

FAMILY RITUAL AI

"Transform everyday moments into family memories."



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Subject: Product Management

Lecturer: MA. Nguyen Dang Huy Vu

CURRENT SITUATION

Generation gap

- Smart devices are gradually taking up most of family members' time.

Mechanical smart home

- Current smart home applications primarily focus on controlling devices within the home.



USER CONTEXT

Multigenerational
family

CHARACTERISTIC

Grandparents



Grandparents



Parents



Parents



Children



Children



Different daily schedules

Each person uses their own electronic device.

Little conversation, little group activity.

PROBLEM

- Fewer moments are preserved with family.
 - Lack of quality time together.
- Forget about taking care of your loved ones.
 - It's difficult to coordinate family schedules.



PRODUCT IDEA

"Family Ritual AI" is an AI application that helps create daily family rituals to increase bonding among family members.

- Strengthen family bonds
- Support in caring for loved ones
- Build positive habits
- Preserve family memories

“ Smart home controls devices
Family Ritual AI connects people



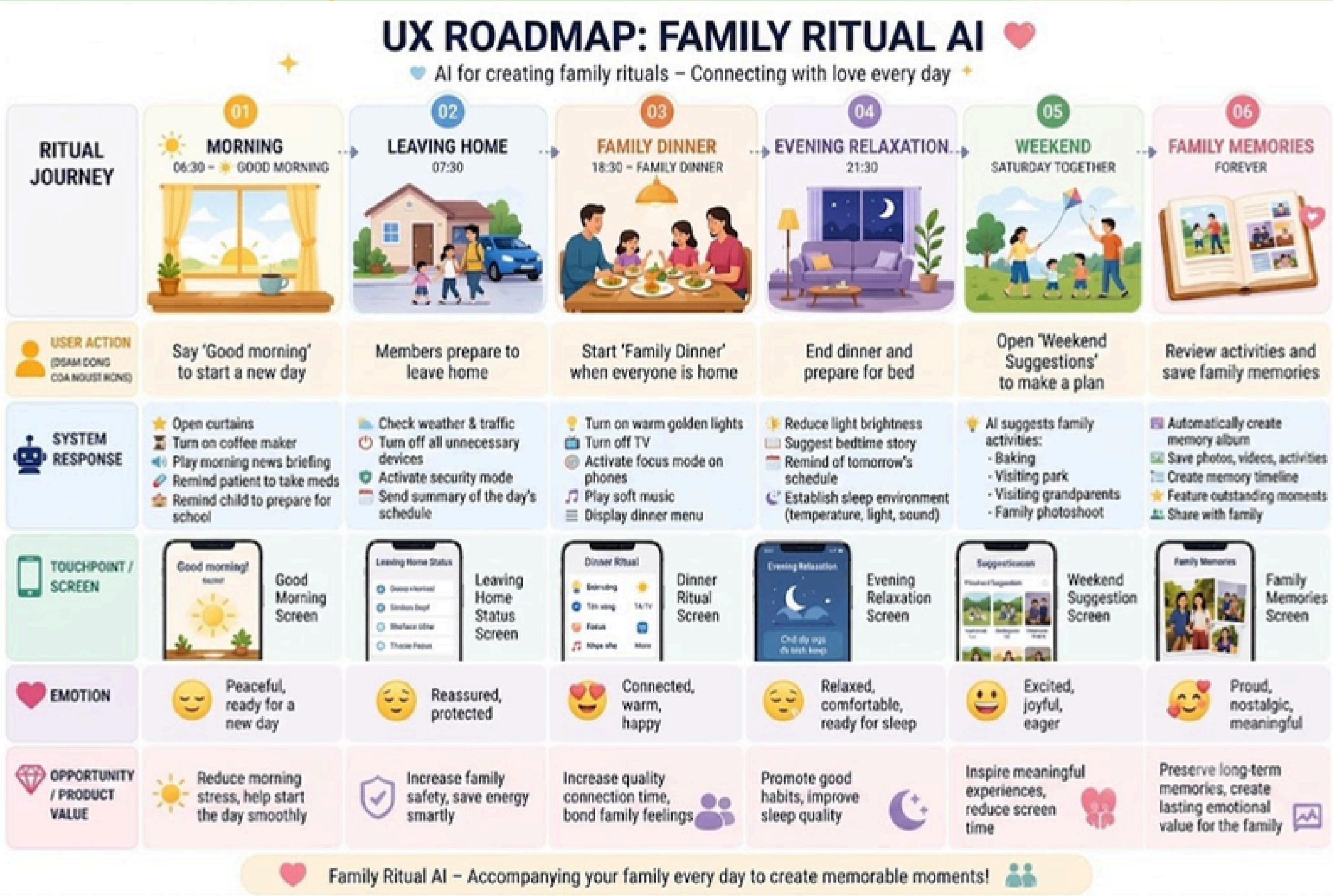
MAIN FEATURES

- Create family rituals
- Suggest suitable activities for the family based on interests and schedules.
- Preserve images and memories, create albums, and share beautiful moments.
- Remind people to take medication, check important appointments and events, and manage their health and schedules.

