. My appointments

9. Web searching button

8. Message/ Inbox button

7. Profile button



Home



4. Services: Phong

When you click on book appointments, it will displays all the available services in the nail salon. Customers can filter and sort through them and mark their favorites for easier future booking.

Use 1 to 7 to choose services you want to book today. Click 8 to continue the process of booking appointment. Use 9 to go back dashboard screen.

1. Polish service button

2. Acrylic service button

3. Pedicure service button

4. Extra services button

Choose a Service

Select one to continue



Polish Change

Quick nail refresh



Gel Builder

Strong and flexible



Solar Acrylic

Durable and stylish



Manicure

Natural nail care



Pedicure

Toe nail care



Dipping Powder

Long-lasting color



Extras

Add-on services

5. Gel service button

6. Manicure service button

7. Dipping service button

8. Next button

5. Nail Artists: Jacob

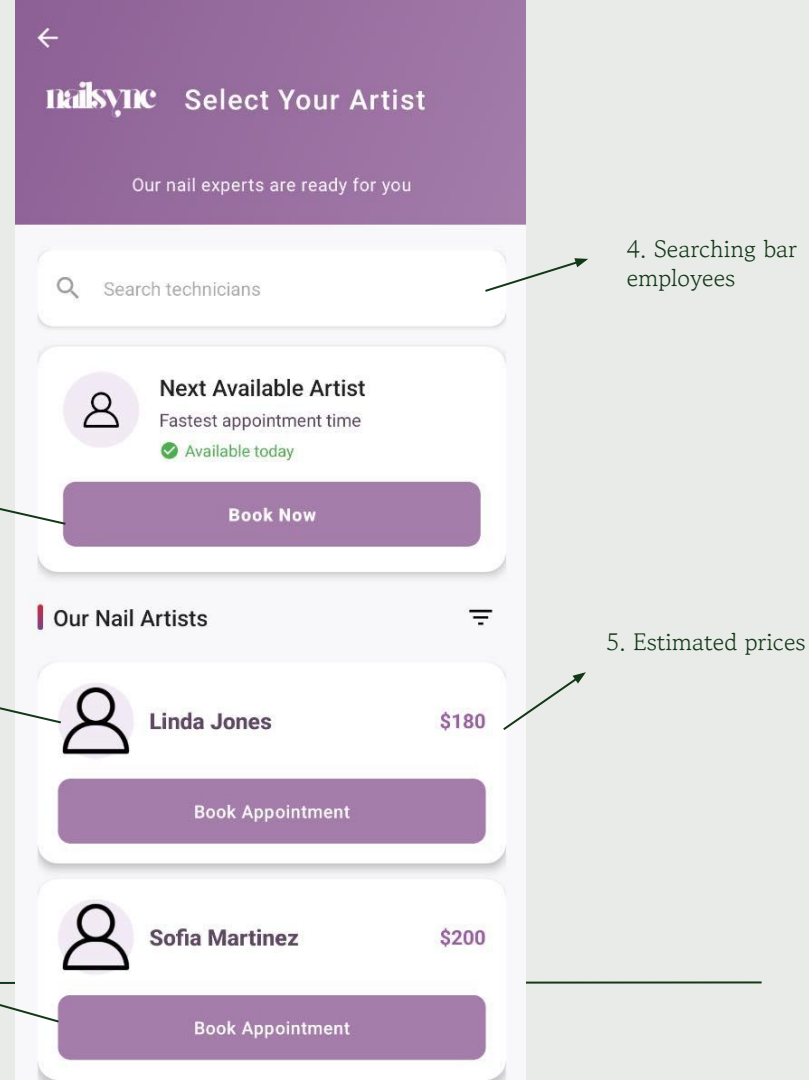
This screen allows customers to explore and search for available nail artists (employees). It shows essential information about each artist, such as their name, price range, and provides direct access to book an appointment with the one they choose. It gives both a general and specific way to make a booking.

1 lets users proceed to the standard appointment booking flow without selecting a specific employee. 2 shows the name of each nail artist, typically in a list or card format. 3 is a shortcut button that initiates the appointment booking flow with the selected employee pre-filled. If the user wants to search for a specific employee or skill (like acrylics or gel), they can use 4. 5 displays the estimated price range for services offered by each employee to help the user decide whom to book with.

