



NATIONAL UNIVERSITY OF MODERN LANGUAGES ISLAMABAD  
UXD Project Presentation

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Class, Section	5 <sup>th</sup> Sem	Subject	HCI
Roll No.	SP-23-712	Batch	2023 - 2027

Assigned Topic/Project Title: Smart Home Appliances Control App  
Details (with Figma link):  
[https://www.figma.com/design/MDJ3SUXIRvA06DewLigHZI/smart\\_Home\\_control\\_App?node-id=0-1&t=YWlltRYKYvmhjuyp-0](https://www.figma.com/design/MDJ3SUXIRvA06DewLigHZI/smart_Home_control_App?node-id=0-1&t=YWlltRYKYvmhjuyp-0)

Smart Home Control Interface - Home Sync

This project report provides a detailed walkthrough of the user interface of "Home Sync", a mobile application designed to control smart home devices. The app enables users to manage lights, fans, ACs, doors, and other appliances from their mobile devices. This document includes a screen-by-screen explanation of the app's interface with a focus on user interaction flow, purpose, and functionality. Each screen is analyzed as part of the larger workflow to understand how users navigate and control their smart homes efficiently.

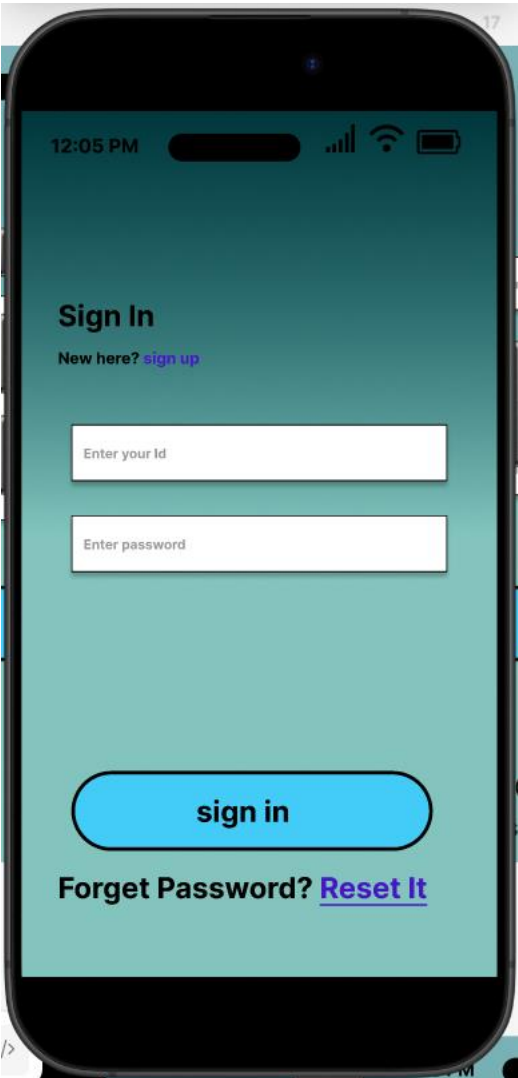
## 1. Splash Screen

This is the welcome screen of the Home Sync application. It features the app logo and tagline, offering users a 'Get in' button to start. This screen sets the tone and leads users to the login page.