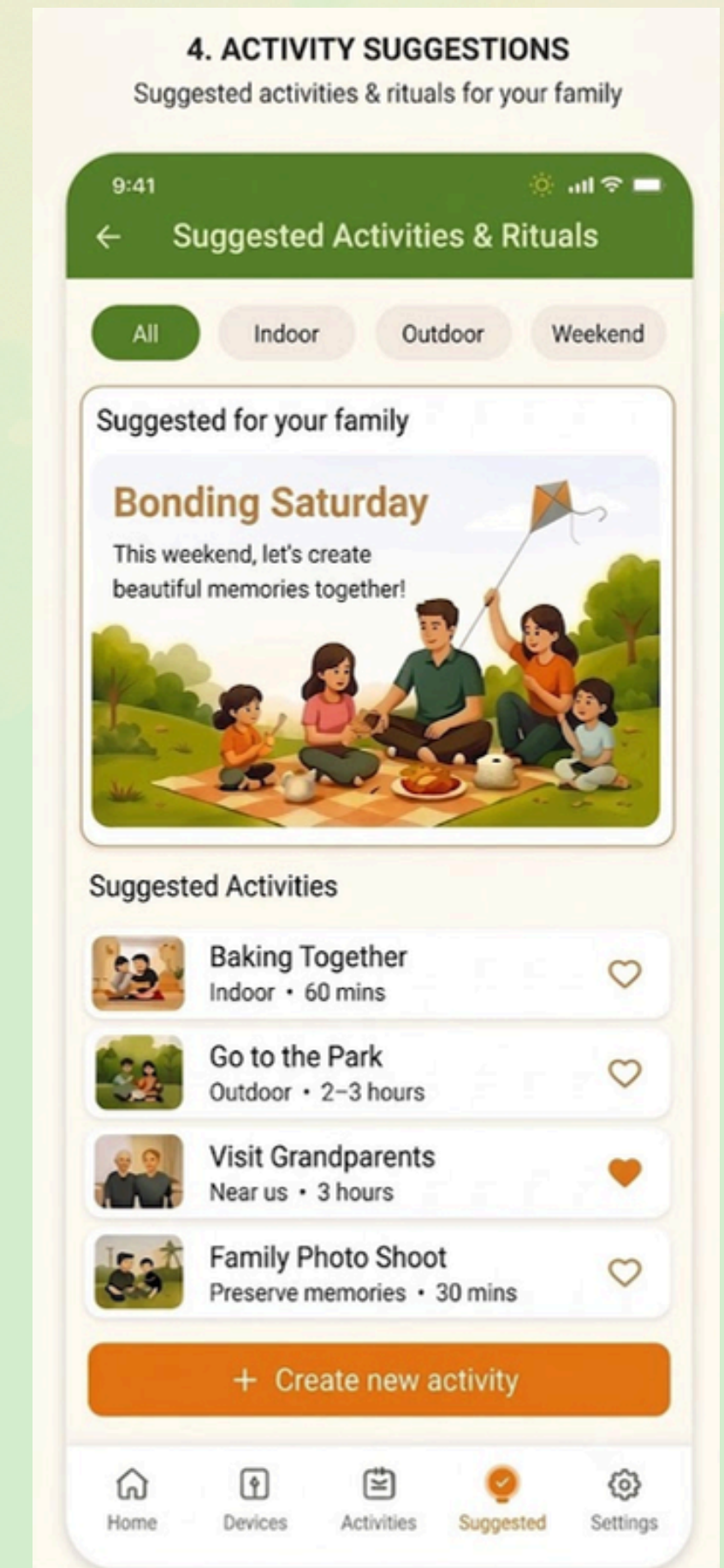
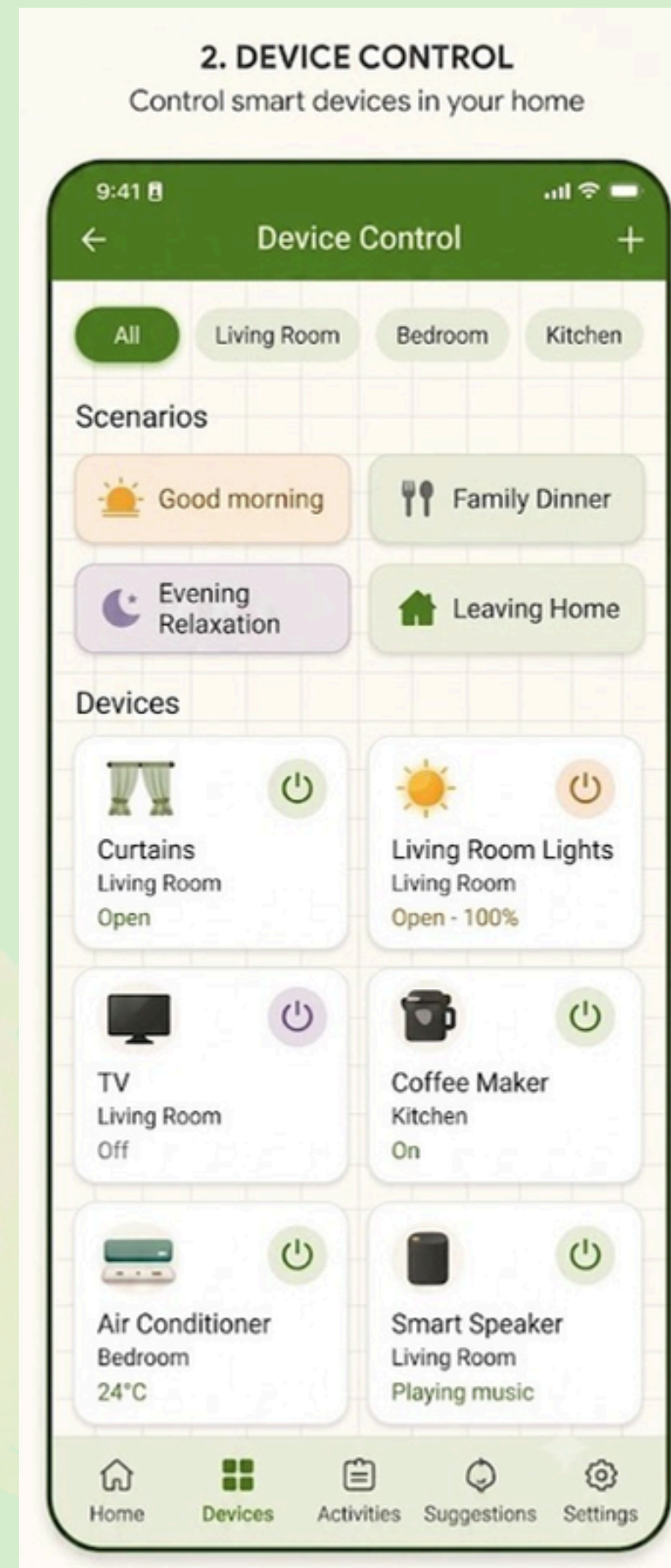
