**Time on task**

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

2. Comment other gardens

3. Enter other people's virtual gardens to view and place any new decoration

4. Search on the map and go to one of the stores

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Task1 | Task2 | Task3 | Task4 |
| Team member | 15s | 10s | 60s | 10s |
| Test user1 | 10s | 5s | 2 min | 2s NA |

**Think aloud**

The overall design is more in line with user habits, but some basic functions need to be added, such as login and logout. On everyone's unity design page, you may need to add an undo button, which is awkward to use now. Then, everyone's design page needs to be saved, and a file page needs to be added. For example, draft one, draft two, and then there is a publish button. Only after it is published can others see the design. In the current comment area, you can't tell who commented first and who commented later, which seems rather messy. You need to add a timestamp. Then on the purchase map, you may need to add a small area next to it to list the nearest purchase locations, instead of asking users to find them on the map themselves, which is too troublesome. If you click on the purchase location, it will automatically jump to that location and tell the user the address. Oh, by the way, if you only use green and white in the design, it may give people a simple feeling. You may need to add some blue or gray to make the interface more technological.

**Heuristic Evaluation**

Test user1

1. Visibility of System Status

The system’s status display is insufficient across most pages, especially when users are not logged in, causing confusion when accessing certain features.

1. Match Between the System and the Real World

The system uses real-world terms and images, but some functionality logic, like saving design models and the comment system, doesn’t align with user expectations.

1. User Control and Freedom

Users need to log in to switch between pages, but lack clear prompts and freedom, especially in design and comment functionalities.

1. Consistency and Standards

The page style is consistent, but functionality lacks standardization, such as missing timestamps in comments and the inability to save designs.

1. Error Prevention

There is a lack of necessary error prevention mechanisms, especially when saving designs, with no warnings about potential progress loss.

1. Recognition Rather than Recall

Users rely on memory for next steps, and the pages lack clear prompts and help documentation, especially for complex design operations.

1. Flexibility and Efficiency of Use

The system’s upload functionality is suboptimal, with inconsistent design experiences post-redirect, making it difficult for users to find effective operational pathways.

1. Aesthetic and Minimalist Design

The page is aesthetically pleasing and minimalist, but lacks critical functional prompts and operational guidance, impacting the overall user experience.

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

The system does not provide clear error messages or recovery options, leading to potential data loss, especially when saving designs.

1. Help and Documentation

The webpage lacks help documentation, making it difficult for users to find solutions when encountering problems, especially with design and saving functionalities.