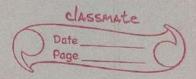
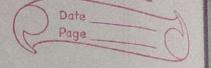
Assignment No. 2

1 a) What is meant by GOMS? Give an example. Ans 8-17 GOMS Stands For (Goals, operators Methods and Selection? 2) GOMS IS a family of predictive models of human performance that can be used to improve the efficience of human machine interaction by identifying and eliminating unnecess-- any user actions. 3) Goals &- The goals describing what the user wants to achieve Operators &- These are the basic actions that the User must perform in order to use the system. Methods &- These are typically soveral ways in which goal can be split into subgoals. example &-Goals (G) as a task to do eg ec Send e-mail " operators (C) as all actions needed to achieve the goal e.g e amount 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"

Q.16) Define (ognitive complexity theory ns 8-1) Cognitive complexity refer to the number of mental structure on individual uses , how abstract they are and how they interest to Shape his discernment 2) Individuals with high Cognitive Complexity have the capacity to a -nalyze a situation to consistent elements. These individuals think in a multidimensional way. 3) Individuals with high Cognitive Complexity ove 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 Cognitive processes are involved in writting the paper, such online resources, doing effective research and writting within Specific Style ddd tone



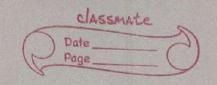
.2 a) Describe in detail about hyper text, Multimedia, WWW 9 153- iz Hypertext 8a) Hypertext is text displayed on a Computer display or other electronic devices that references Chyperlinks to other text that the reader can immediately access. b) Hypertext documents are interconnec--ted by hyperlinks, which are typically activated by a mouse thick, hyper keypass set or screen touch C) The hyper-lext enables the user to navigated through text in nonlinear way. 11) Multimedia &a) Multimedia is the use of computer to present and combine text, graphics, audio and video with Links and tools that let the user navigate, interact and create b) Moltimedia is used to represent imformation in an interesting and interactive monner , It combines text, audio, video, graphics and animation ex 8- Text in fax, Photographic images



111/ WWW 8a) WWW stands for World Wide Wel is a basically a system of Internel servers that support specially formuted documents. b) The documents are formated in a markup language called HTMI CHypertext Markup Language) that supports links to other documents as well as graphics , audia and video files. C) The world wide web (www or web) consists of a worldwide collection of electronic documents Called Web pages.

(7.2 b) Differentiale linear text vs by		text vs byper
	text in Communic	cotion.
Ans &	110000 1001	barranalant
1 -	· ancovient	hypertext
	1) The linear text	1) Hypertext is Read
	is Read only	/Wille
	2) Refers to traditional	2) Il refers to text
	text that needs to	which unks to other
The Asset	be read from beginning	chunks text written
	be read from beginning to the end	same or different dacument
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NAME OF THE PARTY
	3) There is only one	3) It is an inter-
	teading path which is	Connected network
	decided by outer	of documents unked.
		4) It Simply allows
E Ente	U , YD CULY	Users to Jump from
	printed texted	one document to
		another &
	GRAN MARKETAN AND AND AND	10/AL 2
	The almost papers	5> Il tepresents
	1 letters textbook,	multimedia Content
	Newspaper orticles	in electronic text
	Newspoper o	format.
		11612007
		The Contract of the Contract o

(2.3 a) Briefly explain about mobile Application Medium Types. The mabile medium type is the type of application frame--work or mobile Technology that presents content or imformation to the user. It is a technical medium to use. This decision is determined by the impact it will have on the User experience. SM5 % i) The most basic mobile application you can weate is an GMS application. ii) Although it might Seen odd to consider text message applications, they we nonetheless a designed experience 1112 Given the ubiquity of device that support SMS , these applications can be useful tools When integrated with other mabile application types. tor example, sending the keyword - Free bie 11 to a hypothetical short Code - 12345 11



Q.36 Give detail description about Mobile Ecosystem.

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

Mobile device: smortphones and tablets which can cannect to the

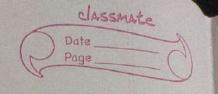
There are some mobile ecosystem in HcI 8-

1. Devices 8- The mobile ecosystems
encompasses a wide tange of
devices, including smartphones,
tablets, wearables.

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

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

4. App stores &App stores , Such as the Apple
App Store and Google play Store.



5) User Interface (UI) &
Mobile User interface ore

designed to be touch - central

and user Friendly.

6) Connectivity 9- Mobile devices are designed to be constantly connected, whether through collubre optwarks.