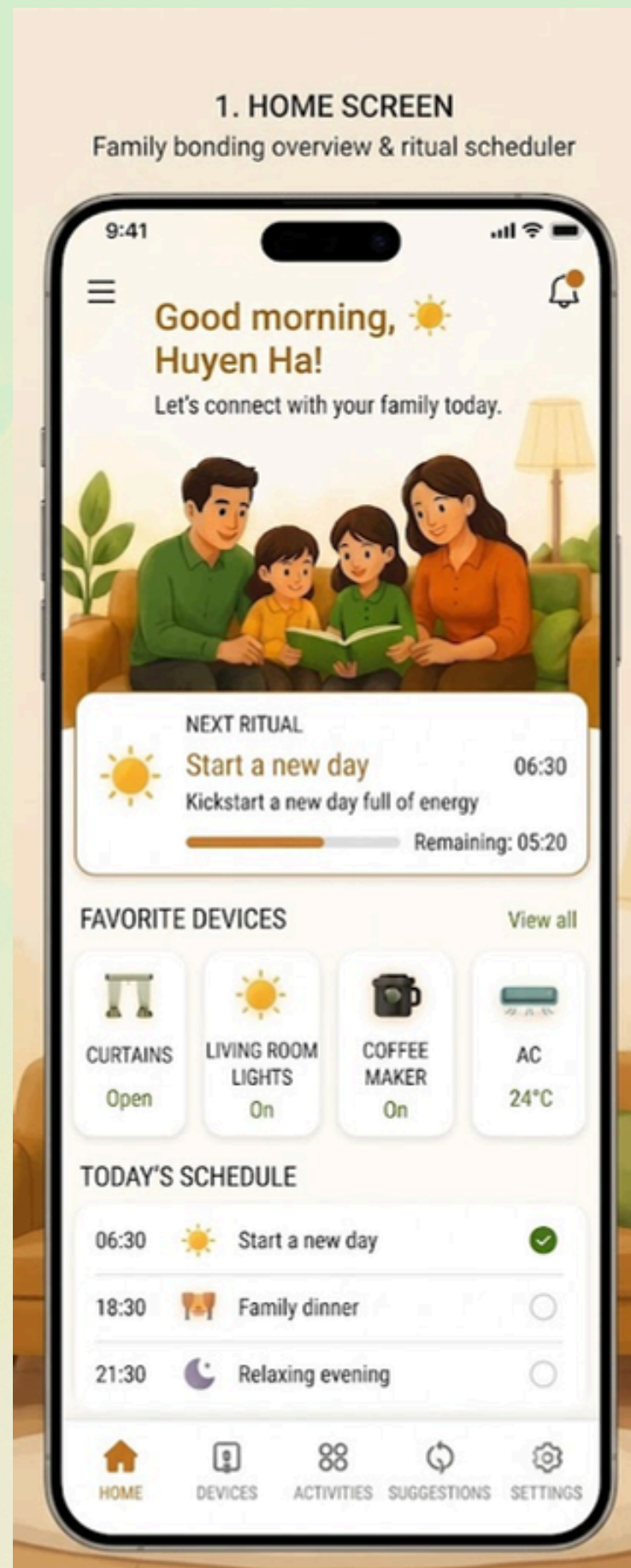


