Evoke Diffuser Application
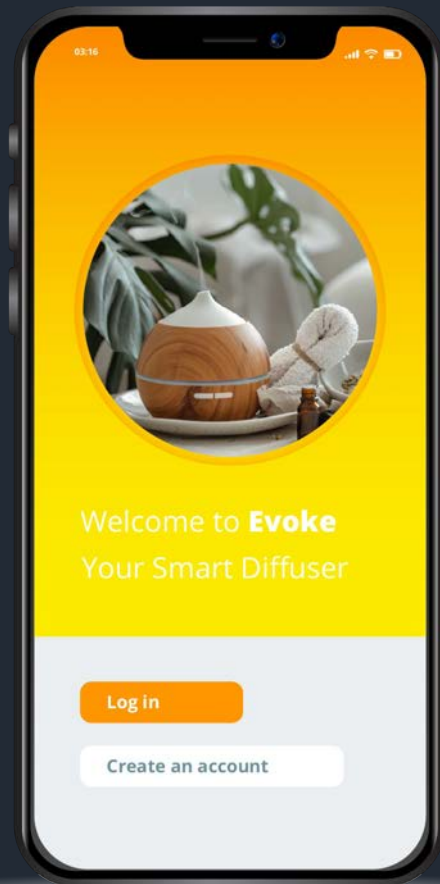
An Application that designed to evoke longing memories and positive emotions, relieve stress, and promote mental health.

Tools Used

My Process

Here is how I approached this project

PACT analysis	User interface design	Testing	Improving user experience

Target Audience

Age Group – 18 to 35 years International students, especially those who value quality of life and living environment

Features & Functionalities

There are eight main functions, aimed to assist users in utilizing the smart diffuser to establish an optimal home atmosphere and enhance both physical and mental well-being.

Evaluation & verification

Create a set of digital prototypes for "*Evoke* Diffuser App" and use them to conduct user testing of the App design to ensure that it meets specified requirements, and collect user suggestions for subsequent improvements.

Achieving good usability

Based on user feedback, identify any potential usability issues in the wireframes and propose solutions to make the application more intuitive and user-friendly.

User persona

Wireframes

User test records

William Brown

University student & American

Age	20
Occupation	University student
Status	Single
Location	Oxford, UK

Scenario

William likes the smell of the woods and values the quality of life. When he wants to adjust his home environment, Evoke Diffuser can provide the help he needs.

Yu Zheng

Master student & Taiwanese

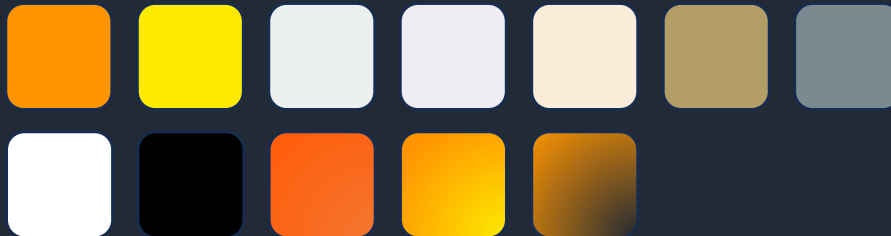|	
Age	25
Occupation	Master student
Status	Single
Location	Winchester, UK

Scenario

Yu's hometown is a city near the sea. She enjoyed walking on the beach very much. When she misses her hometown or wants to relax, Evoke Diffuser can provide the help she needs.

Design system

Colours

I'd like a color palette which felt fresh, positive and vivid.

Typography

Open Sans Regular
Open Sans SemiBold
Open Sans Bold
Open Sans ExtraBold
Open Sans ExtraBold Italic

Smart Connectivity

- Bluetooth or Wi-Fi connectivity for remote control.
- Compatibility with smartphone apps.

Multi-Room Functionality

- Capability to control multiple diffusers in different rooms.
- Synchronization of settings across multiple devices.

Customizable Fragrance

- Built-in multiple scents, compatible with a variety of essential oils.
- Programmable scheduling for automatic diffusion at specific times.
- Ability to detect, store and reproduce environmental odors

Adjustable Humidifier

- Variable mist intensity settings for different room sizes or user preferences.
- Programmable scheduled time to automatically turn on.

Air Quality Monitoring

- Built-in sensors to monitor and display air quality.
- Automatic adjustment of diffusion based on air quality readings.

