Chapter 1: Introduction of Software Testing ➤ What is Software? > Types of Software What is Software Testing? What is a Quality of Software? Importance of Software Testing > Why Software has bugs? > Testing Roles in Company > Testing Team Responsibilities > What is Functionality? > What is Defect, Error, and Bug? Desortivate Company Acchifecture **Chapter 2: Software Development Process** ➤ What is SDLC? Phases of SDLC SDLC work flow – detailed explanation **Chapter 3: Testing Techniques** > Static Testing Boundary volce Analysis > Dynamic Testing Chapter 4: Testing Methods > Black Box Testing Black Box Testing White Box Testing Grey Box Testing **Chapter 5: Levels of Testing** Unit Testing What is Unit Testing? Examples of Unit Testing Who will perform Unit Testing in Companies? Integration Testing What is Integration Testing? Integration Testing Types Examples of Integration Testing Who will perform Integration Testing in Companies? ➤ System Testing What is System Testing? Examples of System Testing • Who will perform system testing in Companies? Types of System Testing User Acceptance Testing What is UAT? Types of UAT (Alpha & Beta Testing) Scanned by CamScanner

Chapter 6: Types of Testing

- > Smoke testing
- Sanity testing
- Usability Testing
- User Interface Testing
- > Functionality Testing
- > Re-Testing
- > Regression Testing
- Data Base Testing
- Compatibility Testing
- Security Testing
- ➤ Ad-hoc Testing
- Exploratory Testing
- Installation Testing
- Recovery Testing
- > Server Log File Testing
- Performance Testing
 - Load Testing
 - Stress Testing
 - Volume Testing
 - Endurance Testing

Chapter 7: Software Development Models

- Waterfall Model
- > Increment Model
- Prototype Model
- > Spiral model
- Rapid Model
- ➤ V-Model
- > Agile Model

Others: FAQ's

Module 2: Software Engineering

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Chapter 1: Software engineering. Chapter 2: QA Process and benefits of Process

- What is reusability?
- What is Process?
- Significance and Advantages

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Chapter 3: Project Management Process > Initiation > Planning > Execution Monitoring > Controlling > Closing **Chapter 4: Change Management Process** Chapter 5: Customer Satisfaction Survey Chapter 6: Software Configuration Management with VSS 6.0 > What is Configuration Management? > Significance & Advantages > How to make best use of it > VSS /CVS/SVN Software Configuration Management 0 o. Purpose of SCM Problems/Benefits using VSS SCM process .o Configuration of VSS/SVN Navigation to VSS/SVN Directory Structure used for my current project 0 Check-out files Check-in files 0 **Chapter 7: SEI CMMI-Levels** ➤ What CMMI? ➤ Why to go for CMMI?... > Advantages of being certified company > CMMI Levels **Chapter 8: Verification and Validation** Verification methods inspection Walkthrough Buddy check -Validation Methods 0 Chapter 9: Testing Roles and Responsibilities > ASE Rid Colle 144th ➤ Software Engineer Sr. Software Engineer Team Lead Project Lead

Others: FAQ's Scanned by CamScanner

> Test Manager

Module 3: Project Testing

Chapter 1: Project Management Plan **Chapter 2: Requirements**

- - > Business requirement Specification -BRS
 - > System requirement Specification -SRS
- > Functional Requirement Specification -FRS

Chapter 3: Introduction about Project

- > Insurance /Banking Domain Knowledge
- > Project Detailed Explanation
- > Project Requirements explanation

Chapter 4: Software Testing Life Cycle

- ➤ What is STLC?
 - Phases of STLC
 - Test Initiation phase
 - What is Test Initiation?
 - Understanding project requirements with live show
 - Understanding UI Spec, FR Spec Documents
 - **Test Planning Phase**
 - o What is a Test Plan?
 - Types of Test plan
 - Who will prepare Test plan documents?
 - Preparing a Test plan documents for project O
 - **Test Design Phase**
 - What Tester will do in Test Design Phase?
 - What is Use Case? 0
 - What is a Scenario? 0
 - Preparing Scenarios for project 0
 - What is a Test Case? 0
 - Preparing Test case Template for project Ó
 - Types of Test cases 0
 - Test Case design techniques
 - BVS, .
 - ECP
 - Decision Table
 - State Transition Diagrams
 - **Error Guessing**
 - Designing test cases for project 0
 - Test Case Status 0
 - **Test Cases Review** 0
 - Preparing RTM 0

> Test Case Execution

- When do we start test case execution?
- What is a Build?
- What is Version?
- Version Controlling and managing
- What is a Cycle?
- > Builds from Development to Testina
 - o Build & Deployment Process
 - o Who will deploy the application
 - o How to access the application
 - Significance of Host File
- **Build Release Note**
 - o Who prepares the Release Notes?
 - When to prepare the Release Notes? 0
 - Significance of Release Notes
- Text cases Execution
 - Test Assignments allocation
 - **Execution clarifications** 0
- ➤ Defect Reporting and Tracking
 - ➤ What is a defect?
 - Defect Status
 - Defect Severity
 - > Defect Priority

 - Types of Defects
 Defect Life Cycle
 Creating defects in QC
 - Defect Density
 - Result Analysis

Chapter 5: Defect Reporting Through Bugzilla/Jira/QC

- ▶ Defect Management
- > Creating user roles and permissions for each role
- > Creating users for each role
- Defects reporting
 Defects tracking
- ➤ Defects Retesting
- ➤ Various *eports generation
- ➤ Defects closing

Chapter 6: Agile Scrum Framework

- > Agile principles Agile Scrum Overview

Scrum roles **Product Owner roles** Scrum master role Team role Scrum Meetings Sprint Planning meeting Daily Scrum meeting Scrum review meeting Scrum retrospective meeting Scrum Components Product Back log Sprint Back log Other components r 7: Others Status Reports o Daily status report o Daily defect report Weekly status report Retesting report Reports from QC Project Workflow (End - To - End Exit Criteria for Testing > CV Preparation Tips Interview Tips.&

Quality Center / ALM

- > Introduction of Quality Center
 - The Quality Center Testing Process
 - > Starting Quality Center
 - The Quality Center Window
- Specifying Testing Requirements
 - Defining Requirements
 - Viewing Requirements
 - Modifying Requirements
 - Converting Requirements
- Planning Tests
 - Developing Test Plan Tree
 - Designing Test Steps
 - Calling Tests With Parameters
 - Creating and Viewing Requirements Coverage
 - Generating Automation Test Scripts
- Running Tests
 - Defining Tests
 - Adding Test Sets
 - Running Test Sets Manually & Automatically
- Adding and Tracking Defects
 - How to Track the Defects?
 - Adding New Defects
 - Updating Defects
 - Linking Defects to Tests
- Analyzing
- Customizing Projects
- Reports from QC