

Flora Lenz

Flora Lenz: Your Personal Plant Companion





The Problem: Plant Care Can Be Confusing

New plant parents and seasoned owners alike often struggle with the complexities of plant care, leading to frustration and, often, dead plants.

Overwhelmed Owners

Struggling with knowing when to water, how much light is needed, and what's wrong when leaves turn yellow.

Forgotten Tasks

It's easy to forget watering schedules or when you last fertilized, especially when managing a large collection.

Misinformation

Finding reliable, plant-specific advice online can be a significant challenge due to conflicting sources.

Health Diagnosis

Identifying pests or diseases correctly is difficult and time-consuming for the average person.

Our Solution: Introducing Flora Lenz



Flora Lenz

Your Smart Plant Care Companion

- **Manage:** Keep track your plant collection.
- **Learn:** Identify plants & diagnose issues.
- **Succeed:** Get reminders & expert advice.



Manage

Keep track of your entire plant collection in one centralized place.



Learn

Instantly identify new plants and diagnose health issues using your camera and AI.



Succeed

Receive timely reminders and expert, actionable advice to help your plants thrive.

Flora Lenz is an all-in-one mobile app that simplifies plant care through smart technology, personalized schedules, and an AI-powered assistant.

Core Features: Simplifying Your Green Life

We have integrated essential tools into a seamless experience, ensuring every plant gets the attention it needs.

My Garden Dashboard

Your personal, visual collection of all your plants at a glance.

Plant Detail View

In-depth information, care statistics, and a journal for tracking each plant's growth.

Smart Care Calendar

A centralized, customizable schedule for all watering, fertilizing, and reporting tasks.

Identification & Diagnosis

Use your camera for instant plant identification or to diagnose health problems.

AI Companion Chat

Get instant, conversational answers to all your specific plant care questions.



Key Differentiator: Always-On AI Expert Advice, Even When You're Offline.

We designed Flora Lenz to be reliable everywhere, ensuring your plant care assistant is always ready to help, regardless of connectivity.



Offline AI Agent Access

Our AI Companion is designed for offline functionality, providing critical plant care advice and diagnostic help without an internet connection.



Local Data Sync

Your garden data, including care schedules and plant journals, is stored locally and remains accessible at all times.



Peace of Mind

Whether you are in a remote area or simply want to save data, your plant care assistant is always available.

My Garden & Plant Profiles:

Everything About Your Plants, In One Place.



Monitor your entire plant collection with an intuitive visual layout for quick status checks.

Key Features

Visual Health Cues: Color-coded indicators show which plants need watering, fertilizing, or attention

Quick Access & Sorting: Tap into individual plant profiles or sort by name, species, last watered date, or custom tags

Personalized Groups: Organize plants into custom groups like "Indoor Jungle" or "Beginner-Friendly"

Hero Image & Customization: Upload photos, add nicknames, species details, and location

Dedicated Tabs for Comprehensive Care:

- **Overview:** Vital information including scientific name, growing conditions, and health summary
- **Journal:** A dynamic timeline view to track your plant's journey. Log growth milestones with photos, add detailed notes, record pruning events, repotting dates, and document any pest or disease treatments. See progress over time with visual comparisons.
- **Reminders:** Set custom, flexible care reminders for watering, fertilizing, misting, repotting, and rotation. Choose from daily, weekly, monthly, or custom intervals, and link directly to your Smart Care Calendar.
- **AI Insights:** Get instant, conversational answers to all your specific plant care questions. The AI learns from your journal entries to offer predictive care suggestions, troubleshooting advice, and personalized tips based on your plant's unique history and environment.

