

1 no Question Answer

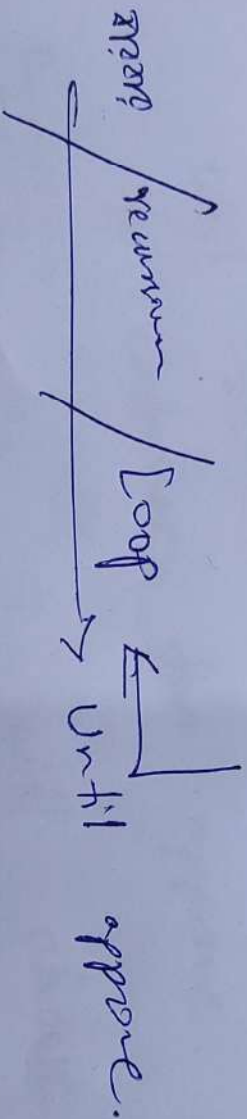
A1 ☐ E-commerce website — amazon.com.

A2 ☐ Need from developer — web pages  
catalog page  
product order page  
account open  
page etc.

A3 ☐ presented to customer to approve

A4 ☐ After approved (customer) — requirements stated again  
And design initiated

A5 ☐ if no approve — dev. team rewrite web pages  
& resubmit to customer



A6 ☐ transaction process system is online  
Security is very important

which model is suited for the project?

Requirement 1: Transaction process is online in the system.

Requirement 2: Security concern is very important

So, I need to select a model based on customer to approve if customer do not approve I will revise and resubmit it to customer for approve.

~~Answer:~~ So, I will choose spiral model. Because spiral model best suit for security concern. The high amount of risk analysis being done hence avoidance of possible risk is



Page 3  
certainly reduced with this - model.

⇒ This model is good for large size and critical projects

⇒ Additional functionality can be added at a later date

⇒ Development is fast and features are added systematically in the model.

⇒ It is more suited for high risk projects where business needs may differ from time to time basis.

⇒ In this model, software is developed in a series of incremental releases of intermediate products which

best who suit with the page 4

(A3) & (A4) number.

