

Name: Talha zaheer ①

Rollno: 16L-4278

Subject: Human Computer Interaction

② ③

1) Strive for consistency:

Flex has a side menu which is an example of consistency. To show the options available ~~to the user~~, they are grouped separately and their design is same.

2) Enable frequent users ~~to use~~ shortcuts:

Clicking on the top left of the page where flex icon is displayed takes to the home page. Frequent users can take this as ~~a~~ ⑤ shortcut to go to the home page quickly.

3. Offer informative feedback:

If a student registers a course on flex, Then ~~the~~ that subject is shown ^{as} registered in the course registration category. Moreover, the section enrolled is also displayed.

1. Design dialog to yield closure:-

During login, If a user enters wrong credentials then the system prompts the user with a design dialog to yield closure. It provides the user to clear way for the next group of actions.

5. Offer simple error handling:-

In the course registration

Section, The ~~courses~~ the courses which the student is not eligible to register are displayed ~~as~~ ~~courses~~ as red and user cannot register them. This stops the user from doing a serious error.

6. Permit easy reversal of actions:-

We can change the option of taking exam at campus lab or not. Even if the student makes a choice firstly he can change that later.

7 Support internal locus of control.

Changing the password by providing the old password makes the student feel that he is in charge of the system and the system responds to his actions.



Sign In

Incorrect Roll No. Or Status Not Current



Roll No.



75

Roll Number i.e (17I-1234)

Password



.....



Remember me

[Forgot Password ?](#)

Sign In

8 Reduce short term memory load:- ③

All the openable links become yellow when they are hovered over. This allows the user not to remember too much that which link can be opened and which can't be.

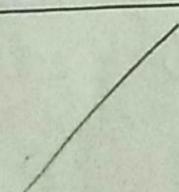
Q-6

Contextual task analysis allows the researchers to understand the task procedures that the user follows to achieve the goal. It allows the researcher to understand the procedure from the user's point of view. It tells the developers about whether the system is usable or not.

Real word example:-

If I want download the picture of FAST University logo, Then the steps are:-

- Open google.com
- Type "FAST University logo" in search.
- Go to the image
- Click a image and right click to download.



S-4

(4)

File application:-

Goal: ~~Open transcript and save it as a page~~

Open transcript and save it as a page

We assume that the user is already on the home page of the web application.
The steps are:-

- 1- Move mouse to the transcript tab
- 2- Left click on the transcript tab
- 3- Press "Ctrl-S" to save.
4. Move mouse to the save button.
5. Left click on the save button

Steps	Operator	Time
Mentally prepare	m	1.3s
Move mouse to the transcript tab	p	1.1s
Left click on the transcript tab	b	0.2s
Press "Ctrl-S" to save	k	0.2s
	/	



Student Profile

Home

University Information

Roll No: 16L-A278

Degree: BS(CS)

Section: E

Campus: Lahore

Personal Information

Name: Talha Zaheer Sipra

DOB: 12/16/1997

Gender: Male

CNIC:

Email: tzaheer64@yahoo.com

Contact Information

Type here to search



DELL

Steps

Operator (1)

Time

1. Open chrome

2. Click on save

Move mouse to the
Save button

P

1.15

5

Left click on the
Save button

b

0.25

$$1.35 + 1.15 + 0.25 + 0.25 + 1.15 + 0.25 = 6.15$$

State application:-

Goal :-

To view assignment no 1 from the course
"Human computer interaction".

We assume that the user is already
logged in. The ~~no~~ steps are:-

1. Move mouse to the sites tab.

2. Left click on the sites tab.

3. Move mouse to the HCI tab

4. Left click on the HCI tab

5

Operator 2

Time

⑥

Move mouse to the resources tab.

Click on the resources tab

Move mouse to the assignments tab

Click on the assignments tab.

Move mouse to the assignment no 1 tab

Click ~~on~~ on the assignment no 1 tab to view.

Steps	Operator	Time
-------	----------	------

Mentally prepare	m	1.35
------------------	---	------

Move mouse to the sites tab	p	1.15
-----------------------------	---	------

Left click on the sites tab	b	0.2
-----------------------------	---	-----

Move mouse to the HCL tab	p	1.15
---------------------------	---	------

Click on the HCL tab	b	0.2
----------------------	---	-----

Move mouse to the resources tab	p	1.15
---------------------------------	---	------

Click on the resources tab	b	0.21
----------------------------	---	------

Move mouse to the assignments tab	p	1.15
-----------------------------------	---	------

Click on the assignments tab	b	0.25
------------------------------	---	------

Steps

Operator P

Time

Step	Time
Move mouse to the assignment no 1 tab	11s

Step	Time
Click on ^b on the assignment no 1 tab	0.25

To view

Time:

$$\begin{array}{r}
 1.3 + 1.0 + 0.2 + 0.1 + \underline{0.2 + 1.1 + 0.2 + 1.1 + 0.2} + 1.1 - 0.2 = \\
 3.7 + 2.6 + 1.5 = 7.85
 \end{array}$$

Question no 1
(a)

1) Goal:-
Check transcript in the transcript section.

2) Execution:-

- a) Intention:-
I want to basically check the transcript on FLEX app
- b) Specification of actions:-
I will have to click the transcript tab and then the transcript will show up.