1. Book appointment button

2. Name of the employee

3. Book appointment with that employee button



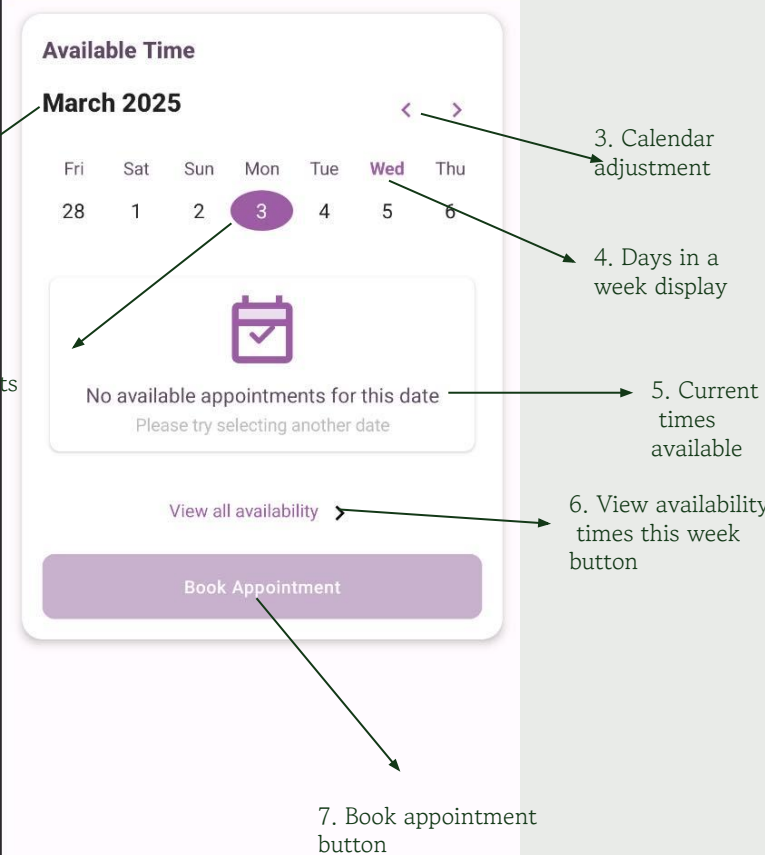
6. Date appointment: Jacob

1. Current month and year display to book appointments

This screen allows users to select a specific date and time for their nail appointment. It provides a calendar-style interface to help customers find a convenient booking slot based on availability and desired timing.

1 shows which month and year the calendar is currently displaying. 2 lists all the dates that the user can select for booking. Use 3 to move forward or backward between months to find a future or past date. 4 helps users stay oriented with the days of the week when browsing the calendar. Once a date is selected, 5 displays the current open time slots available for that day. 6 can be clicked to quickly view all available time slots for the entire current week. After selecting a date and time, click 7 to finalize the appointment and proceed to the confirmation screen.

2. Date display to book appointments



7. Customer's profile: Jordan

The "My Profile" tab displays information associated to the customer's account. The three main snippets of information include the user's profile picture, username, email, phone number, and location. In this tab, customers can also edit account information, logout, or delete their account using a verification code (authentication to prevent accidental deletion).

Labels 1, 3, 4, and 5 display account information and are editable field when the user chooses the the *Edit Profile* button (2). When the user confirms to edit their changes, they are sent a code that is used to authorize changing that data, whether it be their username, email, or password.

Label 6 is the logout button, used to sign out of the account and return to the login screen. When this function is called, the email the user logged in with is cached and automatically sent by intent to the to make signing in easier.

Label 7 is the button for deleting your account.

Label 8 is the back button to return to the previous screen or the dashboard.