LED Lighting Options

- LED lights with adjustable colours for ambiance.(warm to cool colours)
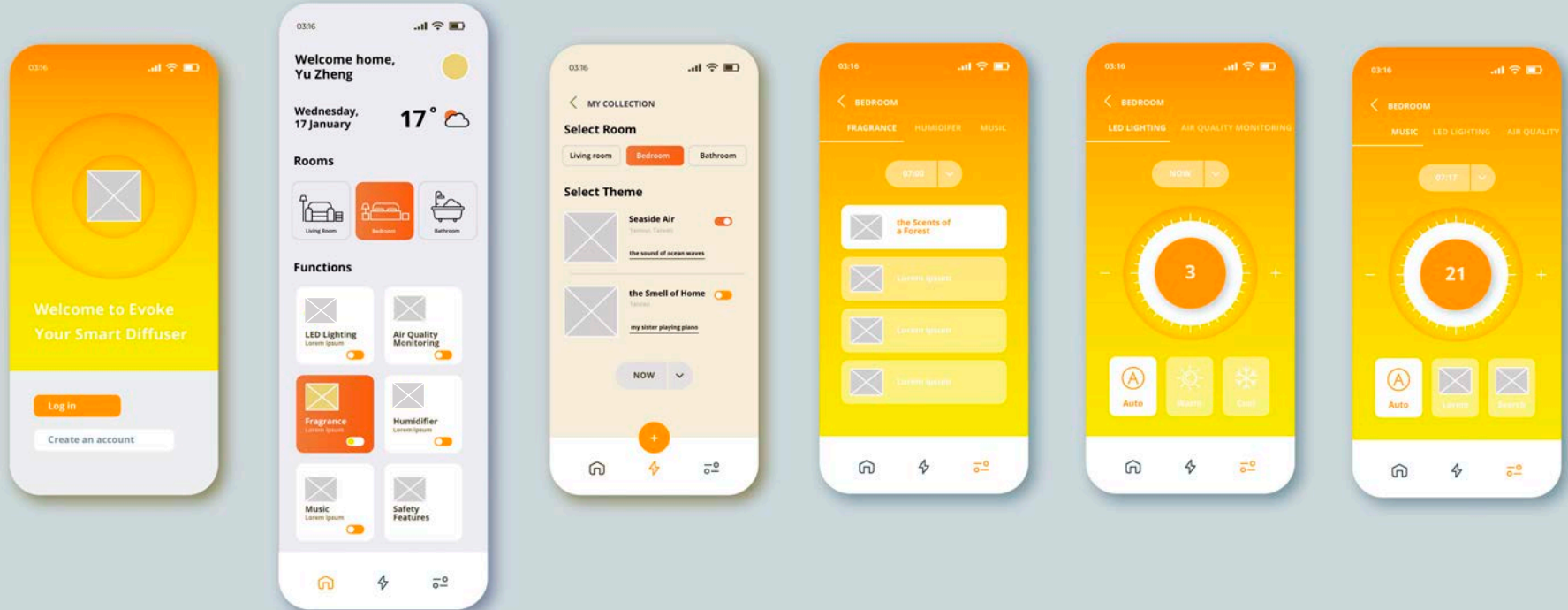- Programmable scheduled time to automatically turn on.
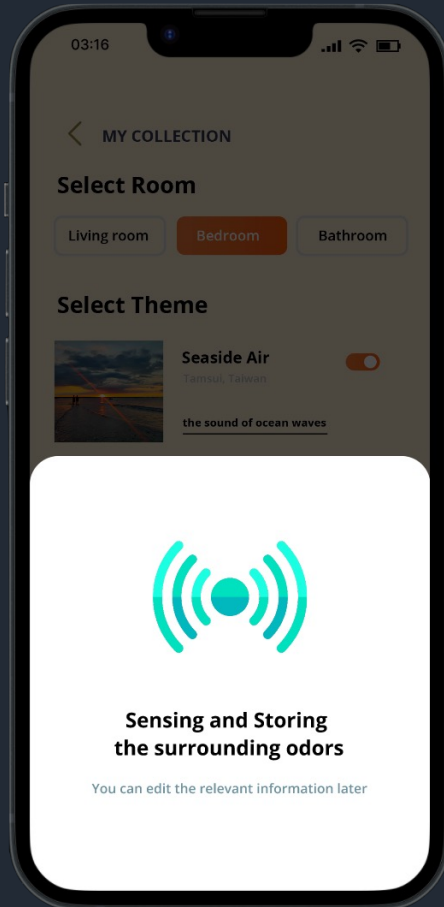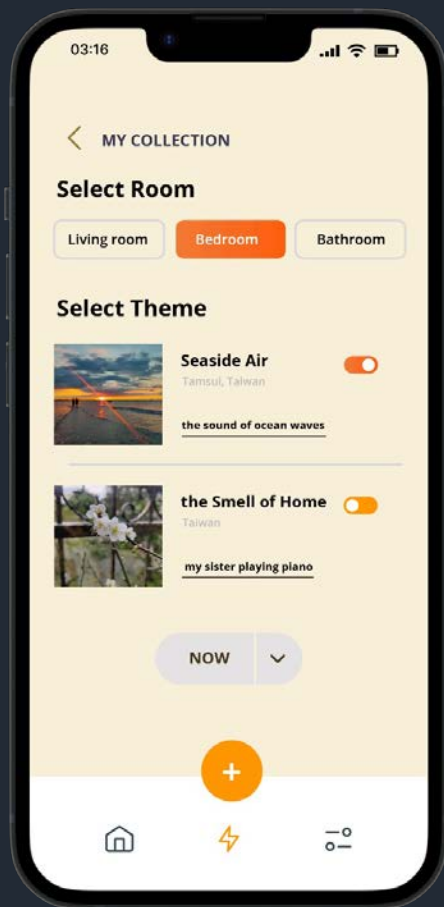
Background Music Functionality

- Volume control, AI automatic recommendation and search function within the diffuser app.
- Programmable scheduled time for automatic playback.

Safety Features

- Automatic shut-off when water levels are critically low.
- Overheat protection for safe operation.
- Notifications for low water levels or when maintenance is required.

Wireframe

Selling Point

Collect and reproduce environmental smells and awaken memories

Research shows that smells can jog memories. The first impression produced by the sense of smell is the longest initial memory that the brain can preserve.

I believe that if this kind of smell memory is used properly, it can create more positive moods in people's lives and even help improve mental health.

For international students, it is not easy to maintain mental stability and health by living and studying in a distant country alone for a long time.

If I could have such a smart Diffuser, which could provide me with the scent memory of longing in my daily life, I think it would be a kind of comfort and help.

User Test Record

Prototype in Figma