(c)

Execution:-

1. I will login to flex.

2 Click on "transcript"

3. Evaluation:-

(I) Understanding the state of the system.
The front end tells us the page

we are on

ii) Interpretation of state:-

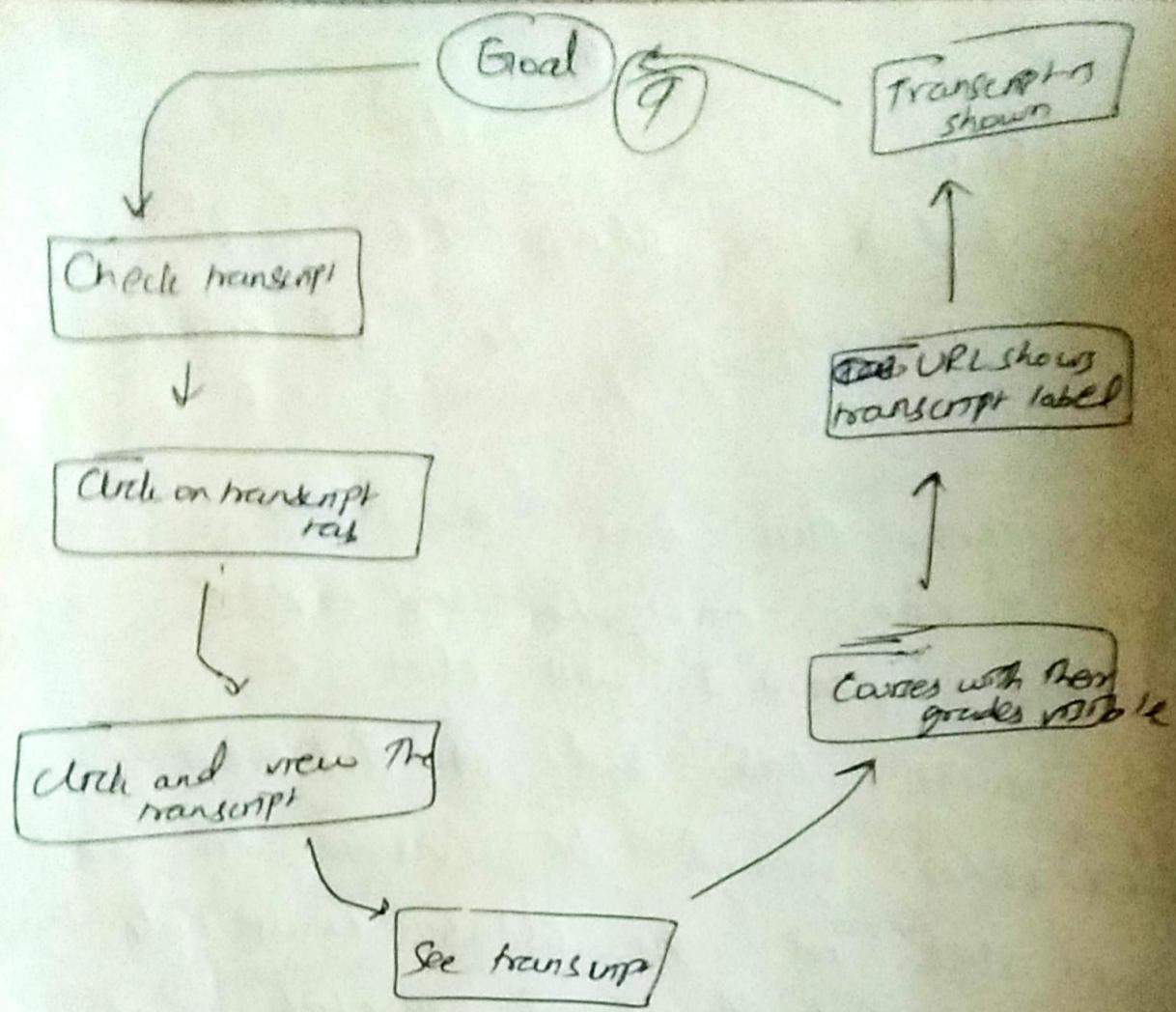
It shows that we are on

the transcript page.

III) Evaluation of state:-

transcript is shown.

8



(b)

Q

1. Articulation:-

The goal is to check the marks I have obtained in the SE course final.

For this, Flex has a menu which I can navigate to explore different options. I will click on the marks tab and as different ~~course~~ codes ~~25~~ would be visible to me, I will click on the CS303 course code which is that of SE. I will click on it and open the "final" tab. I will then see my marks there.

2. Performance:-

Flex has clearly shown everything. There are separate tabs to categorize different categories. Everything is very crystal clear to understand.

3- Presentation

The presentation of the final ~~class~~ goal is very nice. Everything is properly categorized. We can view standard deviation, ~~minimum~~ marks and maximum marks etc.

4- Observations-

The targeted goal is being displayed and that too without any issue and problem. This is our desired result which we have got.

O-2

(9)

Gulf of execution is defined as the entity in which there is a contrast in what the user actually wants to do and what the system allows the user to do.

Example:-

Q2

My intention is to stop the installation of a software on my system. But the system prompts me whether I really wants my installation to be stopped.

Example 2:-

My intention is to stop the ~~update~~ of the file but the download

System prompts me whether I really want to stop / downloading.

Gulf of evaluation

The contrast b/w what the system actually outputs us to what we really intend is called gulf of evaluation.

Example 1

expect

1.

I expect the file to delete
when I delete it or ~~it~~ it goes to
recycle bin.

Example 2:

I expect the file windows
update to be cancelled when I
press ~~Ctrl~~ Alt + F4 but it
doesn't get cancelled.