ID: 18-38957-3
Mid Term Script

1. Describe in which way you can reduce the gap between software actual failure curve and idealized curve.

Answer:

Actual Failure Curve shows the failure rate by the time but it includes the changes on the failure rate by the side effects. While the Idealized Curve shows only the failure rate by the time. The gap between these two curves can be reduced by reducing the failure rate caused from the side effects. Thus the gap between actual failure curve and the idealized curve can be reduced.To reduce the side effect failures we have to identify and aggregate the risks for capturing the probability that a software development project will experience unplanned or inadmissible events.

2. List down the agile method we covered in this course. Which one/two is the most suitable current software development practice? Justify your answer.

Answer:

Agile method we have covered in this course are Agile Scrum Methodology,Extreme Programming, Dynamic System Development Method and Feature Driven Development.
Scrum is the most suitable current software development practice.
Scrum development process was introduced to make development of software system more flexible and lightweight than other methods.This method contains three phases which are Planning Phase,Sprint Phase and Closure Phase.
Planning Phase contains the list of the product features which is stored in the Product Backlog.
The Actual project development starts in Sprint Phase.Sprint sets the time to complete the works. The initial Product Backlog is assigned to be completed during the Sprint.
During the Sprint Phase the features can be updated or can be modified.
And the closure phase wrap up the complete project for the market release.
Scrum is much more efficient than the method because because of its efficiency. It improves communication across all the teams. It provides for an open forum where everyone knows who is responsible for what. It increases team efficiency by almost 20%.
Problems are more visible in Scrum. That is the reason Scrum is the most suitable for current software development.

3. Considering your selected project in the lab work,please describe the necessity and process of domain analysis in software requirements analysis.

Answer:

Our selected project is One Time Id.
Domain analysis, is the process of analysing related software systems in a domain to find their common and variable parts.
Our system includes the AIUB portal and the User.Currently there is no such applications like our system. Our system provides students to get their one time id pass in a very efficient way. Our system has got some features such as Showing a temporary id on the display for a limited time. The id will be destroyed after 24 hours. It also keeps the reason and data of the students who will collect the one time id.
This system is reusable, It can be used in other management systems where the temporary pass is acceptable.We didn't create any functional model yet but we have designed a mock for this system.And our domain language is C#,.net framework and Java-Scripts.

4. Describe the risk profile of the software development process model.

Answer:

A risk is a potential problem. It's an activity or event that may compromise the success of a software development project. Risk is the possibility of suffering loss, and total risk exposure to a specific project will account for both the probability and the size of the potential loss.

A risk profile of the software development process model is a graph of Risk by the Time.It includes the Risk Reduction and The iterative reduction over the time.When the iterative risk increase the risk management methods applied to the process and thus the risk reduction starts.

MID MCQ QUESTION ANSWER:

1. Four Steps.

3.Waterfall Model

4.

7. 6

8. Scrum.

9. Planning Phase

10.