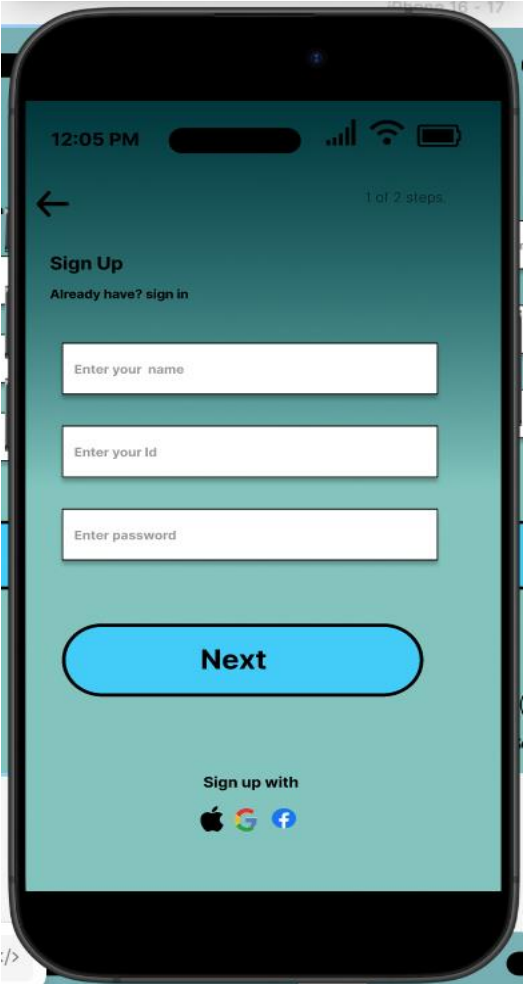
## 2. Sign-In Screen

Users input their email and password to sign in. It includes a 'Forgot Password?' link for recovery. After login, users are directed to the welcome dashboard.



### 3. Sign-Up Screen

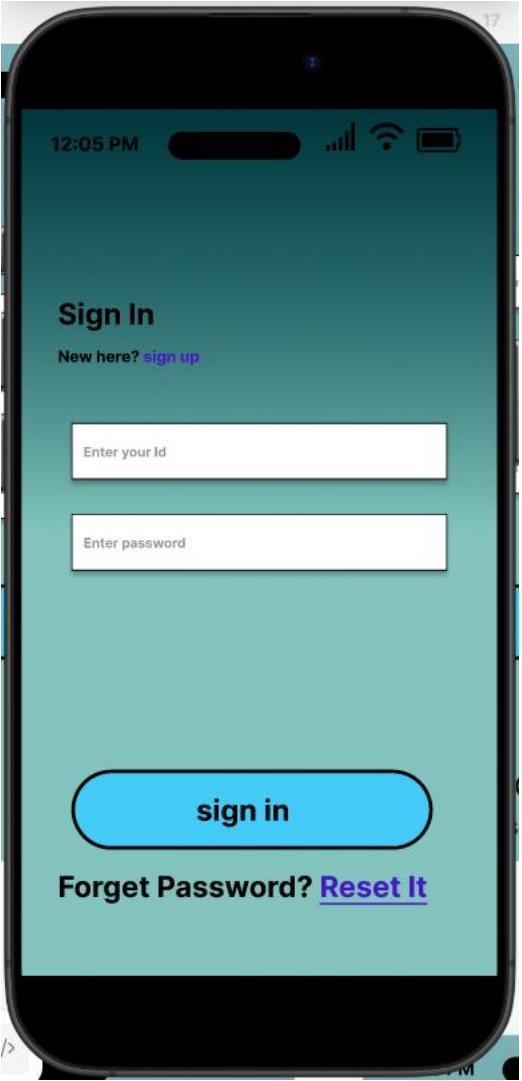
New users register by entering their full name, email, and password. After clicking 'Next', users proceed to verification.



### 4. Forget Password

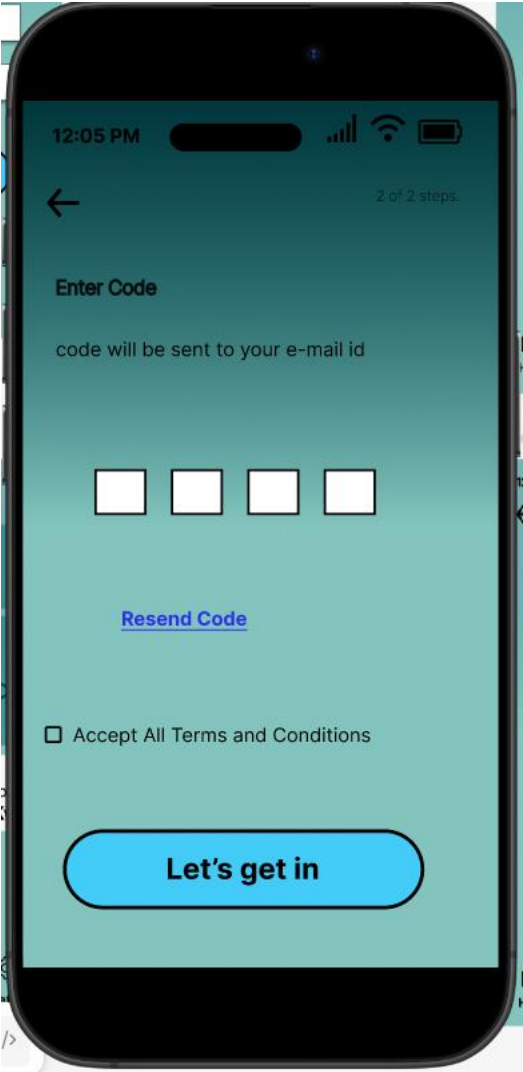
An alternate version of the login screen with a different UI layout but the same functionality—used for visual variety or theming.