UX ROADMAP

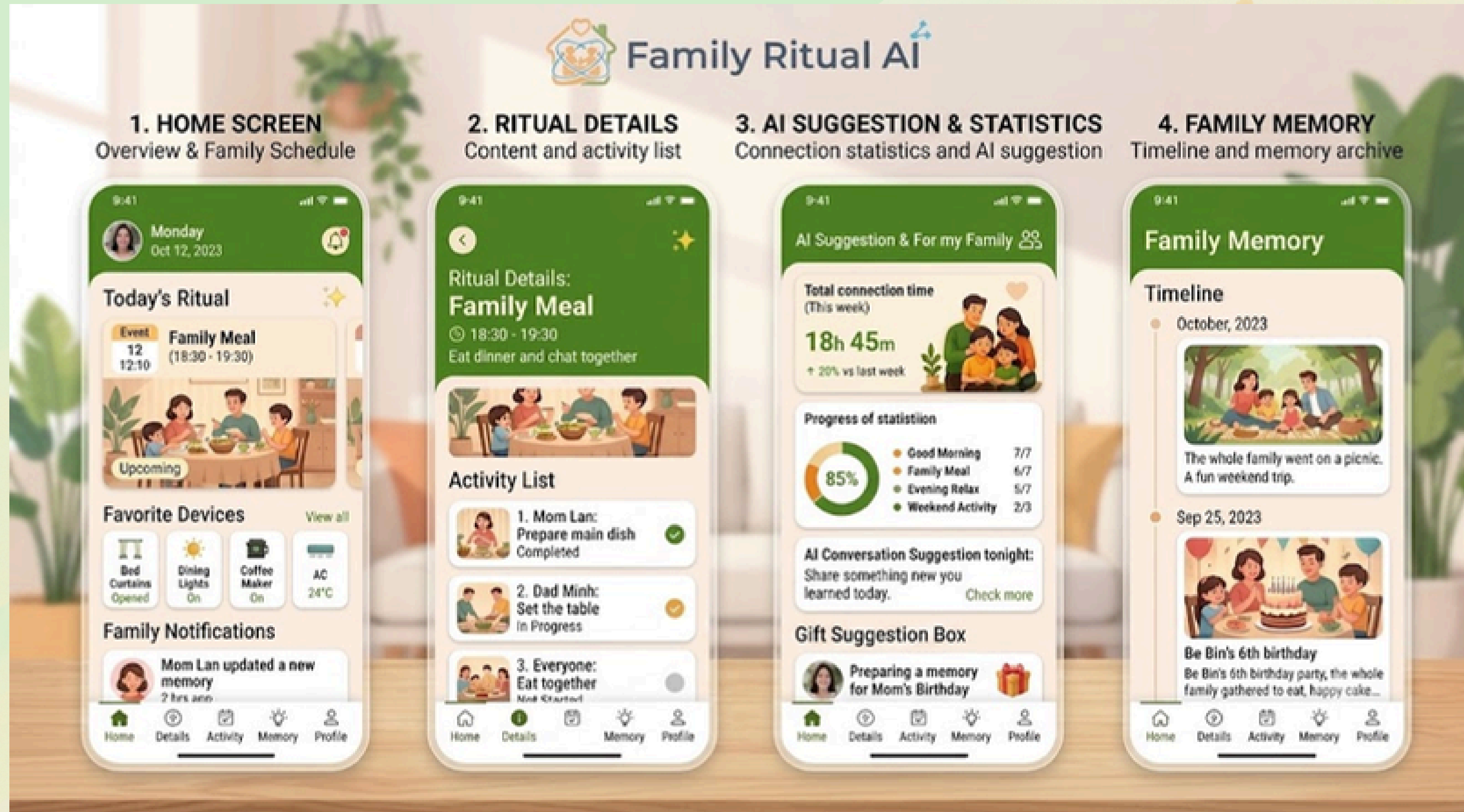
- Morning
- Open the curtains
 - Remind me of my schedule
 - Remind me to take my medication
- Evening
- Turn off the TV
 - Yellow light
 - The whole family has dinner
- Weekend
- AI suggests group activities
- After the operation
- Create Family Memory



