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Assignment-1

Part-A

1) [d] All the above
2) [b] Doesn't work well for Smaller projects
3) [d] All the above
4) [a] spiral
5) [a] True

Part-B

1) Advantages of Spiral model

① high amount of risk analysis hence, avoidance of risk enchanced
② Good for Large and mission critical projects
③ Strong Approval and documentation control
④ Additional functionality can be added at a later data
⑤ It is suitable for high risk projects, where bussiness needs may be instable

2) Validation

It involves dynamic testing of software product by running it. It includes the execution of the code. validation is to check weather software meets the customer expectations and requirements It is high Level

Exersice.

verification

It is static process of analysing the documents and not the actual and product. It does not include the execution of the code. verification is to check whether the software conforms to specifications. It is low level

Exercise

3) Deployment

In this activity, a complete or non-complete products of software are represented to the customers to

evaluate and give feedback. on the basis of their feedback we modify the products for supply better product.

4) The phases of SDLC model are

1) Planning
2) Analysis
3) Design
4) Development
5) Testing
6) Implementation
7) maintenance

5) Requirement Gathering and Analysis

→ During this phase, all the relevant information is collected from the customer to develop a product as per their expectation. Any ambiguities must be resolved in this phase only

→ Business analysis and project manager set up a metting with the customer, wants to build, who will be the end user, what is the purpose of product. (4)

→ Before building a product a core understanding of knowledge of the is very important

Part-C

1) for an inventory control System for supermarket is to be design the software should be used, it should be able to maintain the total sales of everyday, month and year, it should satisfy the customer. So I would like to suggest "Incremental model" as it delivers a series of releases called increments that provide progressively more functionaly for client as each increment is delivered.

In increment model, each subsequent release of the module adds function to the previous release. The process continues till the complete system is achieved. Due to this reason

I suggest this model as we all know that there will be changes and daily product exchange in marketing and we have update it by adding new products and extra resources depend on the peoples suggestions

In Increment model, in every increment the needs of the client are kept in mind and more features and functions are added and the code product is updated.

Requirement & collection of Analysis

As most porobobly most important part of any development of Software as the super market it totally depends.

upon the sales of product and the dialy analysis according customer demand and the profit of super market after that Requirement we go for Design

Design and Analysis

The Design it depends upon requirements not very high classy graphic and design is that much easily for the costomer & walker that are prelending it will not take much time as demand of forecast the saler based on previous day we can used griaph design and we connect the software one daily sales to Crangoes suplies also)

coding

To make all the execution we need good coder who need everything to type a code according to the availability of super market. So, that

main goal can as give for super market as make it mole easy to use for everyone

Testing

After coding most important problem phase is testing as coder always try to make best thing in the software and easy but testing of software is very important after 10 to 12 times testing it will pass. Sometimes it also taken more things to need and to correct the testing

Installation / development

After testing, it is a big task to process software into every system of super market installation and every system of super market as installed and after that checking is installed perbectly because is installation is not good it will be difficult bo

for sales to calculate everything it will take time

Evaluation

once all prior stages have been completed it is time for a throughy evaluation of development up to this stage. This allow the entire team, as well as clients or other outside parties, to examine where the project is at, where it needs to be what can or should change.

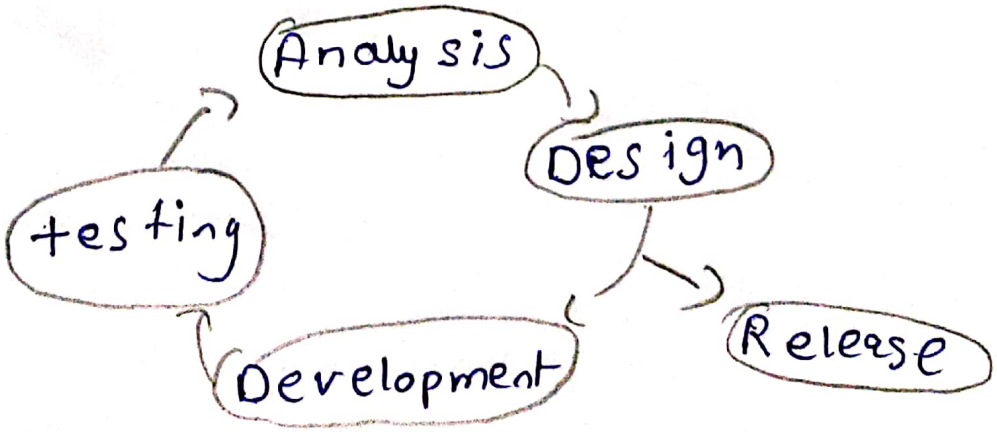
I suggested Increment model because marking has a lengthy development schedule as there is need of regular changes. Incremental model is simple to manage risk because it handed during its iteration, so if any problem arrise in the software the market people can develop or overcome

the problem easily within less time

→ The clients gets important functionality easily in this incremental model

→ This model is flexible and less expensive to change of requirements and scope.

→ In incremental software developed process, each "incremental" increase of products adds a simple form of a new function. Think of it if like coming up with an overall plan, building on MVP with only the core functionality and then adding features based on feed back



with the increment process, we get easly feedback on our core feature, which can help us validate our bussiness case right away. In this case we are talking to users easily on about what they actually want, which can solve ton's of time money and problems

So s suggested "incremental model" for the purpose of Supermarket