#### Reset Password



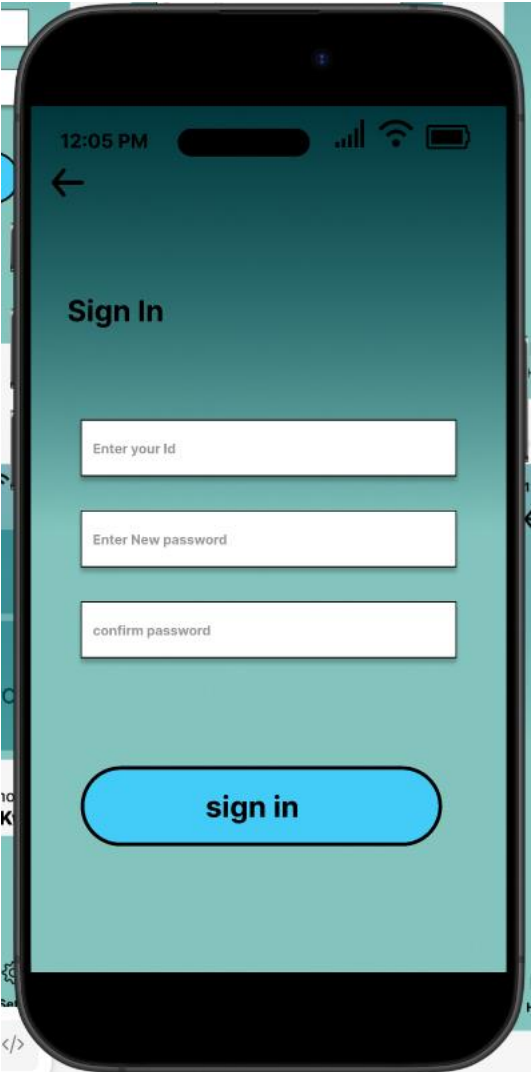
### 5. Verification Code Screen

Users input a 4-digit code received via email for verification. Once verified, the user can proceed to update password or access the dashboard.



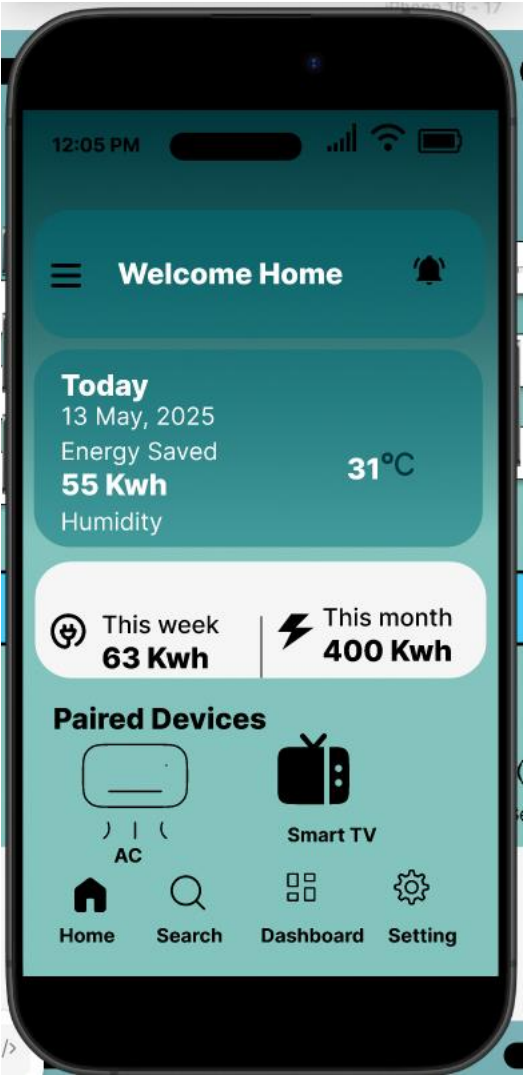
### 6. Update Password

This screen allows users to set or reset their password securely. It ensures users confirm their new password before proceeding.