HOME SCREENS



ILLUSTRATIVE INTERFACE



FEASIBILITY

Available technology

- Artificial Intelligence (AI)
- Mobile Applications
- Smart Home API
- Cloud Storage

MVP can be deployed

- Create a ritual
- Suggest activities
- Preserve family memories

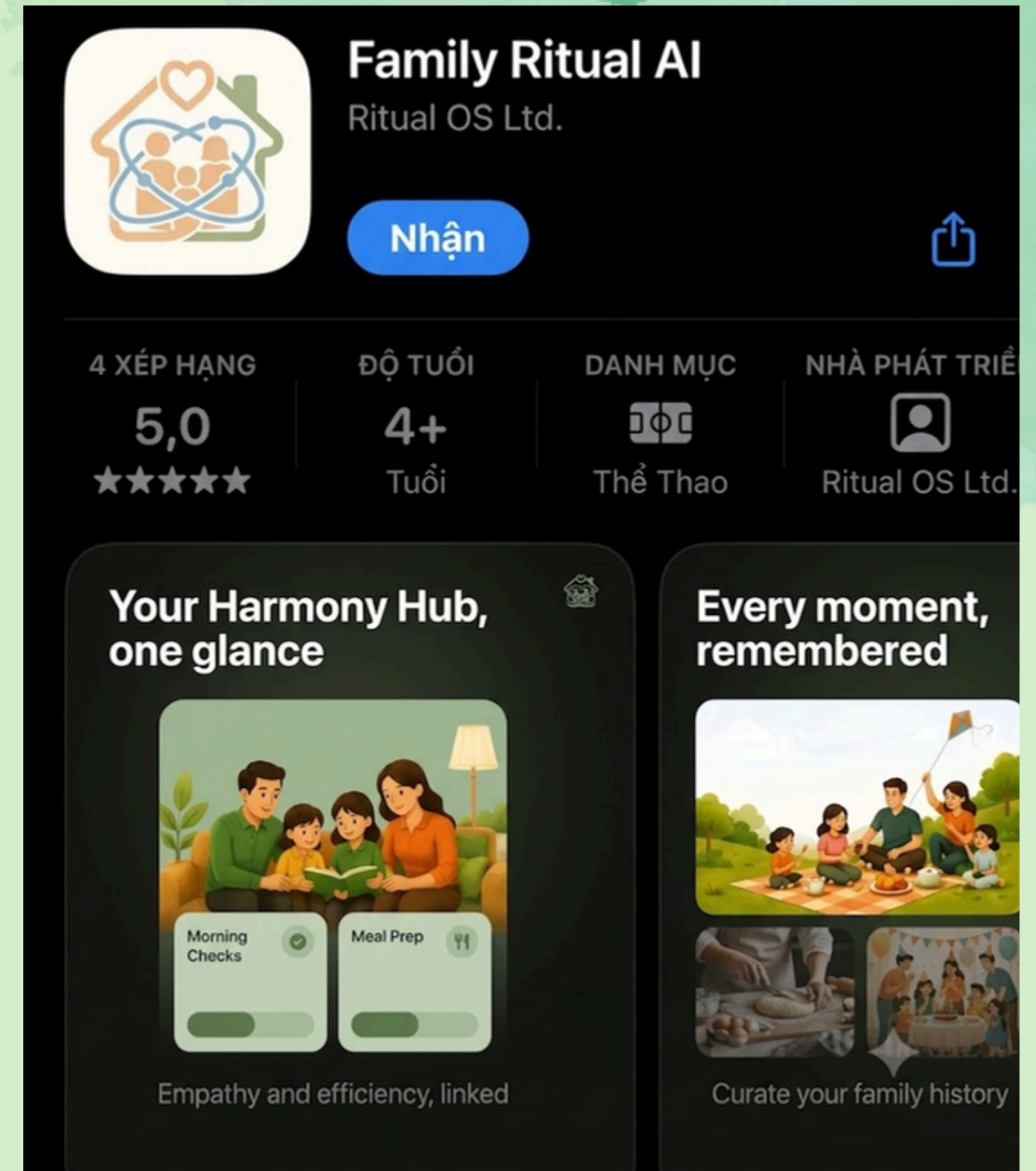
Development Orientation

- Personalization with AI
- Integration of Multiple Smart Home Devices

→ Easy to build and develop

MEETS THE CRITERIA

- People-centered
- Creative ideas
- Simple experience
- Positive social impact
- Technological feasibility
- Suitable for Living OS



