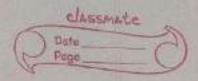
Assignment No. 2

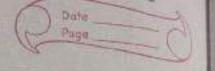
1 a) What is meant by GOMS? Give an example. Ans 8-12 GOMS Stands For (Goals, aprelators , Methods and Selection ? 2) GOMS is a family of predictive models of human performance that can be used to improve the efficiency of human machine interaction by identifying and eliminating unnecess--any user actions 3) Goals g- The goals describing what the user wants to achieve Operators 8- These are the bosic actions that the user must perform in order to use the system Methods of These are typically soveral ways in which goal can be split into Subgoals. example 3-Goals (G) as a task to do eg ec Send e-mail " aperators (C) as off actions needed to achieve the goal e.g comount of mouse click to Send email " Methods (M) as a group of aperators e.g e move mouse to send button, Click an the button".

Page Page

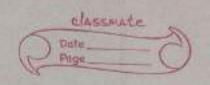
Give an example. 058-1) Cognitive complexity tefer to the number of mental shutture on individual uses , how abstract they are and how they interest to Shape his discorpment 2) Individuals with high Cognitive complexity have the capacity to a -nalyze a situation to consistent elements. Those individuals think in a multidimensional way. 3) Individuals with high Cognitive Complexity ore open to now infor--motion, highly flexibility, effectively , strategre Uplanners, effective com-- municators, good leaders example &-It is a simple task than writting a term paper many more Cognifive processes are involved in writing the paper, such as using online resources, doing effective vesearch and writting within specific style add tone



. 2 a) Describe in detail about byper text, Multimedia, WWW 9 53- is Hypertext 8a) Hypertext is text displayed on a Computer display or other electronic devices that references Chyperlinks to ather text that the reader can immediately access. b) Hypertext documents are interconnec--ted by hyperlinks, which are typically activated by a mouse click , hyper Keypass set or Screen touch C) The hyper text enables the user to navigated through text in nonlinear way. 11) Multimedia 8a) Multimedia is the use of computer to present and combine text, graphics, audio and video with Unks and tools that let the user navigate , interact and create. b) Maltimedia is used to represent information in an interesting and interactive manner it combines text, audio, video , graphics and animation. ex 8- Text in fax, Pholographic images



111/ WWW 8a) WWW stands for World Wide Wa is a basically a system of lating servers that support specially formuled documents. b) The documents are formated in a markup language called HTMI CHypertext Markup language that Supports links to other documents + 05 well as graphics , audia and Video files. C) The world wide web Cwww or Web) consists of a worldwide collection of electronic documents Called Web pages



57.2	b) Differentiale linear text vs hyper text in Communication.	
The state of the s		
Ans 8	The second secon	
-	uneav text	hypertext
	1) The linear text	1) Hypertext is Read
	is Read only	Mule
	2) Refers to traditional	
	text that needs to	which Junks to other
	be read from beginning	Same or dillerat dacument
1 00	to the end	Same or cultering clarument
	a) TI is anly one	3) 1/ is on inter-
	3) There is only one teading path which is	connected network
	decided by outer	of documents unked
		THE RESERVE OF THE PARTY OF THE
	4) Typically includes	4771 Simply allows
	printed texted	0505 10 000
	protection	one document to
	A STATE OF THE SAME AND A SAME AN	another . 1
	5) ex Novel , packy	5> 11 tepresents
100	letters textbook	multimedia Content
	Newspaper articles	in electronic text
	1 May 1	format.
		HI MANUEL AND LONG TO SERVICE AND ADDRESS OF THE PARTY OF
	(4)	MEA DESCRIPTION OF THE PARTY OF

(3) 0) Briefly explain about mobile Application Medium Types. The mobile medium type is the type of application frame--work or mabile technology that presents content or information to the user. It is a technical modum to use. This decision is determined by the impact it will have on the User experience. SM5 3i) The most basic mobile application you can meate is an GMS application. it? Although it might seen add to consider text message applications, they we nonetheless a designed experience that support SMS , these applications can be useful tools When integrated with other mabile application types. tox example, sending the knyword - Free bie 11 to a hypothetical short Code - 12345 11

Q.36 Give detail description about

Ansi- 1) Mabile ecosystems can be broadly characterised as comprising the following care set of products:

Mobile device: smortphones and tablets which can connect to the internet.

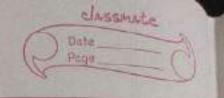
There are some mobile ecosystem in

J. Devices 8- The mobile ecosystems easompasses a wide tange of devices, including smortphones, tablets, wearables.

2. Operating Systems and platforms, 8Mobile devices run on Various
operating systems, such as Android
, Ias and others, Each operating
system provides a unique set of
user interface.

3) Applications &- Mobile apps play a central tale in the mobile ecasystem

App stores & such as the Apple
App Store and Google Play Store.



