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**Introduction**

**The Community Gardening Prototype is a digital platform designed to facilitate community-driven gardening initiatives. It enables users to collaborate, share resources, trade produce, and engage with fellow gardening enthusiasts. The platform fosters an environment where individuals can contribute to urban gardening projects, exchange knowledge, and build sustainable green communities.**

**1. User Authentication**

* **Sign Up & Log In**: Users can create an account or log in using their email and password.
* **Social Media Integration**: Connect accounts with Instagram, Twitter, and Pinterest for easier sharing.

**2. User Profile**

* **Personal Details**: Users can add their name, bio, and gardening preferences.
* **Home Garden Info**: Users can showcase their gardening projects.
* **Privacy & Safety Settings**: Control visibility and interactions.

**3. Community Engagement**

* **Social Feed**: Users can create posts, comment, and like others' posts.
* **Messaging System**: Private and group chats to communicate with fellow gardeners.
* **Volunteer Opportunities**: Users can sign up for volunteer tasks and log hours.

**4. Garden Marketplace**

* **Produce Trading**: Users can list extra produce for exchange.
* **Request Board**: Members can request specific plants or tools.
* **Announcements**: Important community updates and event notifications.

**5. Garden Management**

* **Followed Gardens**: Track progress of community gardens.
* **P-Patch Coordination**: Sign up for gardening slots and tasks.
* **Garden Activity Log**: Document and report gardening efforts.

**6. Events & Volunteering**

* **Event Calendar**: Stay updated on upcoming gardening events.
* **Task Assignments**: Organizers can assign and track volunteer work.
* **Community Participation**: Recognize top contributors.