CONCLUDE

“ Family Ritual AI “

Technology not only makes homes smarter, but also helps families bond more closely.

Message :

Transform everyday activities into meaningful moments.



"Transform your smart home into a happy haven."

FINAL ASSIGNMENT

**TITLE: DESIGNING AN IKI LIVING OS FOR MULTI-
GENERATIONAL FAMILY LIVING**

COURSE: PRODUCT MANAGEMENT

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FAMILY RITUAL AI – TURNING SMART HOMES INTO CONNECTED AND HAPPY FAMILIES

Introduction

In the era of rapid technological development, smart home solutions have become increasingly popular. However, most existing solutions focus mainly on controlling devices and improving convenience, while an equally important issue is often overlooked: family connection.

Today, parents are busy with work, children spend more time on smartphones and social media, and elderly family members sometimes feel isolated due to a lack of interaction with their loved ones. As a result, family activities are becoming less frequent, and emotional bonds between family members are gradually weakening.

To address this issue, our team proposes Family Ritual AI, an AI-powered application designed to create daily family rituals that encourage family members to spend meaningful time together and strengthen their relationships.

Problem Statement

Many modern families face the following challenges:

- Family members have different schedules and routines.
- Excessive use of digital devices reduces face-to-face interaction.

- There are fewer shared activities among family members.
- Elderly family members may forget important routines such as taking medication or feel lonely.
- Valuable family moments are not systematically preserved.

These issues cause family members to become emotionally disconnected despite living under the same roof.

Product Description

Family Ritual AI is a platform that helps families create and maintain “family rituals” that take place at specific times throughout the day or week. Instead of focusing solely on device automation, the application focuses on creating opportunities for family members to interact and spend quality time together.

The AI acts as a smart family assistant that helps organize family activities, provides personalized recommendations, and encourages positive daily habits.

Key Features

1. Ritual Creator

Allows users to create customized family rituals based on their needs.

Examples:

Good Morning Ritual

- Open the curtains.
- Display the daily schedule.
- Remind family members to take medication.
- Remind children to prepare for school.

Family Dinner Ritual

- Adjust lighting to create a warm atmosphere.
- Reduce distractions from electronic devices.
- Encourage family members to enjoy dinner and conversations together.

2. AI Activity Suggestions

The AI recommends suitable family activities such as:

- Baking together.
- Visiting a park.
- Playing family games.
- Visiting grandparents.

- Taking family photos.

3. Family Memory

After each activity, the system stores photos and activity details to create a shared family timeline, allowing family members to revisit meaningful memories.

4. Family Care Assistant

Provides reminders for:

- Medication schedules.
- Medical appointments.
- Important family events.

This feature helps family members care for one another more effectively.

Target Users

The product is designed for multi-generational families, especially those living in urban areas with busy lifestyles.

Primary target users include:

- Families living with grandparents.
- Families with children who need positive daily routines.
- Parents who want to spend more quality time with their families.

Value Proposition

Family Ritual AI creates more opportunities for family members to interact and connect in their daily lives.

For parents, it helps organize family activities more easily. For children, it encourages healthy habits and stronger relationships with family members. For elderly individuals, reminders and shared activities help them feel more cared for and connected.

Most importantly, the product creates emotional value by transforming everyday activities into meaningful family experiences.

Feasibility and Competitive Advantage

Family Ritual AI can be developed using existing technologies such as artificial intelligence, mobile applications, cloud storage, and smart home integration.

The key differentiator of the product is its human-centered approach. While traditional smart home solutions focus on devices and automation, Family Ritual AI focuses on strengthening family relationships through shared rituals and experiences.

Conclusion

Family Ritual AI is an AI-powered solution designed to address the growing lack of family connection in modern households. Through daily rituals, shared activities, and a digital family memory system, the platform helps family members spend more quality time together while building a happier and more supportive home environment.

Our message is: “Transforming smart homes into happy homes through meaningful family rituals.”