There are other ecosystems in

Hat are

i) Location based services

II) Sensors

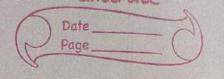
III) Accessibility

iv) Security and privacy

v) Ecosystem partners.

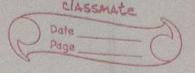
7.4 a) What is Mobile imformation Architecture? Explain it with neat diagram. Mobile Imformation Architecture refers to the organization and structure of imformation and content on mobile applications and websites. The key elements of mobile imfor--mation anthitecture g-I. Content Hierarchy & Structuring Content in a logical and hierarchical monney, 2. Navigation 8- Designing intuitive navigation menus and control to help users move between different sections. 3. Search functionality. &Implementing effective search:

features that allows users to quickly locate specific information or products



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

Home About us Product and Sorvice Support Newsand evonts Blogs Lo cations Contact US



0.4 b) Explain about Flements of Mobile Design.

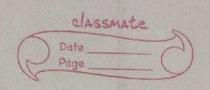
There are six elements of mobile design are 0-1. Context &-The context is core to the mobile experience. As the designer it is your job to make Sure that the user can figure out how to address context using your app. 2. Message o-Message is the overall mental

impression you weate explicitly through visual design.

3. Look and feel 3-Look and Feel is used to describe appearance, as in I want a clean look and feel or t want a usable look and feel.

4. Loyaut 8-Layout is an important design element, because it is how the user will visually process the page but the structural.

	5/ Color 8-
THE RESIDENCE AND PERSONS	The fifth design element.
BOOK STREET, SQUARE,	dor is hard to I talk about
	in a black and white book.
	The most common obstacle
	you encounter when dealing
	with color is mobile stream.
ı	CAT AL INDICATE OF A LABOR TO THE STATE OF T

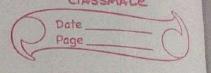


D.5 Explain in detail about drag and drop operations.

Move the pointer to the object press and hold 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 ee Drop's the object by releasing the button.

Working 9-

- The drug and drop process
 usually begins when the user select
 an objects, file or text by chicking
 on it.
- e Feedback 3- As the user starts
 diagging a visual tepresentation
 of the selected item (often called
 a" drag image or drop) is Greated
- · Constraints & The cursor typically temains within the boundaries of the application or window and the diagged.



2. Dropping &. Target Selection & To Complete

the drag and drop operation, the

aser must identify the target

location where they want to place

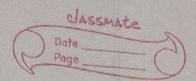
the dragged them.

- Hoveving &- At the user approaches a potential drop target, the System often provides visual cause to indicate whether the drop is allowed or not
- Satisfied with the target location the release the mouse button.

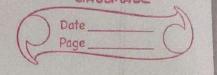
(5 b) Describe in detail in about Direct Selection 9 Direct selection in the context of Human - Computer Interaction (Ha) refers to a user interface design method that allows user to directly interact with on-screen buttons, icons or links to perform actions or make selections. Direct Selection is a user interface technique where user interact with graphical elements on the screen by directly pointing Types of Direct Selection 3-> Point and click. 2) Diag and drop 3) Touch Smeen Interaction 4) Usability and Efficiency 5) Feedback 6) Challenges 7) Gestures and Multi-Touch

2.6 0) Explain in detail about Contextual tools? Ans8+ Contextual tools in HCI retex 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 profiling 3- Collecting data
about habit and behaviour of system 3. Context - aware Software 8-Applications and System that adjust their behaviour hosed on user Context 4. Contextual user toterface 8-Adoptive Interace that change their layout and content based on context Usage of Contextual tools & a. Adaptive Content b. Location based Services C- contextual Recommendations e. Situational Awareness



5.6 b) Describe in detail about overlay informational layer that is placed on top of an existing image, video ox screen content to provide additional Imformation. There are some types of overlays &-1. Text overlay 8-The text overlay are used to display textual inf Information on top of an image or video. exi- date and time Ustams on phatos. 2. Image Overlay 8-It is placing one image on top of another to create a composite image to add branding elements ex Watermarking images. 3. Video overlay.8-Video overlays are used to Superimpose one video on top of another, often for picture in picture effects. & Gaming streams with a Webcam View Uin a corner



4. Interactive overlays enable

Toteractive overlays enable

User interaction by adding

Clickable elements, buttons.

Ex Touch screen interface on

ATMs.

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

Ex Pakemon Gos virtual Creatures in the real world.