Stay on Track with Smart Reminders

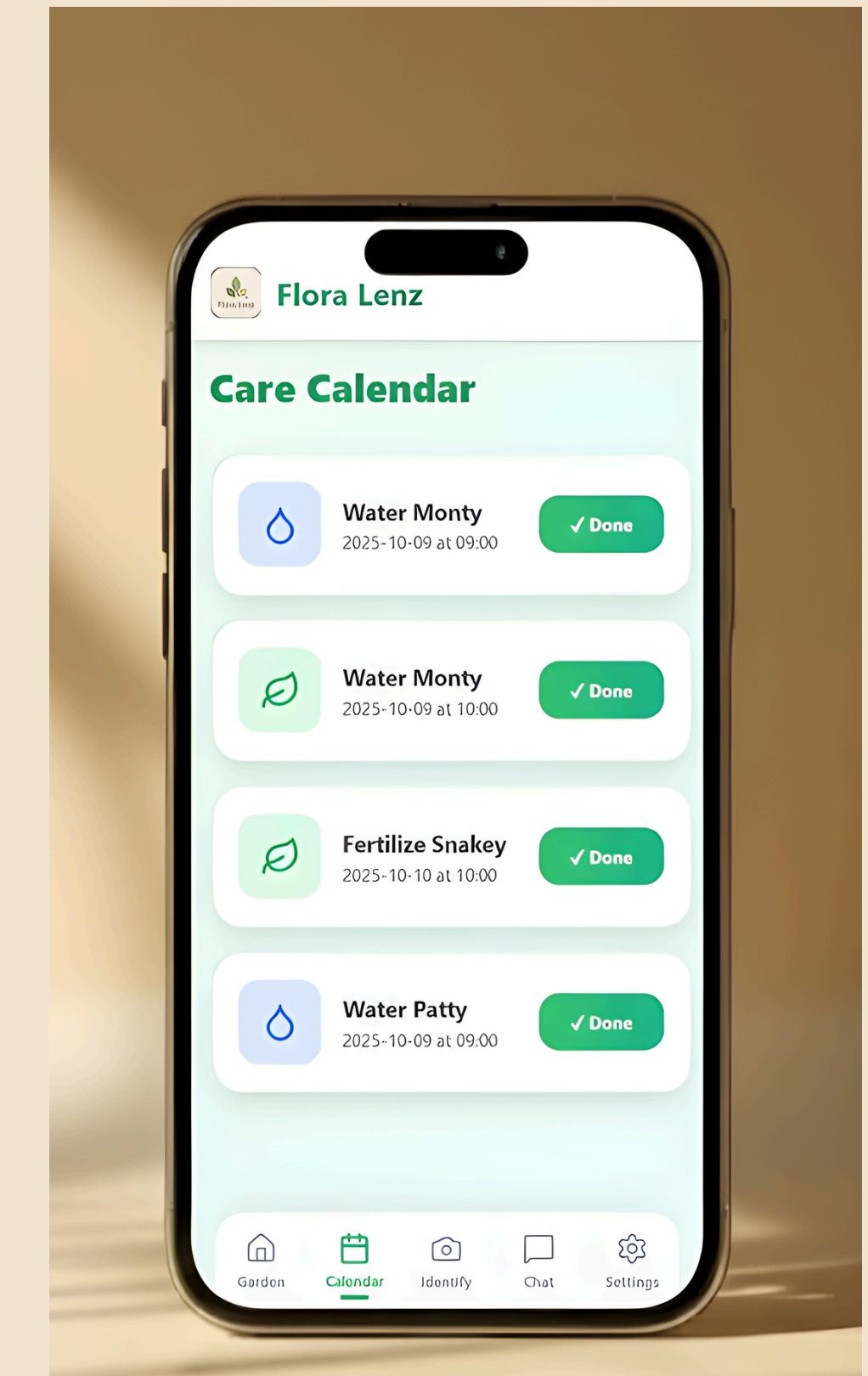
Never Miss a Watering Again.

Centralized Calendar

View all plant care tasks in a monthly grid or weekly list. This provides a holistic view of your care commitments.

Customizable & Interactive Scheduling

- Set up recurring tasks for watering, fertilizing, and repotting.
- Enable or disable push notifications for each specific reminder.
- Tasks are color-coded for easy identification: **blue for watering**, **green for fertilizing**.
- Simply tap a date to see its tasks or drag-and-drop a task to reschedule it instantly.



Your Pocket Botanist

Identify & Diagnose with Your Camera



Identify New Plants

Use the camera or upload a photo for instant plant recognition, including the plant's name and a description. Add the identified plant directly to "My Garden" with one tap.