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UI DESIGN AND USER GUIDE FOR FAMILY RITUAL AI

1. UI Design Overview

Family Ritual AI is designed with a friendly, simple, and family-centered interface. The application uses warm colors such as green, orange, and yellow to create a sense of comfort, positivity, and connection. The icons and illustrations are modern and intuitive, making the application easy to use for all age groups, from children to elderly family members.

The main goal of the UI design is to help users easily manage family activities, organize daily rituals, and create meaningful experiences that strengthen family relationships.

2. Main Interface Structure

The application consists of four primary screens:

2.1. Home Screen

This is the first screen users see when opening the application.

Displayed Information

- Personalized greeting based on the time of day.
- Upcoming family ritual.
- Favorite smart devices.

- Daily family schedule.
- Notifications and reminders.

Purpose

To provide a quick overview of family activities and important rituals.

Benefits

- Easy schedule tracking.
- Prevents missing important activities.
- Encourages proactive participation from family members.

2.2. Device Control Screen

This screen allows users to manage and control smart home devices.

Functions

- Turn lights on or off.
- Control curtains.
- Adjust air conditioning.
- Control the TV.
- Manage the coffee machine.
- Control smart speakers.

Users can also activate predefined automation scenarios such as:

- Good Morning
- Family Dinner
- Evening Relaxation
- Leave Home

Purpose

To automate actions that support family rituals and daily routines.

Benefits

- Saves time.
- Improves convenience.
- Creates a seamless family experience.

2.3. Family Dashboard

This screen serves as the family connection and activity tracking center.

Displayed Information

- Total family bonding time.
- Ritual completion rate.
- Activity streaks.
- Completed family activities.
- Family memory gallery.

Purpose

To help family members visualize their progress in maintaining shared activities and family rituals.

Benefits

- Increases motivation.
- Encourages consistent participation.
- Strengthens long-term family engagement.

2.4. Activities & Suggestions Screen

This screen uses AI to recommend suitable family activities.

Example Activities

- Baking together.
- Visiting a park.
- Playing board games.
- Watching movies together.
- Visiting grandparents.
- Taking family photos.

Activities can be filtered by category:

- Indoor activities.
- Outdoor activities.
- Weekend activities.
- Short activities.
- Long activities.

Purpose

To create more opportunities for family interaction.

Benefits

- Reduces screen time.
- Encourages shared experiences.

- Helps create meaningful family memories.

3. User Guide

Step 1: Create a Family Profile

Users register an account and create a family profile.

Required Information

- Family name.
- Family members.
- Age of each member.
- Personal interests.
- Daily schedules.

After setup, the AI analyzes the information to understand the family's lifestyle and needs.

Outcome

The application creates a family profile and suggests personalized family rituals.

Step 2: Set Up Family Rituals

Users can select existing rituals or create new ones.

Example Rituals

Good Morning Ritual

- Open curtains.
- Turn on lights.
- Display the daily schedule.
- Send medication reminders.

Family Dinner Ritual

- Adjust lighting.
- Turn off the TV.
- Play relaxing music.
- Encourage family conversations.

Weekend Together

- Plan weekend activities.
- Organize family outings.

Outcome

The family has a clear and structured routine for spending quality time together.

Step 3: Participate in Rituals

When a scheduled ritual begins, the application sends a notification.

Example:

"It's time for Family Dinner."

Users simply tap "Start Ritual" to begin.

The application guides participants through the activity and automatically activates connected smart devices when needed.

Outcome

Family members spend more time together and engage in meaningful interactions.

Step 4: Receive AI Recommendations

Based on family preferences and activity history, the AI suggests new activities.

Examples

- Weekend picnic.
- Baking with children.
- Visiting grandparents.
- Family game night.

Outcome

Families continuously discover new ways to connect and create shared experiences.

Step 5: Save Family Memories

After completing an activity, users can:

- Upload photos.
- Add notes.
- Share thoughts and feelings.

The application stores all information in the Family Memory Timeline.

Outcome

The family builds a digital journal of meaningful moments that can be revisited anytime.

Step 6: AI Learning and Personalization

As the family continues using the application, the AI learns from their behavior and preferences.

Data Analyzed

- Most popular activities.
- Participation frequency.
- Preferred time slots.
- Individual interests.

Based on these insights, the system continuously improves future recommendations and rituals.

Outcome

The user experience becomes increasingly personalized and valuable over time.

4. User Experience Value

Family Ritual AI is more than a Smart Home application; it is a family connection platform.

By creating daily rituals, recommending shared activities, and preserving family memories, the application helps family members:

- Spend more quality time together.
- Increase communication and emotional connection.
- Develop positive habits.
- Preserve meaningful moments.
- Build a happier and healthier family environment.

Product Message

"Family Ritual AI transforms everyday routines into meaningful family moments, creating stronger connections and lasting memories."

