**Time on task**

1. Open the photo upload page to upload photos of your own garden

2. Share your own garden experience, comment and like other gardens

3. Enter other people's virtual gardens to view

4. Buy, sell or exchange flowers in the virtual market

5. Find an experienced gardener or match a student who is learning gardening

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Task1 | Task2 | Task3 | Task4 | Task5 |
| Team member | 10s | NA | 8s | 6s | 8s |
| Test user1 | 10s | NA | 10s | 5S | 10s |
| Test user2 | 25s | NA | 5s | 10s | 10s |

**Think aloud**

1. After the user clicks the operation button, you can add some visual feedback, such as loading animation or prompt information, to show the current operation being performed. Different system UI interfaces should have different prompts. For example, the interface for tablets should have a sidebar. In the market page, some more detailed descriptions about the plants can be added, such as planting methods or daily maintenance, to better match the user's real-life experience. Consider providing a "sidebar" for users to quickly jump. When users enter information (such as user name, email address), add immediate error checking and prompt information to prevent users from submitting incorrect data. The overall design of the page is simple and beautiful, using bright colors and pictures to avoid unnecessary interference. The amount of information in each section is moderate, without too much interference information. Add error prompt information, such as using a red border and prompt information to remind users when the input format is incorrect, and provide a "View Help" option to help users quickly solve problems. You can add a "Help" or "FAQ" section to the page, especially in the photo upload and market transaction sections, to provide common questions and answers to help users better understand and use the system.
2. The idea of a virtual garden is interesting. Maybe we can develop more interactive methods to make it more interactive, like a small game. Garden Market can provide more choices and categories, such as gardening tools, fertilizers, etc.

**Heuristic Evaluation**

Test user1

1. Visibility of System Status

The system provides clear status feedback in each interface. For example, the navigation bar shows the current page (Sharing, Virtual Garden, Market, Collaboration), so users can always know which page they are on. The "Upload Photo" button and the "Reset Form" button in the photo upload section remind users of the operations that can be performed at the moment.

1. Match Between the System and the Real World

The system has a strong connection with the real world, using intuitive images, names, and descriptions. For example, each garden display page has an actual photo and a name corresponding to the real garden, which meets the user's expectations of the concept of "garden".

1. User Control and Freedom

The user's navigation between the various pages is very clear, the main navigation bar is always visible, and the user can switch pages at any time. In the part where you upload photos, a "Reset Form" button is provided to allow users to undo their input.

1. Consistency and Standards

The entire interface is designed in a consistent style, using uniform colors, fonts, and button designs. The interactive behaviors of icons and buttons remain consistent, meeting the standard expectations of general users for web design.

1. Error Prevention

The system has a clear file dragging area when uploading photos, which reduces the possibility of user error. However, there is no error prompt or verification mechanism when entering information.

1. Recognition Rather than Recall

The system is designed to make full use of images and labels, such as garden names and pictures, making it easy for users to identify the contents of each garden.

1. Flexibility and Efficiency of Use

The system provides quick navigation to meet the needs of different users. Users can quickly browse or click to enter a specific garden, and a search function is provided to find friends' gardens.

1. Aesthetic and Minimalist Design

You can consider adding more shortcuts, such as pinning the gardens that users visit most frequently to the homepage, or providing a collection function to improve usage efficiency.

1. Help Users Recognize, Diagnose, and Recover from Errors

The system currently lacks an error prompt design. For example, there is no clear error prompt mechanism when uploading pictures or entering information.

1. Help and Documentation

The system currently has no obvious help documentation or instructions, and users may have difficulty finding solutions when they encounter problems.

Test user2

1. Visibility of System Status

The page is simple and interactive, and users can quickly get the page they want.

1. Match Between the System and the Real World

The implementation technology of the virtual garden can expand its functions, such as using VR to show the garden

1. User Control and Freedom

Some scoring systems can be added to filter different gardens, especially the first 20 or 30 that users see.

1. Consistency and Standards

Overall satisfies needs

1. Error Prevention

Wrong image content may be a problem

1. Recognition Rather than Recall

Easily recognize each function

1. Flexibility and Efficiency of Use

Based on the current functions, it is very flexible and efficient to use, but if these functions need to be combined, it may be difficult to understand

1. Aesthetic and Minimalist Design

The app can reduce the amount of text, add some buttons or more concise phrases, and present some functions in an interactive way without explanation.

1. Help Users Recognize, Diagnose, and Recover from Errors

No related functions

1. Help and Documentation

No related functions