## 1 9/11/2020

9 to 13 => Software Engineering 13 to 25 => Dev OPs (Predicts 26 to 27 => Software testing (Vijey Sir)

# Sofware Engineering

Set of Brograms

procluprocedures

documentation

clata, etc

Software

application

System

Excery application

that is running

in our software.

& It is used by user

Ex VLC, etc

- Needs to be installed

- Drivers

. used for aperciting computer softwares.

- abready installed

Shw Engineering -> capplication of systemate, desciplined quantitiable approach to clevelopment, approach to clevelopment,

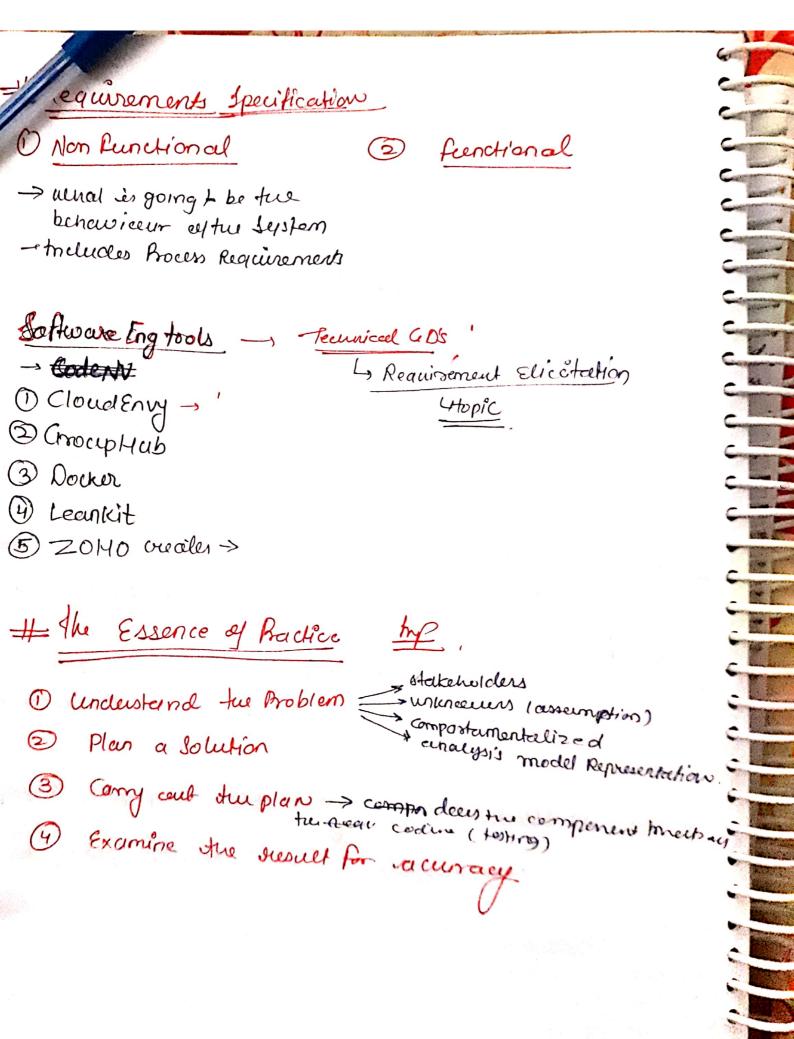
# Unique Characteristics of Software hrs
(1) Malleable -> cour be mude 1shaped coccords to
2 human- întensiue
3 Interngible - (connot be fouched) & hard to measure
(i) Complex
6 Hardwerre
Doesn't there cent -> physically can not be.
# Saftware Requirement specifications (SRS)
- Designed Idocumented accord to the orequirement of the client
> Requirements
1 Process -> Shared understanding of the proplems Devocess -> Broched of the Process le, Documentation
⇒ SRS in about basically what does my project consisted not
Alow House project is to be done (process out

