DoreMate

Target users: International students in the UK

App Objectives: Manage common devices in dormitories through smartphones, optimize daily use experience, and improve efficiency.



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INSPITATION

In winter, the room's temperature needs to be adjusted to a comfortable level. However, the temperature control machine is not very smart and cannot adjust to a comfortable level. The temperature rises, and the room becomes warm, but the humidity drops, causing the environment to become uncomfortable.

Core Concepts Device Selection: Multifunctional heater devices in dormitories

• Reasons: Many international students must adjust the temperature and environmental quality according to weather and air quality. Combining this device and a smart app can simplify the use process and avoid manual settings and tedious operations.

 Innovation: Remote control, scheduled operation, and real-time environmental feedback data can be achieved through smartphones.

PACT

People: International students in the UK, Mainly aged 18-30, mostly college students or postgraduates. Language requirements: Multi-language support. Familiar with smartphones and standard apps but limited knowledge of device operation. Highly dependent on smart devices, pursuing convenience and efficiency.

Activities: Device remote control: adjust the temperature, purification mode, and wind speed time. Real-time monitoring: View indoor temperature, humidity, air quality, and other data. Energy saving optimization: Optimize operation plan according to AI suggestions.

Context: Indoor use: the environment is relatively quiet. Usually located in dormitories or similar living environments. Network environment: Wi-Fi stability is relatively high. I need to adapt to students from different cultural and language backgrounds.

Technologies: Smart heater/air purifier combination device, supports Bluetooth or Wi-Fi connection. Built-in sensors: detect temperature, humidity, PM2.5, and other data. Mobile App: Supports Android and iOS



RESEARCH

Method: Questionnaire survey + user interview

39% need to adjust the dormitory temperatureonce in a while

Q 1

61% need to adjust the dormitory temperature frequently

Results:

61% of international students said they need to adjust the dormitory temperature frequently during seasonal changes.

65% of users complained about poor air quality in the dormitory, but the equipment operation was complicated or unintuitive.

55% of users complained about poor air quality in the dormitory



77% of users said they wanted to control easily

77% of users said they would like to remotely control dormitory equipment via smartphones



User requirements:

Simple and intuitive operation interface Transparent equipment monitoring of energy consumption Multi-language support

Design emotional interfaces

Dynamic themes: Users can switch between different themes (such as morning mode and night mode) according to their mood or time. **Illustrations and animations**

Dynamic feedback:

Combined with the user's historical habits, provide personalized suggestions, such as: "Based on your habits, now is the best time to turn on the heater." Natural language interaction

Warm colors, such as soft blue, green, or beige, convey a comfortable and relaxing feeling, aligning with dormitory equipment management's theme.

When poor air quality is detected, send a humanized notification: "Hey, the air is a bit bad today; I suggest turning on the purification mode!"

SELLING POINT

Add friendly illustrations or personified equipment images, such as a smiling air purifier or reminder light, to create a warm atmosphere.

Provide voice assistant function, allowing users to control the device through natural dialogue, for example: "Help me turn on the purification mode and set it to 3 hours.



SKETCH



MOCKUP



 Provide personalized suggestions based on user historical habits, such as: "Based on your habits, now is the best time



The indoor temperature and humidity are automatically adjusted according to the weather of the day





TES



Parameters in the room such as the volume of music playing and the temperature can be adjusted according to the mood of the day













TEST



Link: https://youtube.com/shorts/aOrC4iqdl84