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Name Mehboob Shabbir
ID 13916
Subject HCI

Qno 1

(Ans)

Five issue with this chair

1st issue:-

The Traditional wooden chair was designed to enforce upright posture position and fails to maintain the natural 'S' curvature of the spine, thus often leading to poor posture.

2nd issue:-

Not adjustable chair can be cause you following issues your knees should be approximately level with, or lower than your hips level, in this case corresponds to a 90° angle between the hip and trunk which is relatively stress-free on the back.

3rd issue:-

Meshed not available Reduce sweating by including a meshed seat and backrest

4th issue:-

Comfort issue enhance comfort form the user of sitting for long hours by helping you to sit in a correct posture and maintain it. The seat and backrest designs help you

5th issue:-

860° angle not available. These chair have 360° swivling rotating around on a simple vertical axis. This reduce the age-old habits of stretching ourselves to reach

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Ques: what is Paradigm and what do you mean by Paradigm Shift?

Ans:-

Def:-

an important changes that happens when the usual way of thinking about or doing something is replaced by a new and different way. This discovery will bring about a Paradigm Shift in our understanding of evolution.

Paradigm Shift:-

A Paradigm Shift is a major change in the concepts and practices of how something works or is accomplished. A Paradigm Shift can happen within a wide variety of contexts. They very often happen when new technology introduced that radically alters the production process of a good or service. For example the assembly line created a substantial Paradigm Shift, not in the auto industry but in all other areas of manufacturing as well.

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Q: Explain Design Rationale. write and explain the types of design rationale?

Ans:-

A design rationale is an explicit documentation of the reasons behind decisions made when designing a system or artifact..... Kuni and Horst Rittel, design rationale seeks to provide argumentation-based structure to the political, collaborative process of addressing wicked problem.

Types of design Rationale:-

There are five types of

design Rationale:

Argumentation based:-

The design rationale is primarily to represent the arguments that define a design. These arguments consist of issues raised, alternative responses to these issues, and arguments for and arguments for and against each alternative.

History based:-

The rationale consist of the design history the sequence of events that occurred while performing the design. This information can be stored in many form it could be in the form of entries in a design notebook, an archive of e-mail messages, or other type of documents that capture action taken over written

Device based:-

a model of the device itself is used to both obtained and present rationale. The explanation

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of the design would be produced by using the model of simulate the behaviour of the device. it would be possible for the user to view the model and ask questions about its design and behaviour.

Process based:-

The DR capture is ~~pre~~ integrated into the design process itself which guides the formation of the rotational. In comparison the design description is modified only by changes to and refinements of the design objectives. thus capturing the rotational as part of the design process

Active document-based:-

The DR is pre-generated and stored in the system. In these system the designer creates the design and the DR system generates the rotational for it based on the system's stored knowledge. For each decision made the system compares the decision made by the user with the decision that it would have made based on its knowledge. if the action of the user conflict with the system recommendation they are given the option of changing their decision or modifying some of the criteria.

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Qno4

Answer.

good and bad website

The core difference b/w good and bad website lays in usability appeal consistency and an ability to help companies achieve business goals. A good website can be boast a clear structure easy to use navigation and non distracting design while a bad website make you feel confused or even annoyed

good website:

- A good website is Dragg.pk
- in this there is a search bar on the top
 - in this there is details about different things
 - easily go to the menu.
 - in there is a consistency
 - in this there is own header and footer
 - the Dragg.pk is easy flow type website

url: DRAGG.PK

bad website

- The biggest problem is that the site doesnot use a grid. unbleable navigational structure. poor typography makes its unreadable. Random use of colours.

url: Aringren

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Ques:- write the Shneiderman's Eight Golden rules?

The eight golden rules are as follows

1) Strive consistency:-

Consistency Sequence of action should be required in similar solution, identical terminology should be used in prompts, menus and help screens, and consistent command should be employed throughout.

2) Enable frequent users to use shortcuts:

As the frequency of use increase so do the users desires to reduce the number of interaction and to increase the pace of interaction. Abbreviation, function key, hidden commands, and macro facilities are very helpful to an expert user.

3) Offer informative feedback.

For every operator action there should be some system feedback. For frequent and minor actions, the response can be modest while for infrequent and major actions the response should be more substantial.

4) Design dialog to yield closure:-

Sequence of actions should be organized into groups with a beginning, middle and end. The informative feedback at the completion of a group of action gives the operators the satisfaction of

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accomplishment, a sense of relief, the signal to drop contingency plans and options for their minds and an indication that the way is clear to prepare for the next group of actions.

5) Offer simple error handling:

As much as possible, design the system so the user cannot make the serious error. If an error is made the system should be able to detect the error and offer simple, comprehensible mechanisms for handling the error.

6) Permit easy reversal of actions:

This feature ~~etc~~ relieves anxiety since the user knows that errors can be undone it thus encourages exploration of unfamiliar options. The units of reversibility may be a single action, a data entry or a complete group of actions.

7) Support internal locus of control:

Experienced operators strongly desire the sense that they are in charge of the system responds to their actions. Design the system to make users the initiator of actions rather than the responders.

8) Reduce short term memory load:-

The limitation of human information processing in short term memory requires that displays

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be kept simple multiple pages display to be consolidated window-motion frequency be reduced and sufficient spacing timing be allotted for codes mnemonics and sequence of actions.

Qno:- You are familiar with internet explorer. Explain any five usability goals in terms of internet explorer justifying your each goal with example.

Qno:-

It is one of the most safest browsers because it will not make the unprintable solution for you mean it will not take you to understand site.

Example:-

Trust don't want any personal details.

Qno:-

It will provide the right personality means it will take you there where you want to go means string forward.

Example:-

It features a new interface that allow for both use as a desktop application and a window application

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Paricom:-

Support for Paricom was first added to Internet Explorer. Internet Explorer supports Paricom in PNG, Static GIF and native window icon formats.

update by Microsoft

IE is developed by Microsoft they gave regular updates its pre-installed in the window that's why it is most usable browser in world. Microsoft added new features due to which IE became the most easiest and useful browser till now.

Example:-

Internet Explorer 11 (IE11) is the eleventh and final version of the Internet

learn ability:-

The most easiest browser once you see it there is nothing to worry about means very simple to use it will not waste your time to understand IE.

Example:

no Extra Tools.