Page No:... 6 Roll, Wo.: 51810003 4 Subject: HCI Qy. Ay Oser profile is a collection of setting and information associated with a user User profile 1 helps in associating characteristics with a bser.
Uses profiling is the process of establishing browledge
about the weeks fox example who were asse To. engineer etc. and what is the goal in using the product and what I are the tasks involved in the system. Does Uses profiling plays are vital vole for designing a cres interface because it helps is to know about the user or our domain for the interface. There are two type uses uses novice and copert. Novice is new user so if interface is complicated then the vovice usex may be facing difficulties for voing the intexface but expert tour
user can easily use the intexface.
Background and skills we get to know the uses with the help of user profiling. There are some other attributes of users. which help are to brow "who are the users".

SISTORES

SISTERIORS

SISTERIO

Iterative Formative testing
Design

Final released Moduct

This is the first step of usability Engineering lifecycle in which we determine the skills, bnowledge and the user population disc. Task analysis allow us to identify the goals of purpose of the user group.

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I'dentify usability goals based on user requirements
After finding identify the requirement we identify
the usability goals. Usability is defined by
five components: learnability, extox, efficiency,
memorability, so and subjective satisfaction.

(ii) Checkout similar products For this whase we do competitive analysis of restroaxe components and of competing system so we get to know how much our system or product is different and better as compared to other existing products.

10) Design and prototype a solution
Build a prototype in this phase then
compare with draft designe !

v) Evaluate prototype
Perform evaluation as carry as possible in the
design cycle by building & cualitating prototype
Testing will perform by real usex assigning
him with real task. After the Reiterate step 4-5
until us users are satisfied.

b) Tips for designing a good questionnaire for data gathering There are those two type of questionnaire open end and close end questionnaire. A good questionnaire should be valid, tel reliable, S1810003

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Clear and interesting. It is impostant to design the questionnaire based on a conceptual Hanework each question is belevance and Clasity. The rumber of questions should be limited. The language of the questions should be simple and easily understandable.

do The study of relationalship between usability goals and uses types is impostant for design for different uses

Novice uses: No or may be limited knowledge of the occupational task to be performed to of computer and interface concepts.

· Know ledgas le Tuternitent uses:-

It is easier for knowledgeable user to use interface.

- understanding of the task concepts
- Broad browledge of computer & interface concept
- Intermittently was use the system & may there
have problems with retention.

· Expect frequent wex:

There wells are throughly families with both task and interface concepts. They are families to the system so their efficiency is more than

any uses.

A2. Oucik & disty evaluation describes the common practice in which designers informally get feedback from users. In Usability testing involves becording typical user performance on task I in controlled setting.

Both the evaluation can be conducted in a by lab. In usability testing use uses's opinions collected by question paire of interview like a survey for which they product survey they gave customer a question paire of output at any stage of but usability testing is done when a prototype or a product is available.

QI.

Al. Impostant factors that need to be deft in mind while designing an educated mobile application for kids below to year old.

• The Br Mostly kids like the custom or anime character so we can use the have to use the graphics which looks attractive to the kids which can relate with the cartoon

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charactes, we don't have to use text based but interface , so that the bids don't get initate usuale reading or usual the application— tids loves play games, so we can add niving ames which helps the kids to learn something while playing the game.

— we can use more audios be videos because to years dd bid is interested to watch video pather than seading. So, videos must be in The batton rize must be larger as compared to other application's button and only the relevant Information is shown on the interface