Chapter 9 re is com system the way we desired. We have baseline which must be available. Baseline is taking manual system to computer and check is gives benefit or not Baseline product which we are moderning "Usertesting is enpansive, we test it after making design so changes would be difficult We want that we do it in every stage Prototype is made & checked by user. pretotype is made & chedred . Mathods are proposed for the evaluation of system such that a disaster change made Expert analysis is system is by the one who have expertly in us. Involve expert evaluation and dasigne than users. Non experts cont tell about how to salve it, it only tell about inves _ Symbol and metaphors are two digen thing. It this symbol is not the m of music. Symbol is not real world we just assign spomething to objects Metaphors are neal world thing

Evaluation is not made of anything like login somen unless you made any changes in in be caused. Enpert us er gen less training requied so, enject is cheaper. It's like mechanic is Mamerer respect user are Itil required. Somethings are only evaluated by users Design Gottique: solve miner issues. Finding flows that should be redesign when you those there is problem but enpert, can be used here seed evidence so that it becan they can give idea ye problem Difference blu user & enpert test cant aticulate Problem

(كف اوركسه ايرد) (ku (52 hg) get to know about gain insight why something happens problem. we take bout summay here It just tell system of system is better! Neut time if we use prior knowldge, it will - Think aloud protocol - No think aloud protect Cognitive Walthrough
what we is thinking.

- thew system is helpful to were System support
user learning. Without user we come to know
about user cognition, this is the goal how.

- Empert evaluation technique.

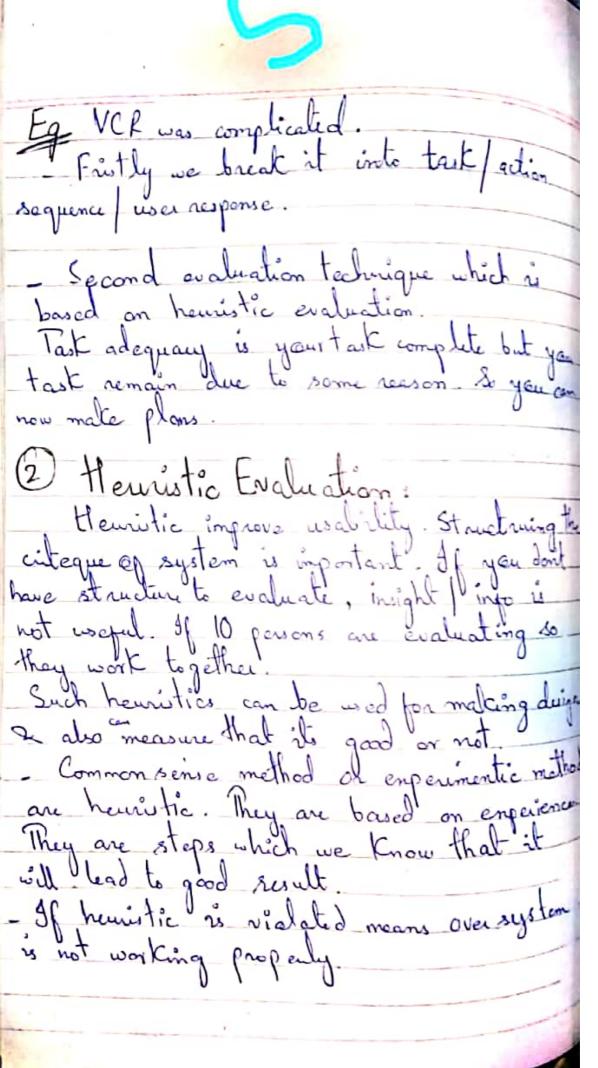
Note that we walk for - Domain enpent can do cognitive walk for smaller usabrility testing.

We user can do it by metaphors, by sheeking recall & recognition.

It is walkthrough interface by expect tack steps have greation and answer is given by have Sequence of actions that an interpre have

Jod - cognil malusted by user. Every expects pollow steps and evaluate in through these steps For each task walkthrough: 3) what learning problem? This is mitted problem is suprem not consistent When we see design, our goal is one point What is required for it? layout must be brainstorme detailed, not complete. tested. Full system is not Designers tell about list of actions to Wiere some goal who and what were I Cher goal is same as It will recognize by seging it, see the available action Will use get the feedback.