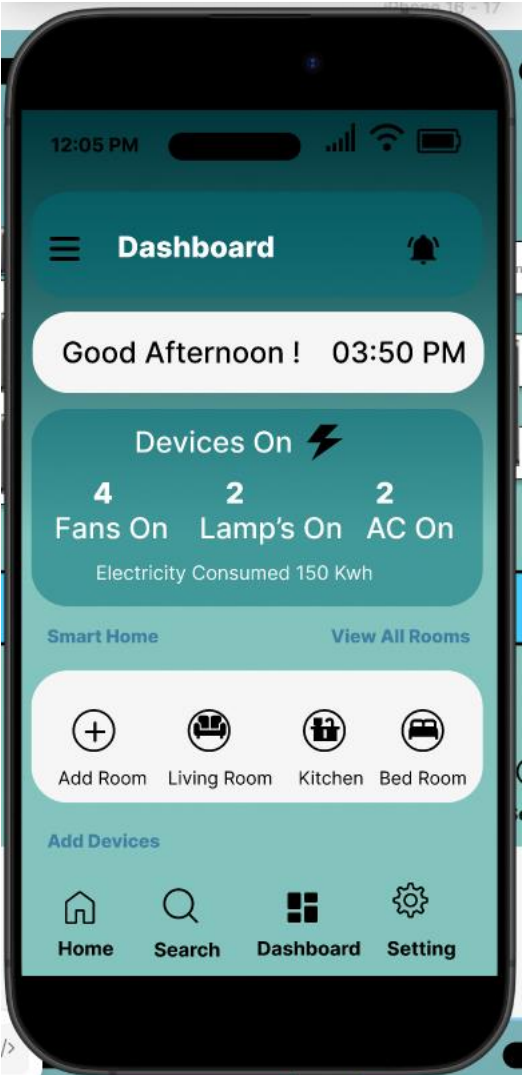
### 7. Welcome Screen / Home Status

This home screen displays the current weather, date, travel data, and paired devices. It acts as a hub summarizing key home statistics and directs users to the main dashboard.



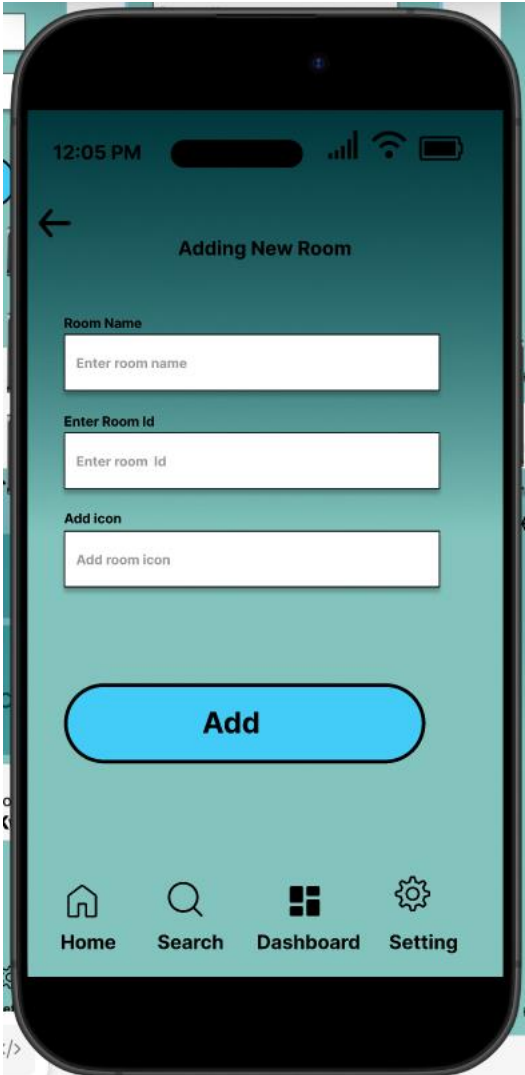
### 8. Main Dashboard

Displays device statuses like fans, lamps, and ACs. Users can monitor and navigate to device settings or specific rooms from here. It's the central point after login or registration.



### 9. Add Room Screen

Allows users to input room names and add new rooms. Users tap 'Add' to save the room, which then appears in the room category list.