1. Profile Picture

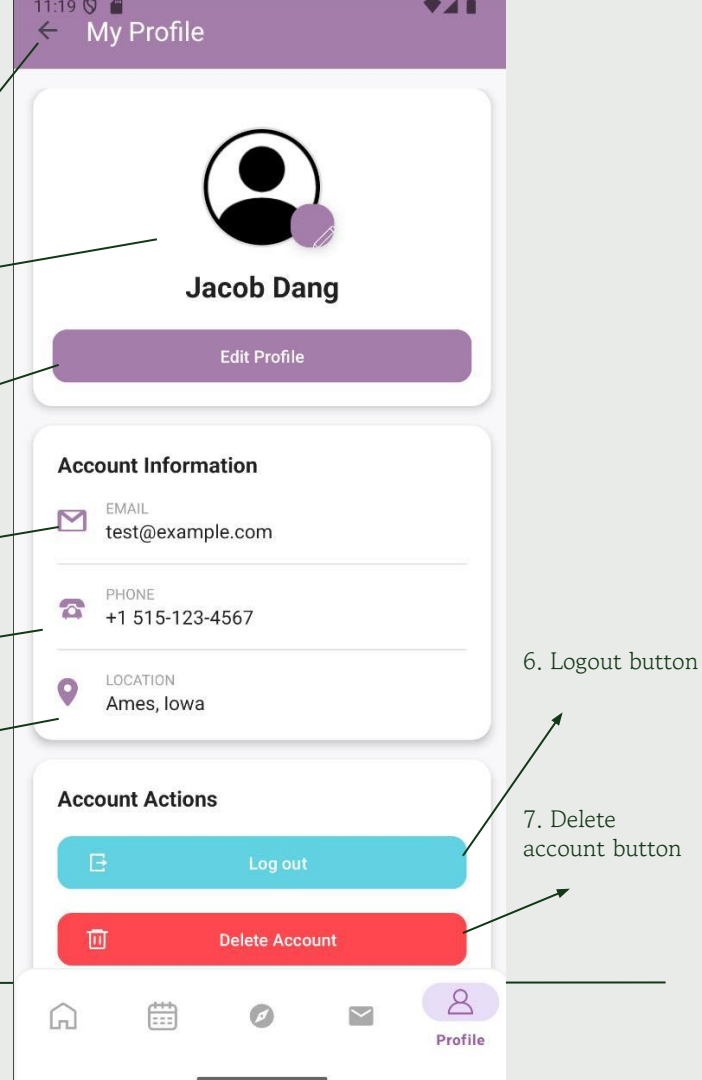
2. Edit info button

3. Email

4. Phone number

5. Location

8. Back button



8. Edit information: Jordan

This screen is a sub-activity of the user profile page and allows the user to securely update information related to their profile such as their username, email, and password. To enhance security (and implementing 2-Step Verification), a verification code is sent to the user's email and must be entered before changes can be saved.

Label 1 is the title or header that shows the user is in edit info mode.

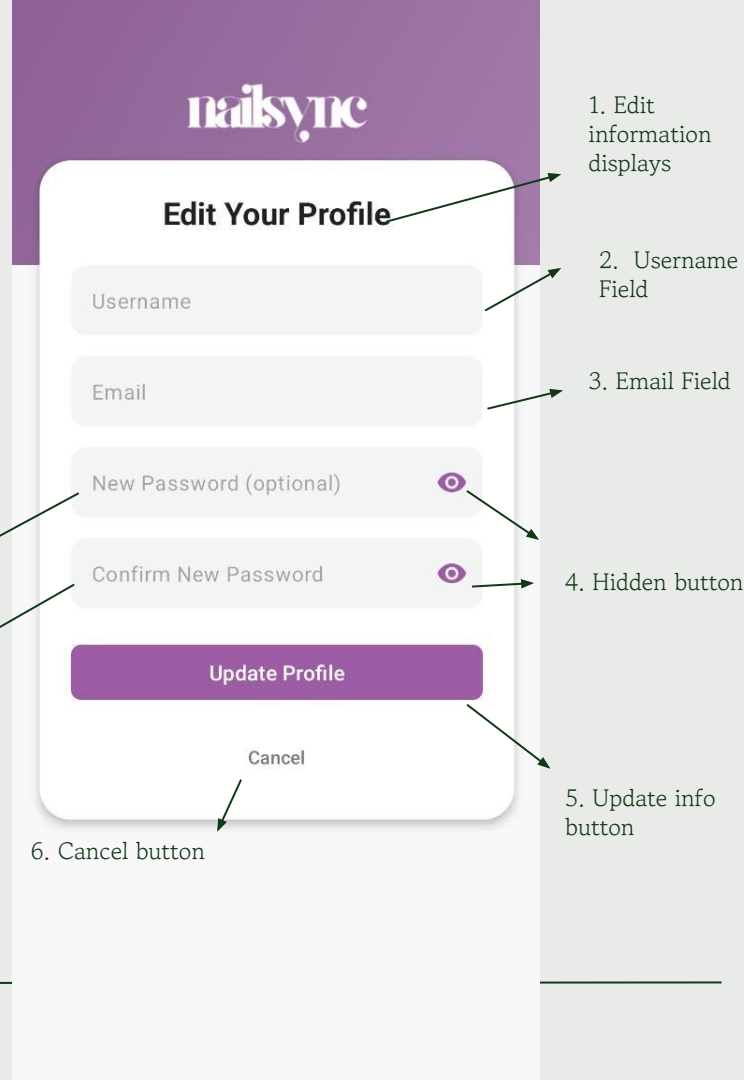
Labels 2 and 3 are the editable input fields where users can change their name and email.

