

Assignment 5

Title : Evaluating Interface.

Problem Statement : Evaluate on interface using usability evaluation techniques

Objectives :

- To understand the need of evaluation on interface.
- To choose an evaluation method suitable for the system.
- To carry out evaluation and record responses.
- To understand the importance of ethics of evaluation.

Outcomes :

- We will be able to understand the need to evaluate an interface.
- We will understand importance of “ethics of evaluation”
- We will choose an evaluation method suitable for the selected system
- We will carry out evaluation and record the responses.

Theory :

- Ethical Issues of evaluation
 - People's privacy should be protected, which means their names should not be associated with data collected about them or disclosed in written reports.
- Usability Evaluation Methods
 - Testing
 - Inspection
 - Inquiry

Testing

In this approach representative users work on typed tasks using the system and the evaluators use the results to see how the user interface supports the users to do their tasks.

Methods included in testing

- Coaching method
- Performance measurement
- Question-asking protocol
- Remote testing
- Think-aloud protocol
- Inspection

Usability specialists and sometimes software developers, users and other professionals examine usability related aspects of a user interface.

Methods of inspection

- Cognitive walkthrough
- Heuristic evaluation
- Perspective based inspection
- Enquiry

Here the usability evaluators obtain information about users likes, dislikes, needs, and understanding of the system.

- Methods
- Field observation
- Interviews
- Questionnaires
- Logging Actual use
- Usability evaluation for Imdb
- Methods used Inquiry, Interviews

In this technique, human factor engineers formulate questions about the product based on the kind of issue of interest and gather information by asking these questions.

In evaluating the interview, the interviewer reads the questions to the users, then the user replies to it verbally, the interviewer records these responses.

Interview Questions for Imdb

- How is the graphic design of the application?
- Are all the functionalities working as expected?
- How is the management of exams experience?
- How is the getting allocated for the exam experience for the volunteers?

Conclusion:

Thus, we successfully understood the concept of evaluation interface using different usability evaluation methods and grasped the importance of ethics of evaluation in HCI.