

AIM - REQUIREMENT MANAGEMENT

DESCRIPTION -Requirements are the basis of development and testing efforts, and can be created by product managers, program managers, or other members of the larger cross-functional team. You can ensure that your testing effort adequately covers all requirements by linking requirements to your test plans and test cases.

PROCEDURE -

To Start Quality Manager -

Step 1 :Click on All Programs

Step 2 : Click on Quality Manager 2.0

Step 3: Click on Start IBM Rational Quality Manager Server
(Once the server starts)

Step 4:Click on IBM Rational Quality Manager

Step 5:In jazz Server ,Provide Login ID – **RQMADMIN**
PASSWORD – **RQMPW**

Step 6: Quality Manager Dash Board Opened

To Create A Project Area -

Step 1 : click on Admin

Step 2 :Click on Jazz Project Administration

Step 3 :Create Project Area

Step 4:Complete the page as needed and Save

Step 6:Refresh or Reload the page to view your project in the project lists (right side - drop down)

To Create a Requirement -

Step 1 : click on Requirements icon

Step 2 :Click on Create Requirements

Step 3 :Provide the necessary data in the page(summary,Description,tags,priority....)

Step 4: Click on Save button

To View Requirements -

Step 1 : click on Requirements icon

Step 2 :Click on view Requirements

There are three ways that you can link to requirements from test artifacts:

- **Associate test plans with requirement collections.**
- **Create test cases for each requirement in a requirement collection, and link the test cases to the test plan that contains the requirements collection.**
- **Associate individual requirements with one or more test plans or test cases.**

1) Associate test plans with requirement collections :


Step 1 : click on Planning icon

Step 2 : click on Create Test Plan

Step 3: Provide the necessary information

Step 4: Select Requirements option from left menu

Step 5: Requirements pop menu opens

Step 6: Click on  (add requirements button)

Step 7 : You can view list of requirements,check the required required


Step 8:Check the requirements from the requirement list and click OK button

Step 9 :The requirements are linked to the test plans

2)Create test cases for each requirement in a requirement collection, and link the test cases to the test plan that contains the requirements collection:

Step 1 : click on view Requirements icon

Step 2 :You can view list of requirements,check the required required

Step 3 :click on  (create test case from requirement)

Step 4: Create test case pop up page opens

Step 5: provide the required data and Click OK

Step 6: The requirements are linked to the test plan.

3) Associate individual requirements with one or more test plans or test cases.

Step 1: click on planning icon

Step 2: click on Create Test Plan

Step 3: Provide the necessary information

Step 4: Select Requirements option from left menu

Step 5: Requirements pop menu opens

Step 6: Click on (add  new requirements button)

Step 7 : Add requirement page opens

Step 8: Provide all the required data and click OK button

Step 9 : The requirements are linked to the test plan.

VIVA QUESTIONS

1) What is UML?

2) What is the importance of Modeling?

3) Name any 5 application domains of UML?

4) What are the goals of UML?

5) Name Static and Dynamic Diagrams?

LAB2

AIM – DATA MODELLING FOR CLASS DIAGRAM

TOOLS REQUIRED – Rational software suite
(Rational Enterprise Edition)

PROCEDURE -

STEPS 1 – Create a class diagram under logical view.

STEP 2 - Change the properties of each class into persistent

STEP 3 – Create a package under the logical view, Drag the persistent classes into the package

STEP 4 -Create a Database under Component view. Two new folders are generated in the logical view after Database creation, logical data types, Schema.

STEP 5- Right click on package. Go to data Modeler – Transform to Data Modeling. We will get a pop-up box.

Assign target DB, new schema will be created where all persistent classes are visible.

STEP 6 – Right click on schema-go to Forward Engineering pop up box, after giving the destination.

STEP 7 -Go to the location to check the Code generated.

Viva Questions

- 1) Name three Extensibility Mechanisms and show how are they rendered?
- 2) Define Class, attributes and Operation and Show how are they rendered?

Consider the Specification for the Case Study EMPLOYEE MANAGEMENT SYSTEM

Problem Specification:

The employee management system is used to manage Employee details such as personal data, Professional ,loans, insurance etc are stored in database. This project is easy for the HR to handle the details. This is personally used for HR, Team leads