Scope

Jeenom Meta is an interactive application for iOS and Android. It allows for human. interaction with nature in a virtual environment that allows you to plant, design and grow your own forest. We focus on green environment and conservation of the natural resources the planet has to offer by connecting your digital tree in growth to a real one planted in real world.

Jeenom Meta can be considered a gamified social network available to everyone at no cost. Jeenom Meta should be a highly customizable piece of software able to host private users as well as enterprises with an ability to be linked and share data with other players in the metaverse – social networks, search engines, blogs, AI generating engines, NFT platforms etc.

Jeenom Meta mobile apps may have the following functions:

- Trees would react to seasonal changes, weather etc.
- Trees could be fed, watered etc.
- Private users may discover other users' trees (private and corporate) in their current location and wherever else they are searching for users geographically and view their trees' data (whatever is visible based on the privacy settings of those users).
- Selfie function available for users with their own trees and others' (depending on the privacy settings of each user's trees).
- Planting trees in new geolocations where no trees have been planted before would award the users with special badges/NFT (TBC).
- Ability to collect statistical data, share and display it in various modes across the metaverse.
- Ability to flip trees' upside down (with each side representing personal trees' data as opposed to professional, for example).
- Map view of all trees in the world planted using Jeenom Meta.
- Other view modes based on the project owners' requirements.
- Additionally, a WordPress website should be built as a simple business presentation. (requirements TBC). Existing WordPress website can be improved as it already exists

Technical Requirements for Jeenom Meta Application

1. Application Features:

1.1. Customization Options:

- Implement extensive customization features allowing users to tailor their experience based on personal preferences.
- Provide options for enterprises to customize the application to suit their specific needs and branding.

1.2. Data Sharing and Integration:

- Enable seamless data sharing and integration with other platforms in the metaverse, including social networks, search engines, blogs, AI generating engines, and NFT platforms.
- Implement APIs or SDKs for easy integration with third-party services.

1.3. Seasonal and Weather-based Tree Interactions:

- Develop algorithms for trees to react dynamically to seasonal changes and weather conditions within the virtual environment.

1.4. Tree Care Functions:

- Implement functionalities for users to care for their trees by feeding, watering, and other maintenance actions.

1.5. Location-based Discovery:

- Utilize geolocation services to allow users to discover nearby trees, both private and corporate, and view their data based on privacy settings.
- Enable users to search for trees in specific geographical locations.
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1.6. Selfie Functionality:

- Integrate a selfie function allowing users to take pictures with their own trees and those of others (subject to privacy settings).

1.7. Badge and NFT Rewards:

- Develop a reward system where users receive special badges or NFTs for planting trees in new geolocations.

1.8. Statistical Data Collection and Sharing:

- Implement mechanisms for users to collect, share, and display statistical data related to tree planting and maintenance activities.

1.9. Tree Orientation and Data Representation:

- Provide the ability to flip trees upside down, with each side representing different sets of data (e.g., personal vs. professional).
- Implement customizable data visualization options for displaying tree-related information.

1.10. Global Map View:

- Develop a map view feature showing all trees planted worldwide using the Jeenom Meta application.

1.11. Additional View Modes:

- Allow project owners to define and implement additional view modes based on their specific requirements.

1.12. Platform Compatibility:

- The application should be compatible with iOS and Android platforms.
- iOS version compatibility should extend to the latest supported versions by Apple.
- Android version compatibility should extend to the latest supported versions by Google.

2. **Interactive Virtual Environment:**

- Develop a virtual environment where users can interact with nature.
- Enable users to engage in activities such as planting, designing, and nurturing their own forest within the virtual environment.

3. **User Interface Design:**

- Design intuitive and user-friendly interfaces suitable for both iOS and Android devices.
- Ensure consistent UI/UX across different screen sizes and resolutions.

4. **Planting and Design Features:**

- Implement functionalities for users to select and plant different types of flora within the virtual environment.
- Provide tools for users to design the layout and arrangement of their virtual forest, including terrain modification, tree placement, etc.

5. **Growth Simulation:**

- Develop algorithms to simulate the growth and development of planted trees and vegetation over time.
- Incorporate realistic growth factors such as environmental conditions, sunlight exposure, water availability, etc.

6. **Data Persistence:**

- Implement mechanisms to save user progress and data securely.
- Enable users to revisit and continue working on their virtual forest over multiple sessions.

7. **Social Interaction:**

- Integrate social features to allow users to share their virtual forest designs with others.
- Provide options for collaborative forest building and interaction with other users' forests.

8. **Performance Optimization and Saclability:**

- Optimize performance to ensure smooth operation across different devices and network conditions.
- Minimize resource usage and optimize loading times for a seamless user experience.
- Design the application architecture to handle a large user base and data volume.

9. **Localization and Accessibility:**

- Support multiple languages to cater to a diverse user base.
- Ensure accessibility features are implemented to accommodate users with disabilities.

10. **Testing and Quality Assurance:**

- Conduct rigorous testing across different devices, screen sizes, and operating system versions.
- Perform usability testing to gather feedback and refine user experience.
- Ensure compliance with relevant app store guidelines and regulations.

11. **Security and Privacy:**

- Implement robust security measures to protect user data and privacy. , including granular privacy settings for tree data.
- Adhere to best practices for secure data transmission and storage.
- Ensure compliance with relevant regulations and best practices for data protection.

12. **Updates and Maintenance:**

- Plan for regular updates to introduce new features, address bugs, and enhance performance.
- Provide timely support and maintenance to ensure the application remains functional and up-to-date.

13. **Documentation and Support:**

- Provide comprehensive documentation for users and developers.
- Offer responsive customer support to address user inquiries and issues promptly.