A3 = presented to customer to agree

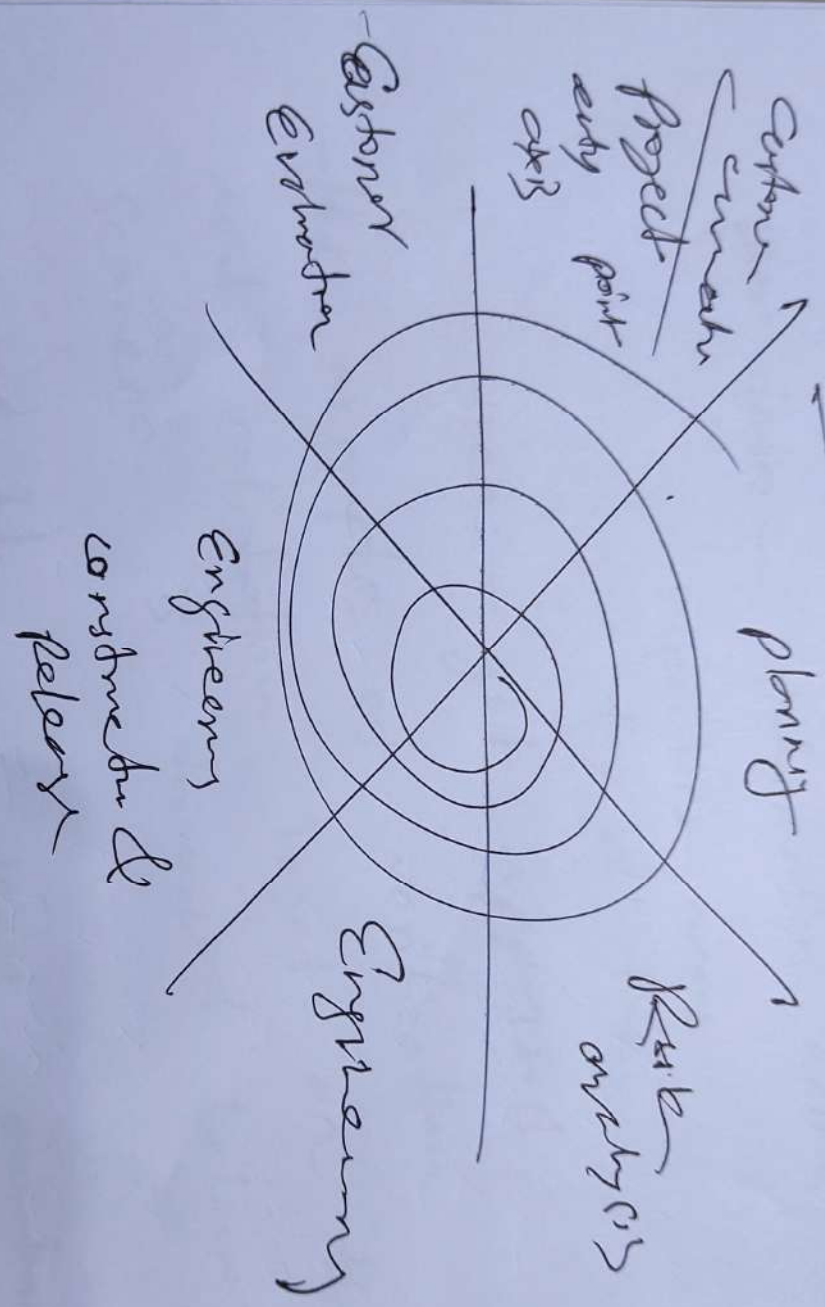
A4 = After approved (confirmation) -

sequence started again and design initiated.

⇒ During early iteration releases might be a paper or prototype ~~with~~ which over requirement.

⇒ Later version, increasingly more complete versions of the engineered systems are produced.

# Spiral model structure.





3 NO answer

Hospital management system

user inter — information name, id  
doctor's name  
day & time

then — get appointed  
the example of verification  
and validation based on the  
scenario is discussed below:

Requirement 1]

user input information

Requirement 2]

User will be able to see the ~~diagnosis~~ test  
information,

Requirement 3]

User will be set an appointment with  
a doctor.

(P.T.O)

Req #	Requirement	Activity Sequence	Actor	Priority
R1	User will input the data	<ol style="list-style-type: none"> <li>1. Log in to the system</li> <li>2. Find the input button/table</li> <li>3. input the value</li> <li>4. Submit</li> </ol>	User	High
R2	User will be able to see	<ol style="list-style-type: none"> <li>1. Log in to the system</li> <li>2. See the information in the pages</li> </ol>	User	High
R3	User will set an appointment	<ol style="list-style-type: none"> <li>1. Create account</li> <li>2. Login to system</li> <li>3. find the desired doctor as of available set the appointment</li> </ol>	User	High
			valid user	



Answer to the question no 2

10 element of the requirement collecting process of any software. Example: Cooking process

1 Purpose or output understand

— how I will better from the client's.

→ Certain Dish

2 Performance parameters: Test, look, time taken to cook, cost of preparation and so forth.

Quality, time & cost → Both values of QTC and their predictability in delivery are important.



3/ Policies: for cutting, washing, mixing ingredients, frying, boiling, steaming, etc.  
 It is taking actions to adhere targeted QTE performance

4/ Procedures: activities and their sequences for cutting, washing, mixing etc. a set of activities of perform to comply with in a sequence policies.

5/ Standards: what do required cut, wash mean?  
 It is helps performing those activities.

6] knowledge, skill, environment and resource: knowledge of food, ingredient and recipe, skill of cutting, kitchen, people.

It perform those activities in achieving targeted QTC.

7] Tools: knife, utensils, pots

It ~~helps~~ ~~to~~ ~~supp~~ It support automated the execution of those activities.

8] Measurements: progress of cooking, test, time, cost

It helps to understand progress and QTC of production



9/ control: change speed of actions, add more water, reduce heat.  
control to ensure predictability in achieving targeted QTC.

10/ Improvement: in order to show better performance in producing the same dish again improve above process elements as required.  
element for 9/ is the process better achieving QTC.

# 4 no. Ques for Answer

⇒ Social media - Facebook user

user — can create — an account

- sign in to system
- post status
- upload image
- make friends
- view posts

⇒ unit testing?

⇒ system testing?

⇒ black box testing?

⇒ white box testing?

⇒ unit testing? A unit test is

unit testing: a unit - the  
a way of testing code that can  
smallest piece of code  
be logically isolated in a system.



For example for facebook user  
if user ~~do~~ want to log in  
and give password then  
the system will test the  
password and email.  
the user can

And verify if not.  
log in data of the  
as the password is right or  
wrong.

- unit testing - ~~data~~ micro
  - done on any particular function
- Suppose facebook comment  
contain symbol is allowed  
or not.

## Integration testing:

It is a type of software testing in which the different units, modules or components of ~~the~~ a software application ~~are~~ are tested as a combined entity.

### Example

Test case ID	Test case Objective	Expected result
1	Check the interface link in command of facebook	To be directed to that page and open
2	Check the interface link to link to see my post in the facebook	Selected link must have the access to the user of the face post. the post.



## system testing:

It is the process of which quality assurance team executes how the application of which together in the internet integrated system or full, application

Example: facebook user account that can use ~~to~~ to test app's implementation of login and any facebook features of permissions the app uses.

## Black box testing

Users are logged in when they enter a valid username and password of the facebook user. Black box testing will not consider the code specific and will examine both the input and output.



## White box testing:

In white box testing developers use this to verify the input-output, flow and enhance visibility, security, and design. Code is visible to testers in white box testing.

Ex Example: Suppose a facebook user uses this sometimes in a code condition, contain multiple specific each used for a specific range of input. It is like a message user type allow a message number of words, ~~the~~ in white