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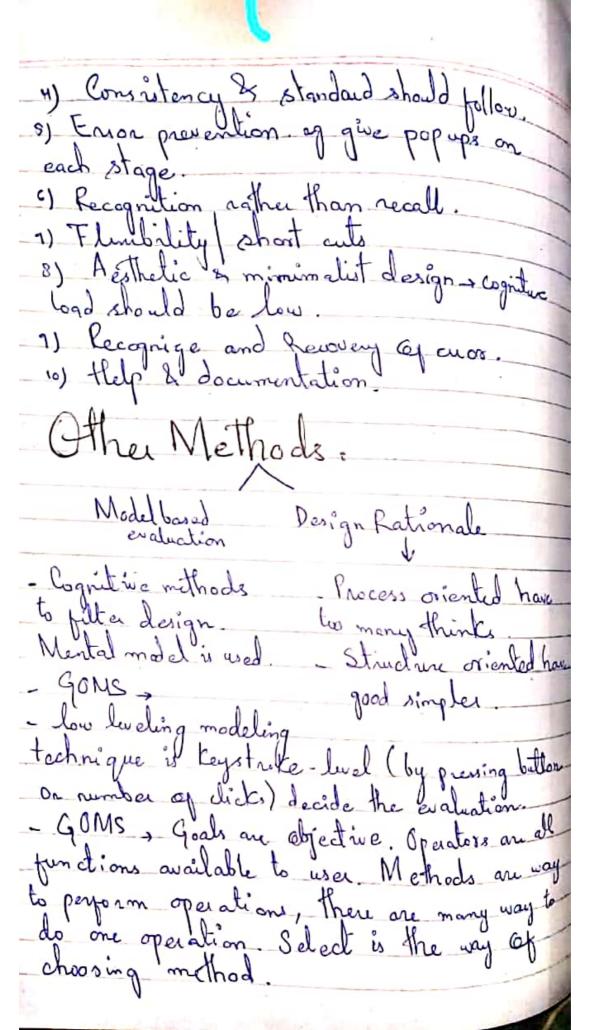
Il can be used for design evaluation specification we want to show always a good design for walkation. "Discount Usability technique" is its I helps in finding usability problem in U.

Different evaluator avaluates different problem

2 then communicate afterwards.

(Independent first, gather afterwards. We do harristic evaluation by following pinciples. I Phases of heuristic evaluation à evaluators. 2) Step | scenario to follow to build was insistency that each evaluator follow same Severity rating - defined rating gon. each problem Welson's ten point:
"Always Keep users informal out what is Joing on Metaphons I natural group.
There control I freedom . User lean from this and error.
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registrate model say that we want to islandate time for a single activity and we look want to evaluate it through user, we It to do it by ourself GOMS is used to make models and just apply the numbers of Keystroke to evaluate. Review based evaluation: (mostly) Pesults from literature is used to support or deny parts of design Evaluating through user participat we can't ignore were evaluation. Here we have to deal with many problems. It is used for filtering | refining. Experts have done avaluation and then users. All the evaluation methods we studied, used here (combination of all) - How to gather people. - How to deploy system on their Pc. Prober How to take responses from multiple wer have to test. Facilities & equipment are of for own so everything will be according

Faulities & environment are under au cotto Content is lose because when us a worked from home. The environment will be different eg. Election evaluation, flen logant efter 5 : When we want to test is alate things. Field Studies Deploy system to use's computer. Uses gets the real world env of their. Natural environment & interuptions are advantage. Distraction and noise are disduantage. Its because reg, changes a to product 1) Subjects of must be rep 1) Subjects inst be representation of real was
2) Variable Independent - rethange something
3) the others - Prediction of those danger. 3) the pothesis - Prediction of the outcome of anis 3) - Null hypothers - you can't prove mything og: It says DV don't have any affect on IV If we reject it so it become false and and all and our laim is true

Experimental design: we get fimiliar with activity between groups requires more user, no transfer of learning. It is bias if in some group there are people who are more genius so results will then bias. Within groups every one do the same inperiment. Variation is not affect here. No of people regimed here is less. ently and causes less biaines. Inansfer of having is easy inalysis of data easy, towerf system.

1 Mark -> 18/12/2020 Subject groups: long time for settle down, difficult to timet able. - Task must contain collabration so it helps people do communication . Zoom (call or meg). Decision James is to select something after discussion. Control task is one with collabration you can do task. - Data gathering, people use annotation tools in video. - Variation can be in blu or within graph - Distribution agnition - on different loc or diff hardware is used. Observational Methods: - Think aloud - you observe user, but not digtueb her You give task & just observe. - Cooperative _ User is with designer & both can do questions with each other User critics to the contract of the User cutige to system

Protocol analysis , tools are given to evaluate & abserve. Fecond is maintain by this. Past task walkthrough - You can user about how to improve a task. · You can analyse immediately or delayed. You just ask general data but related to data and dis is that wer is gresh in mind use don't vem here. why he do that There is no option which one is good, you can we any acc to task or hybrid to.