200597 M3|L1 Useability Testing Requirements Worksheet

Instructions: Review the scenario. Define Useability Testing Requirements for the solar water heating scenario in Part II of this worksheet.

**Part I: Usability Testing Requirements Considerations**

|  |  |
| --- | --- |
| Usability Testing Category | Useability Testing Requirements Considerations |
| Learnable | * Determine how easy or difficult it is for the user to accomplish basic tasks the first time they encounter the design * Document what went well and what needs improvement * Update the product design as applicable |
| Efficient | * Determine how long it takes for the user to learn the design * Document how long it takes for the user to perform tasks once the design is understood * Document what went well and what needs improvement * Update the product design/manuals/instructions as applicable |
| Memorable | * Determine how long it takes the user to re-establish proficiency after they have not used the product for an extended period * Document questions and potential areas of confusion * Update the product design/manuals/instructions as applicable |
| Free of Errors | * Document usage errors made by the user * Classify the errors as severe, moderate, and minor * Determine root causes for the errors * Update the product design/manuals/instructions as applicable |
| Delightful | * Determine how pleasant the design is for users * List what they like, and what they find to be a detriment * Evaluate features and functions and make updates as required |

**Part II:** **Usability Testing Requirements Considerations**

|  |  |
| --- | --- |
| Usability Testing Category | Useability Testing Requirements Considerations |
| Learnable | * Users should be able to easily understand the basic functions of the solar water heating system upon initial use. * Instructions and user interface should be intuitive and self-explanatory. |
| Efficient | * Users should be able to perform common tasks, such as adjusting settings or monitoring system performance, quickly and without unnecessary steps. * System response times should be fast and responsive. |
| Memorable | * Users should be able to recall how to operate the system and access key features without referring to external documentation after initial use. |
| Free of Errors | * The system should minimize the occurrence of errors or misunderstandings by providing clear feedback and guidance to users. |
| Delightful | * The user experience should be enjoyable and satisfying, enhancing overall user satisfaction with the product. * Visual design and interface elements should be aesthetically pleasing. |