Label 4 is the show/hide button to show the text the user has typed as they are both password fields.

When the user is done editing, label 5 (the update profile button) should be pressed to save changes, otherwise label 6 to discard changes and go back.

Optionally, if the user wants to change their password, they should use labels 7 and 8 to enter and confirm a new password. When label 5 (update profile) is pressed, user must enter a verification code.

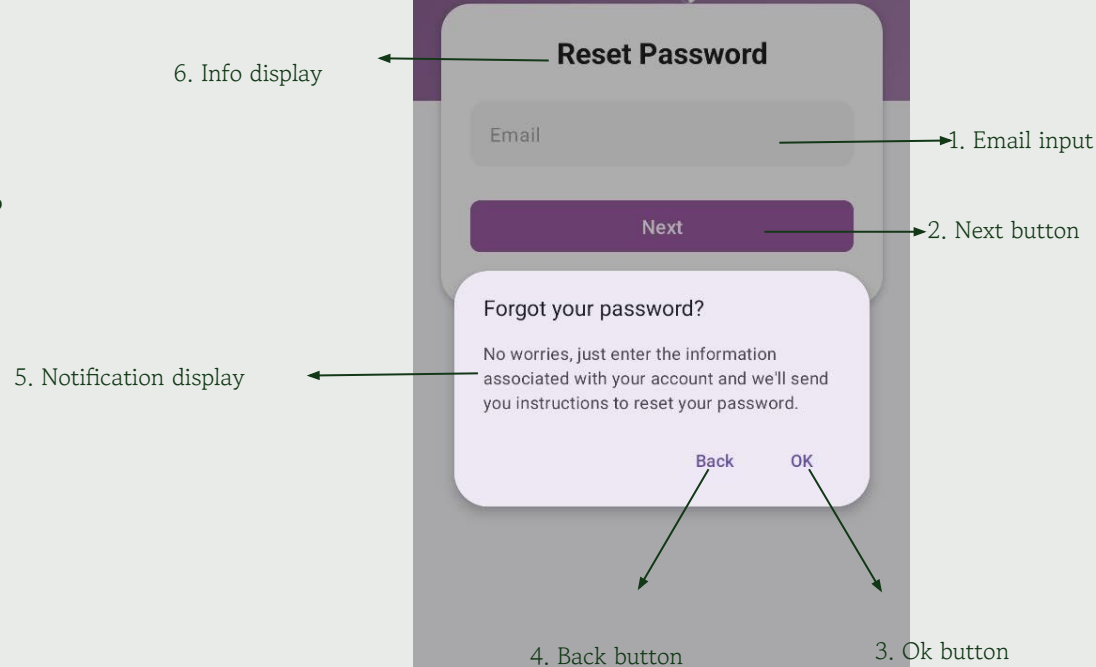
7. New password field
8. Confirm new password field



9. Reset password screen: Bao, Phong

After you clicked forgot password on login screen, it will appear this screen. This screen allows users who have forgotten their password to initiate the password reset process. By entering their email, they will receive a verification code or reset instructions. It's designed to provide a secure and user-friendly way to recover access to their account.

1 is where the user inputs their registered email address. After entering the email, click 2 to proceed to the next step (e.g., sending the verification code or redirecting to a verification screen). 5 displays a notification for reset password. Once the user sees the notification, they click 3 (OK) to continue or acknowledge the message. If they want to exit this screen and go back to login or another section, they click 4. 6 is the title or header that shows the user is in reset password mode/ screen.



10. Verification screen: Jacob, Jordan

This screen is used when users need to verify their identity after attempting to do a protected action or feature such as resetting the password, editing sensitive information, or deleting their account. A 2-digit verification code is sent to their email, which they must enter in the provided box to allow the action proceed and finalize. This method of 2-Step Verification enforces application security and protects user data from unauthorized or unwanted changes.

Label 1 is the field where the user types in the 2-digit verification code they received.

Label 2 is the button the user presses to confirm and verify it with the server.

Label 3 is a prompt that notifies the user what action they want to confirm/verify and proceed with (context). To clarify, the message displayed (3) will be different when the user attempts to delete their account, edit their information, or reset their password. Label 4 is pressed to dismiss this prompt and continue with entering the code. Provided on the right is an example for Account Deletion. Labels 5 and 6 are back buttons that share the same purpose—where 5 is to immediately dismiss the prompt (3) and return to the previous screen and 6 for redundancy if the user changes their mind.