### 10. Room Categories

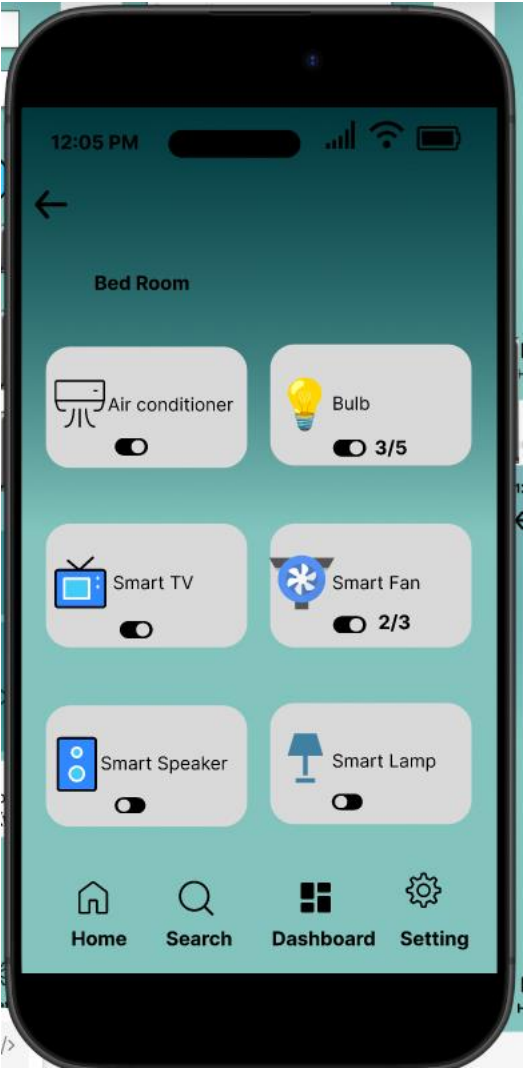
Shows a list of all added rooms. Tapping a room (e.g., Living Room, Bedroom) takes users to that room's overview with device-specific controls.



11. All Devices

A complete list of all smart devices paired with the app. Includes lamps, ACs, doors, washing machines, Wi-Fi routers, and more. Users can monitor or tap to configure each device.

Users can interact with each device directly from here.

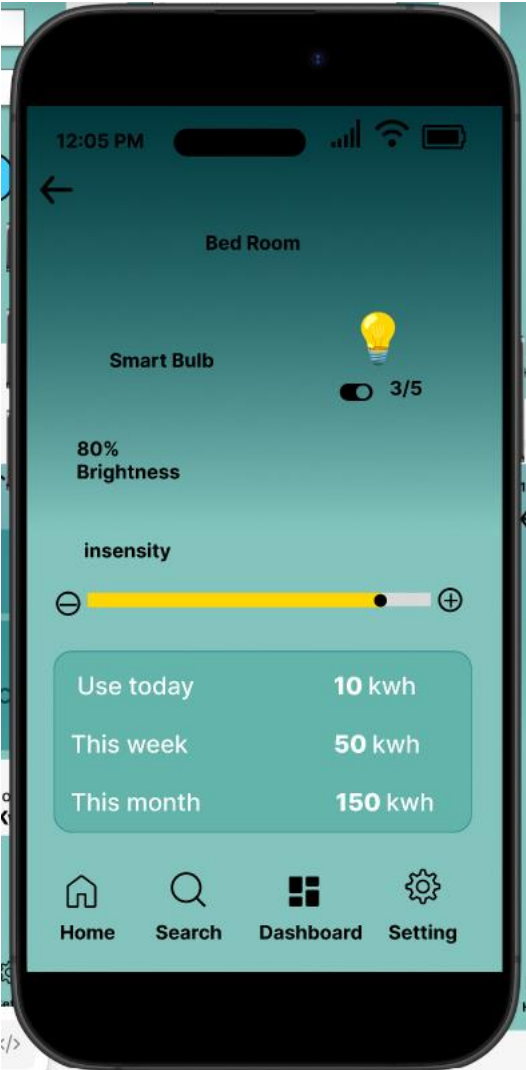


12. Room Overview (Bed Room)

Detailed view of the Living Room. Includes temperature control, device toggles (lamp, fan, AC), and room icon.

Detailed about device(Smart Bulb)

Energy Consumption by Device for week, month And that day .



