

Date

Name : ABDULLAH Tahir

ID : 13789

Subject : HCG

## Question 1

• If sitting and working on a wooden chair and using computer, All of the issues are related on comfort bases

- 1) You cannot sit on a wooden chair for longer duration.
- 2) You can have body pain while working
- 3) You can be uncomfortable and won't be able to focus.
- 4) As it is a stiff chair so you can not move around as you can on a chair having foam and wheels to move.
- 5) This chairs don't have arm rest so you cannot keep working for more than 5 minutes

## Question 2

## Paradigm :-

The collection of beliefs and concepts is what is known as a paradigm. Which is a set of theories, assumptions and ideas that contribute to your worldwide view or create the framework from which you operate everyday.

For example :-

You have heard the phrase "The American way of life" which is a paradigm because it refers to a collection of beliefs and ideas about what it means to be American.

## \* Paradigm Shift :-

The Paradigm Shift tends to appear in response to the accumulation of critical anomalies. It is an important change that happens when the usual way of thinking about or doing something is replaced by a new and different way.

### Question 3

#### ∴ Rationale Design:

The Design Rationale means statement of reasoning underlying the design process that explain, derive and justify design decisions, it includes not only reasoning behind a design decision but also the justification for it, and the argumentation that lead to it.

#### Types of Rationale:

##### \* Argumentation Based:

the design rationale is primarily used to represent the argument that define a design. These arguments consist of issues raised, alternative response to these issues.

##### \* History Based:

It consist of design history. The sequence of events that occurred while performing design. The information can be stored in many forms like as entries on note book or an archive email.

### \* Device Based :-

A model of the device itself is used to both obtain and present rationale. Its explanation of design would be produced by using the model to simulate the behaviour of the device.

### \* Process Based:-

The DR capture is integrated into the design process itself which guides the formation of rationale. The design description is modified by changes to and refinements of the design objectives.

### \* Active Document Based:-

The DR is pre-generated and stored in the system. In this system the designer creates design and DR system generates the rationale for it based on its system stored knowledge.

## Question 4

## AMAZON

- 1) The good thing I like about Amazon.com is that it has millions of products and can ship anywhere around world.
- 2) The thing I felt missing was the language option. There is only english. If somebody is not aware of english or cannot understand english, it will be quite hard for him to order a product.

## ASK

- 1) The good thing is that you can get a lot of useful information from it.
- 2) The thing it lacks was the UI of the home page was not so attractive, it was much of an old fashion. If it get modified people will find it more appealing.



amazon

Sign In



Search



Whole Foods Lists Deals Video Music Best Sellers

 Deliver to Pakistan

We ship 45  
million products  
around the world



Sign in for the best experience

Sign in

Create an account



Deal of the Day



Search input field with the word "Search" and a magnifying glass icon on the right.

Deliver to Pakistan

We ship 45 million products around the world



Sign in for the best experience

Sign in button

Create an account



Deal of the Day





## Question 5

## ★ Shneiderman 8 Rules :-

## 1) Strive for Consistency.

The word "consistent interfaces" means using the same design patterns and the same sequence of action for similar situations. This includes but isn't limited to the right use of color, typography and terminology.

## 2) Frequent user to use shortcut.

Speaking of using UI rules as shortcut your users will benefit from shortcuts as well, especially if they need to complete the same task often.

- Abbreviations, function keys, macro facilities hidden command.

## 3) Informative Feedback

You need to keep your user informed of what is happening at every stage of their process. The feedback should be useful and relevant.

## Question 6

Ans) Have the good utility :-

The explorer should have the basic utilities where the user can get all of it what he needs easily and the explorer can perform what user wants it to perform.

#### \* Efficiency :-

It should be efficient and can perform tasks to the way system support user.

e.g fast to perform task

#### \* Learnability :-

The system can be easily understandable so user can work easily. If it is complex user will not use it.

#### 1) Effective :-

It can perform its task well for what purpose it is created.

1) Safe =

Example

It should be safe from threats and external issues, it should keep data private of user like shopping online user puts it bank number etc.

2) Reduce Short term memory load:

If we keep our interface simple and consistent, obeying to patterns, standard form and conventions, we already contributing to better recognition and ease of use.