



Test One

Student Name

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Student ID:

1. Describe the phases of the Spiral Model for software development?

Spiral model is evolving model that it - this model
iterate in prototyping model with systematic comparison

of linear sequential (waterfall)

prototyping, waterfall model in this model we use the spiral model



Spiral model divides into 3 - 5 task (region)
that all deal to make spiral model work

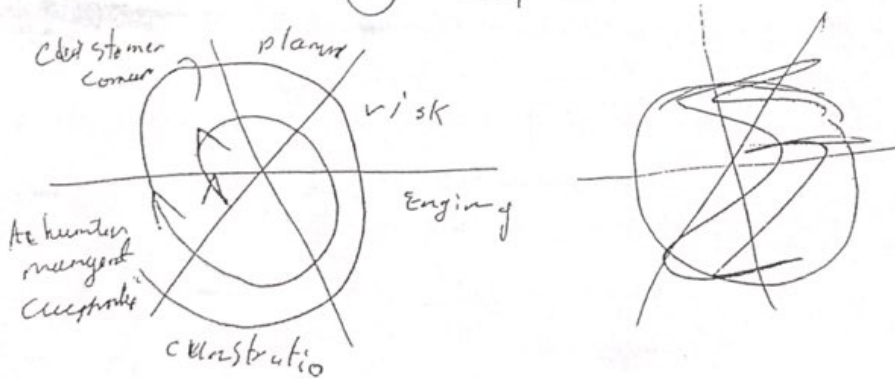
① customer consultation: task that customer deals with
developer for requirements

② planning: task of the way of gathering the requirements
to use it

③ risk management: there will be a lot of risk that
we have to be aware of

- ^{منع من الاعمال} ~~unreal risk~~ (1) ^{منع من الاعمال} ~~economic risk~~ (2) ^{منع من الاعمال} ~~organization risk~~ (3) ^{منع من الاعمال} ~~the risk of the project~~
 so we this help to avoid them

- (4) Engineering: take tasks at ~~begin~~ build the system
- (5) construction & release: take at built all pieces and transfered to the end
- (6) achievement management () ^{management custom} take care to user to see and to do what they want.



each life cycle begin in ~~cont~~ with ~~the~~ - the

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2. The software production is inherently difficult because of complexity and invisibility, discuss these two difficulties.

① Complexity : software is more complex than any other construct made by human beings

Ex: consider that we have w with 16 bits so each will have the value of 2^{16} so because each has this so we will have 2^{16} so if we want $w \times w$

so we will take $2^{16} \times 2^{16} = 2^{32}$

~~so we~~ so complexity is inherently difficult or essential : so there are a lot of pieces that make software complexity.

Complexity affects in software and management of the process, so the manager must have accurate information regarding to process he managed.

so must have information not personal strategies

so data and documentation regarding to strategy / complexity is object oriented that make some of software like errors exceptions

② invisibility: is the inherent difficult ~~essence~~
of invisibility that making software ~~is so~~ ~~difficult~~

because difficult ~~is~~ so we can't determine the



way we can ~~of~~ use use to determine software

because the requirements for software will

by invisibly ~~no~~ ~~have~~ ~~to~~ ~~use~~ ~~a~~ communication

and data, ~~bring~~ translating decoration

related

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میتواند

3. Suppose you were a Software Engineer has been called in by the vice-president of Birzeit Desserts, a corporation that manufactures and sells a variety of desserts to restaurants. He wants you to build a product that will monitor the company's products-starting with the purchasing of the various ingredients and keeping track of the desserts as they are manufactured and distributed to various restaurants. What software engineering process would you use and why?

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I think that I can use Rapid Application Development because it more use in this case because we go is step that need need Encountered in our jobs because

Birzeit

~~fast~~
~~because R.A.D. we use and have~~

Bueller ten
clear

For clarity we mostly know what the software must do from starting purchase and until end user so there will be and about time we have good time because we deal with steps that need time but not accurate

~~and about team we deal so~~
For the team we can deal with steps so there will be team
never experience

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in this case I can use water fall model
Linear model.

① system Requirements; we getting the requirements that need first design about components that we purchase.



② Design; we take the components and design each element we want.

③ code; we take design and make approximation to it

④ validation; we send to requester

so.
~~For clarity we have~~

the water fall deal with clarity and here we have the idea about desired desires and how will deal with

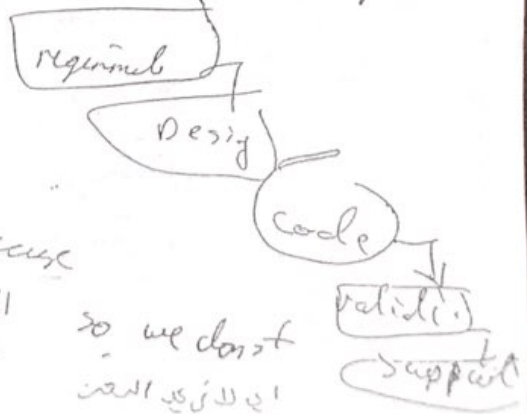
⑤ The time we have a enough time to do that ~~not~~

⑥ and this critical because we ~~are~~ ~~in~~ ~~the~~ ~~middle~~

⑦ For team ~~that~~ the team have all rights to do for purchase and manufacture

so we don't need a new team or having a new way

⑧ For budget its good because we know the ~~cost~~ for ~~new~~ ~~to~~ ~~party~~ ~~all~~



so we don't ~~will~~ ~~will~~