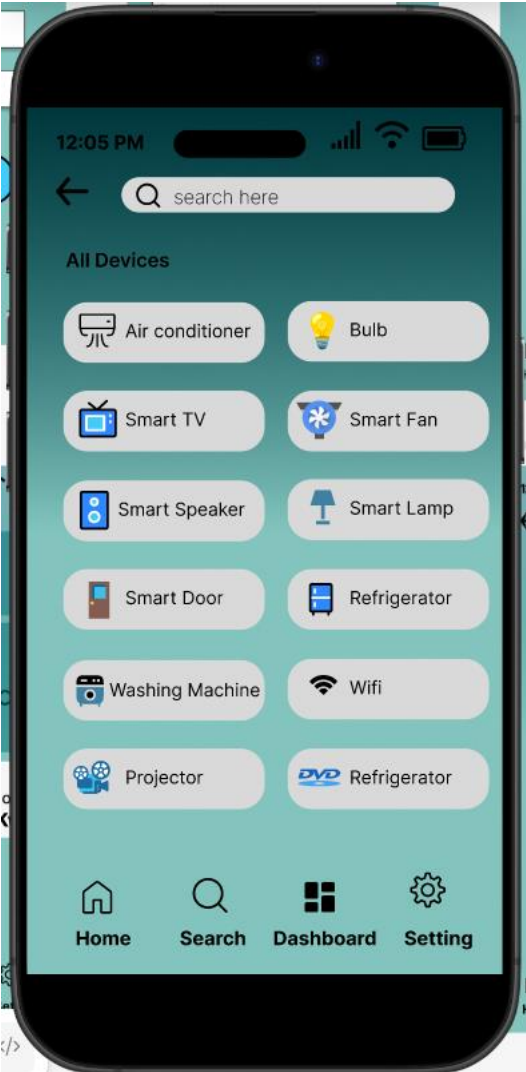
13. Room Overview (Living Room)

Similar to the Bad Room view, with extra focus on climate control like humidity. Also includes device toggles and live stats for the room.



14. Add Devices

Lists smart devices available for pairing. Users can select a device and proceed to connect it to a room or control panel.





15. Search Devices

Provides a search function where users can look up devices by name or category for quicker access or troubleshooting.

First Connect the Device with Internet then search it by name .



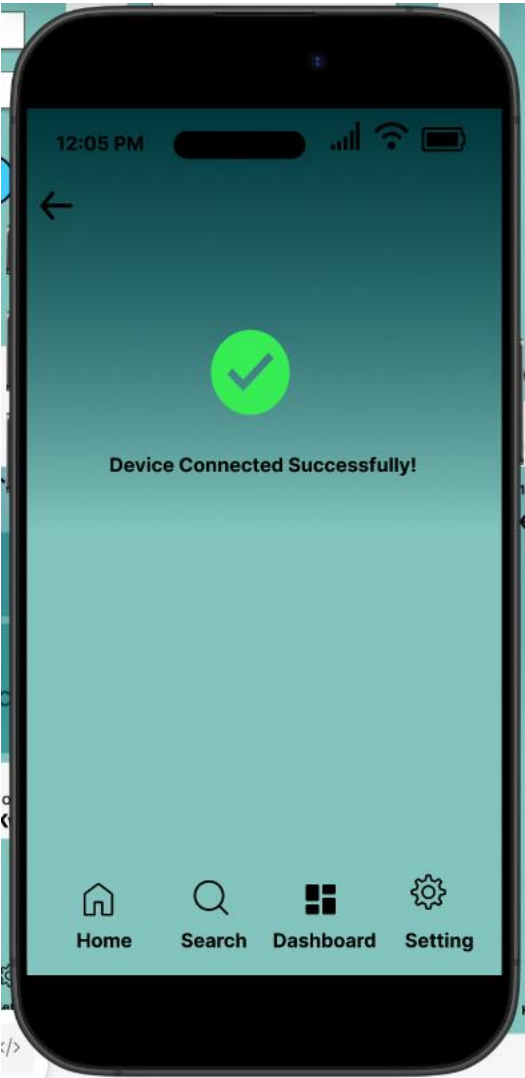
16. Pairing Device Process

Animated screen indicating that a device is in the process of pairing. Ensures users stay informed during setup.



17. Pairing Successful

Confirmation screen with a checkmark. Indicates the device has been successfully connected and is ready for use.



18. Settings

Setting menu for managing app preferences, account details, privacy options, and general configurations.