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UX ROADMAP OF FAMILY RITUAL AI

1. Overview

The UX Roadmap describes the user journey when using Family Ritual AI, from the initial setup process to building positive habits and strengthening family relationships. The goal of the application is not only to support daily life management but also to create meaningful moments that encourage family members to spend more quality time together.

Unlike traditional Smart Home solutions that mainly focus on controlling devices, Family Ritual AI focuses on human experiences. AI acts as a smart family assistant that helps organize shared activities, provides personalized recommendations, and preserves valuable family memories.

2. Stage 1: Family Onboarding

This is the first step when users begin using the application.

Users create a family account and add information about family members, including age, family role, personal interests, and daily schedules. This information allows the system to understand each member's characteristics and the family's overall needs.

After collecting the data, the AI analyzes it to identify suitable times for family activities and recommends personalized family rituals.

Objectives

- Understand the family structure.
- Identify family needs and daily habits.
- Collect data for future personalization.

Outcomes

The family has a complete profile that enables the AI to provide relevant and personalized recommendations.

3. Stage 2: Ritual Setup

After completing the onboarding process, users can select or create family rituals.

Family rituals are recurring activities designed to create opportunities for family members to interact and spend time together. Users can choose from predefined templates or create their own rituals based on their preferences.

Examples include:

- Good Morning Ritual
- Family Dinner Ritual
- Weekend Together
- Family Celebration

During setup, the AI suggests suitable schedules and activities based on each family member's availability.

Objectives

- Create dedicated family bonding moments.
- Establish positive daily and weekly routines.

Outcomes

The family has a personalized ritual system that can be easily followed on a regular basis.

4. Stage 3: Daily Ritual Experience

This is the most important stage of the user journey.

When the scheduled time arrives, the application sends notifications and guides family members through the ritual.

For example, at 6:30 AM, the Good Morning Ritual is activated.

The AI will:

- Send a morning greeting.
- Display the day's schedule.

- Remind elderly members to take their medication.
- Remind children to prepare for school.

In the evening, the Family Dinner Ritual is activated.

The AI will:

- Remind family members to gather for dinner.
- Reduce distractions from digital devices.
- Suggest conversation topics to encourage interaction.

These features help family members engage in face-to-face communication instead of focusing on their devices.

Objectives

- Encourage participation in shared family activities.
- Increase quality family time.

Outcomes

Family members develop a habit of connecting and caring for one another every day.

5. Stage 4: AI Activity Recommendations

In addition to daily rituals, the system proactively recommends activities that can strengthen family relationships.

Based on user preferences, schedules, and previous interactions, the AI may suggest activities such as:

- Baking together.
- Visiting a park.
- Playing family games.
- Taking family photos.
- Visiting grandparents on weekends.

Users can choose the most suitable activity and schedule it directly through the application.

Objectives

- Increase the number of shared family experiences.
- Create meaningful interactions beyond daily routines.

Outcomes

Families gain more opportunities to communicate, collaborate, and create lasting memories together.

6. Stage 5: Family Memory

After each completed activity or ritual, the system records and stores related information.

The stored data may include:

- Photos.
- Activity date and time.
- Activity name.
- Participating family members.

All information is organized into a timeline, creating a digital family journal.

Examples:

- Family Dinner – November 15, 2025
- Weekend Picnic – November 20, 2025
- Birthday Celebration – November 25, 2025

Objectives

- Preserve meaningful family moments.
- Create long-term emotional value.

Outcomes

The family builds a digital archive of memories that can be revisited at any time.

7. Stage 6: AI Learning and Personalization

Over time, the AI continuously learns from family behaviors and usage patterns to improve the overall experience.

The system analyzes:

- The most popular activities.
- Participation levels of each family member.
- The most suitable times for rituals.

Based on these insights, the AI automatically adjusts recommendations and suggests new activities that better match the family's preferences.

Objectives

- Deliver a highly personalized experience.
- Maintain long-term user engagement.

Outcomes

The application becomes increasingly relevant and valuable to each family over time.

8. Final Outcome of the UX Roadmap

The entire Family Ritual AI experience is designed around one primary goal: strengthening family connections.

The user journey can be summarized as follows:

Family Onboarding → Ritual Setup → Daily Ritual Experience → AI Activity
Recommendations → Family Memory → AI Learning & Personalization → Stronger Family Bonds

Through this journey, Family Ritual AI becomes more than just a technology application. It serves as a bridge that helps family members build positive habits, share meaningful experiences, and create a happier and more connected home environment.

Final Goal:

Transform everyday activities into meaningful family rituals that strengthen relationships and create lasting memories.

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OPTIONAL PROTOTYPE VIDEO

<https://canva.link/audf0uerv3m10mb>