Specisepi Specific - measurable

- Achievable - Reliable / Remotic

Timebound

Scanned with CamScanner



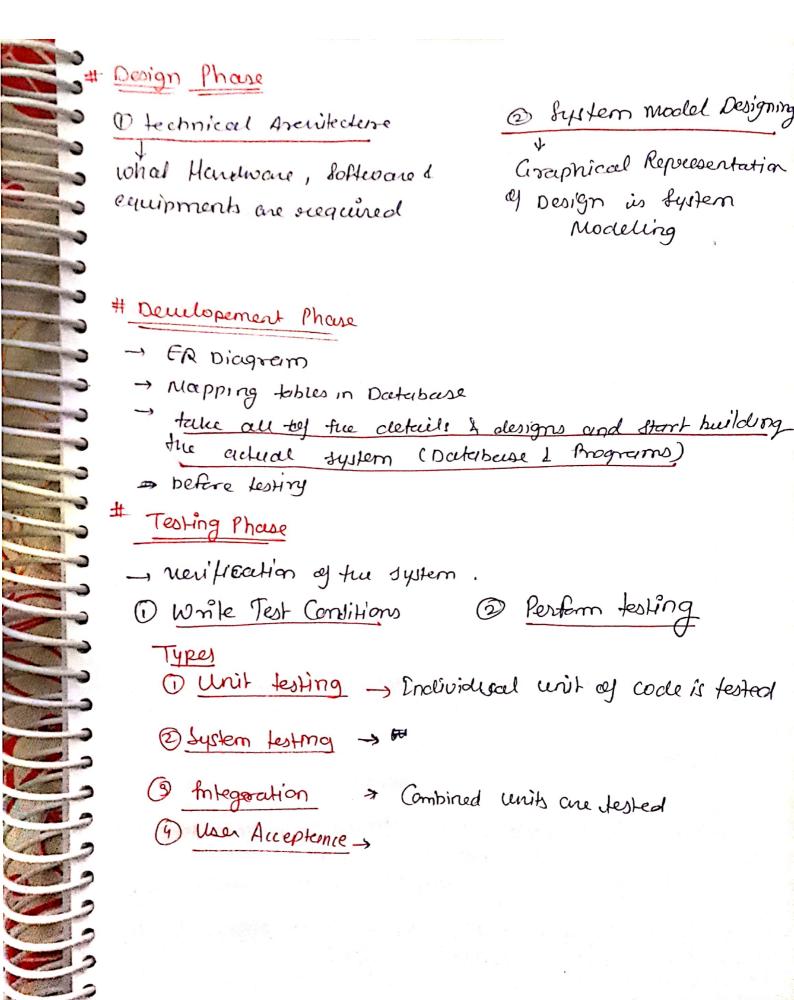
10/11/2020 Incremental model of Juffware Incremental Model of Software - model 2 (Homework) WRSAM model - Scoffwere chics -> Requirment Edicition -> fort nunagement Pheises of SDLC Planning -Analysis Design detre tu G Developement ( Testing mylem entertion Main teinence. Planning Truming O'Merel is the system to be developed. 2) Scope of the Project 3 Develop of Project Plun Analysis Burness Requirement Design Terrical Arrive office dystem model. Development Dalabase Coding

- Testing is done in this phouse tomplementation - Completion of User Documentation Maintainance - Phæse vener your need help Desk. Scope (rope - Dosigned Scope is something but it is not subsitied Scope Creep - occurs unen scope is sometting end planners e fecture Cr. Keeps inviewing scope feature or Unere you keep on adding additional features which are not tee part of initial planning #In Development Phase - task -> Resources - time constraints Analysis - aka feasibility Phase - Invalue Users and IT specialist to make the documentation of Project → 1 Business Requirements Crathering @ Prioritize the Requirements

Scanned with CamScanner

L, document

Requirement Defination Document



## Implementation Mase

- and they stop using a checked whether egulencer regiment regiment receipt and receipt and the end whether
- 1 Detailed User Documententon: Guidlines how to use the system
- Prouveling training :- Workshop training or contine training or une is precised to use the product.

## Types

- 1 Parallel
- @ Plunge
- 3 Plot
  - 4 Phased
- 1) Parallel :- Implement 2 systems simultaneously
- 2) Plunge :- Discord the old system completely a cur the new system
- 3 Pilot: Stort with small group of people with initially and then it inviewsing gradually accord to the user acceptance
- (9) Phased: Implementation on different phases if two product (entire project)

# Maintonance Phase

wener your monitor and support new system to made the test user requirements.

- 1) Building Help Deak @ Provide on environment to -1 Custmen Core -1ex
  - support the changes.
- =) Planning + Analysis =) aka Requirement Pas Phase

# SOLC models Software Developement lifetycle The > Frameworks that desvibes the activities performed at each stage of Saftware Development Project

- 1. Waterful
- 2. Invernental Model
- 3. V-Model
- 4. Spiral model
- S. LEAN
- 6. Agik model
- 7. Protolyping
- 8. Sashini
- 9. Devops
- =) Au tuese models are dassified in 2 classification
  - Predictive No Adaptive
  - In vienental us Herative

## Predictive Us Adaptive I redictive I good understanding of problems, changes an not expected Adaptive I Not 100°10 there. based on feedback improvement is done on the new system whomever feedback is involved after every build Thruemental Us Herative frocen of building is freementing in Phases & individual phases (an he used differently Herative - Additional things are done on the sume (old) models. (Entancing current madel)

more sometimes none the another model there is dianother model.

SDLC Moders

- -1) Waterfall
  - 2) Invernental
  - 3) V- Shaped
    - 4) Sashimi
      - 6) Spiral
        - T) LEAN
      - 8) Agile
      - S) Problypana
      - 10) Devop