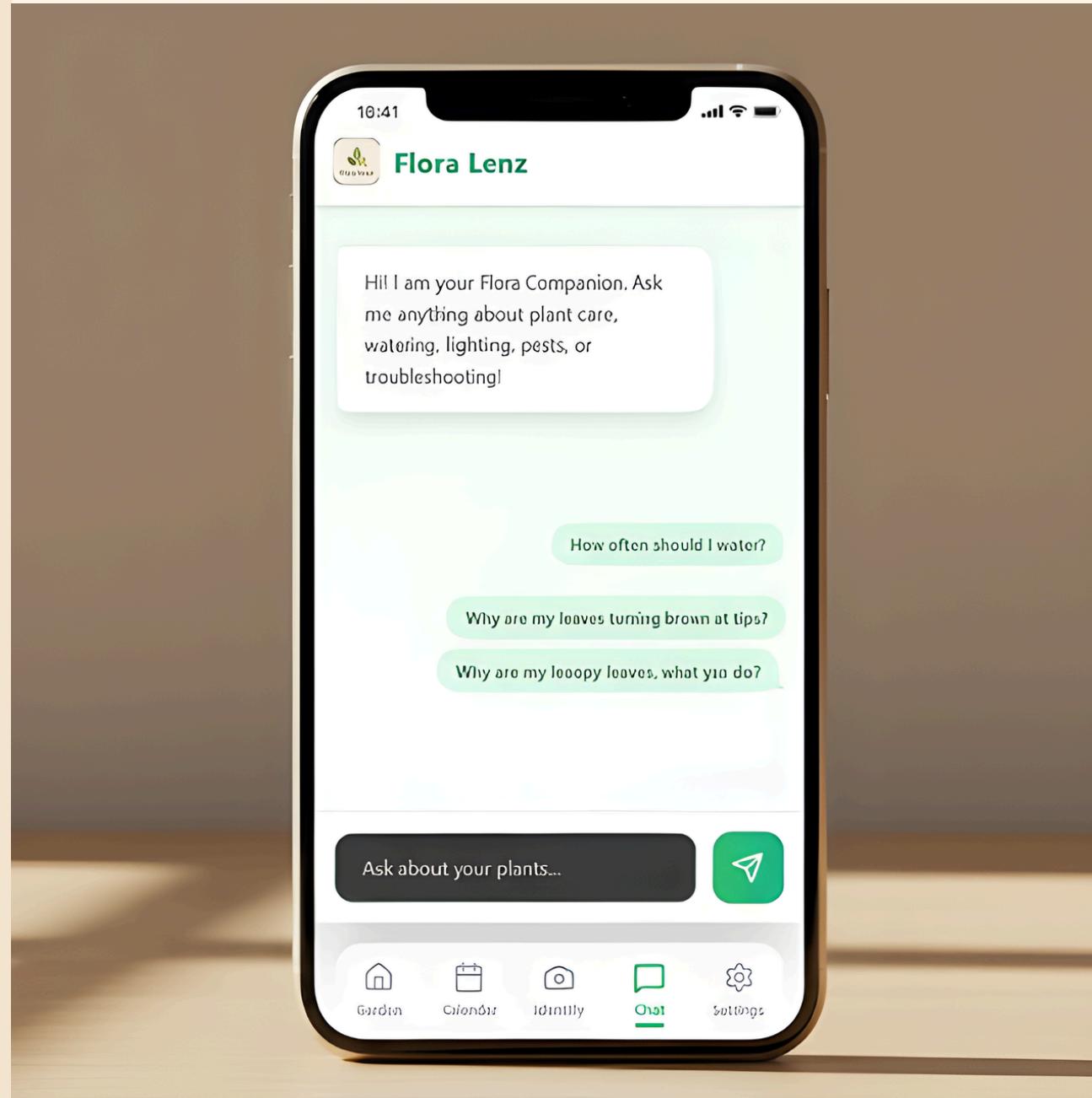


Diagnose Health Issues

Upload a photo of a damaged leaf. Our AI analyzes the photo and suggests the possible issue (e.g., "Overwatering") along with recommended steps to fix it.

Main Feature: AI Companion

Instant, Conversational Plant Care Advice.



- **Ask Anything:** Get answers to questions like "Why are my leaves yellowing?" or "How often should I mist my Calathea?".
- **Rich Responses:** The AI provides more than just text; receive small infographics, sunlight charts, and links to your specific plant profiles.
- **Integrated AI:** The "Ask Companion" button in the Insights tab can pre-fill questions based on your plant's current data and health summary.
- **Voice & Image Input:** Use your voice or upload an image directly within the chat for more contextual and accurate advice.

Technology Stack

Flora Lenz is built with modern, cross-platform technologies to ensure a fast, reliable, and scalable mobile experience.

Framework	React Native or Flutter (for cross-platform compatibility)
UI System	Tailwind or Styled Components (for rapid, consistent styling)
State Management	Zustand / Redux Toolkit (for predictable state handling)
Navigation	React Navigation
Storage & Sync	Local storage with cloud sync via Firebase
Camera & AR	Expo Camera + ViroReact (for identification and potential AR features)
TensorFlow Lite	Lightweight ML framework for running trained TensorFlow models entirely on-device. Ideal for plant-disease or leaf-health detection.



Summary – Why Flora Lenz Matters

Your Personal Plant Companion That Thinks for You 🌱



Smart Care

AI-powered insights and reminders that keep your plants healthy.



Instant ID

Identify plants and diagnose issues with your camera.



Personal Garden

Organize, track, and celebrate your plant collection.



Offline Support

Get help anytime, even without internet access.

In Short: Flora Lenz makes plant care simple, intelligent, and accessible for everyone — from beginners to experts.