Mobile User interface over designed to be touch - central and user friendly.

designed to be constantly collubre optworks.

There are other ecosystems in

Hat are

i) Location based services

II) Sensors

III) Accessibility

iv) Security and privacy

v) Ecosystem partners.

Architecture 2 Explain it with neat diagram.

Ansi Mobile Imformation Architecture

refers to the arganization and

refers to the arganization and structure of imformation and content on mabile applications and websites.

The key elements of mobile infar-

J. Content Hierarchy &- Structuring Content in a logical and hierarchical manner.

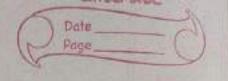
2. Navigation 8- Designing intuitive navigation menus and control to help users move between dilluent sections.

3. Search functionality &Implementing effective search
Implementing effective search

features that allows users to

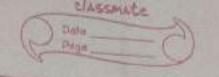
quickly locate specific imformation

or products.



4. Labels and Taxonomy 8- Assigning clear and consistent labels to a Content

Home About us Product and Sorvice Support Newsand evants Blog 5 Le cations Contact US



Design.

Design.

There are six elements of mobile

design are :
1. Context &

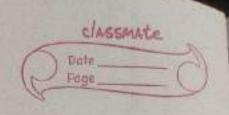
The Context is core to the mabile experience. As the designer it is your job to make Sure that the user can figure out how to address context using your app.

1. Message 8Message is the overall mental
impression you weate explicitly
through visual design.

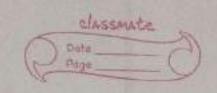
3. Look and feel &
Look and Feel is used to

describe appearance, as in I want
o clean look and feel or t want
o usable look and feel.

4. Layout 3Layout is an important design
element, because it is how the
user will visually process the page
but the Structual.



The fifth design element,
alox is bard to talk about
in a black and while book.
The most common obstacle
You encounter when dealing
with color is mobile stream.



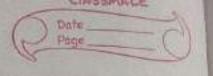
drop operations.

Move the pointer to the object press and hald down, the button on the mouse or other pointing device to grah' the object to the designed location by moving the pointer to this one or Drop'd the object by releasing the button.

Norking 8-

The drug and drop process
usually begins when the user select
an objects, tile or text by clicking

- e Feedback of As the user starts diagging a visual tepresentation of the selected Hem Coften called a" diag image or diap) is created
- the application or window and the diagged.



2. Dropping & To Complete

Target Selection & To Complete

the diag and drop operation, the

asev must identify the target

Incotion where they want to place

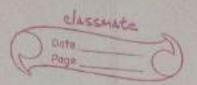
the diagged item.

- a potential deap target , the system often provides visual cause to indicate whether the deap is allowed or not
- satisfied with the target location ithe release the mouse button.

Classaute Duta

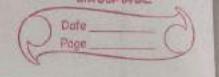
5 b) Describe in detail in about Direct Selection 2 Direct selection in the context of Human - Computer Interaction (Ha) lefers to a user interface design method that allows user to directly interact with on screen objects or dements , such as buttons, icons or links to perform actions or make selections. Direct Selection is a user intulace technique where user interact with graphical elements on the screen by directly pointing. Types of Direct Selection 3-1) Point and click 2) Diag and drop 3) Touch Soveen Interaction 4) Usability and Efficiency 5) Foodback 6) Challenges_ 7) Gestures and Multi-Touch

2.6 0) Explain in detail about Contextual tools ? Ans 8 - Contextual tools in HCI relieve to Software or hardware dements that help the system understand and adapt to the user context Type of contextual tools ?-1. e Sensors & Device like GPS, acelevameters, gyrascope. 2. User probling &- collecting data about babit and behaviour of system 3. Context - aware Software 8-Applications and system that adjust their behaviour hased on user Context 4. Contextual User Interface 9-Adaptive Interace that change their layout and Content based on context Usage of Contextual tools & a. Adaptive Content b. Location based Services C. contextual Recommendations C. Situational Awareness



5.6 b) Describe in detail about overlay and its types?

An overlay is graphical or informational layer that is placed on top of an existing image, video additional Imformation. There are some types of averlays &-1. Text overlay 8-The text overley are used to display textual int Information on top of an image or video. exi- date and time (stams on photos. 2. Image Overlay 8top of another to create o composite image to add branding elements ex Watermarking images. 3. Video overlay 8-Video overlays are used to Superimpose one video on top of onother often for picture in picture effects. a Gaming streams with a webcam VIPE OID a Corner



4. Interactive overlay 8
Toteractive overlays enable
User interaction by adding
Clickable elements, buttons.

Ex Touchs even interface on

ATMS

5. Augmented Reality CAP) overlays of Ap overlays blend digital Captent with real world through a devices comera View.

Ex Pakemon Gos virtual creatures in the real world.