

CODEHUBEDUTECH

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SOFTWARE TESTING CONTENT

MANUAL TESTING:

TERMINOLOGIES:

- SOFTWARE & TYPES OF SOFTWARE
- SOFTWARE TESTING
- ABNORMAL TESTING
- ERROR
- DEFECT
- BUG & NOT A BUG
- FAILURE
- QUALITY
- PROJECT
- PRODUCT
- VERIFICATION(QA)

- VALIDATION(QC)
- USE OF SOFTWARE TESTING

DEVELOPMENT PROCESS:

- SDLC(SOFTWARE TESTING LIFE CYCLE)
- WATER FALLS MODELS
- PROTOTYPE MODEL
- SPIRAL MODEL
- INCREMENTAL MODEL
- FISH MODEL
- V MODEL
- AGILE MODELS

VERIFICATION (OR) STATIC TESTING:

- REVIEWS
- INSPECTION &AUDIT
- WALK THROUGH

VALIDATION (OR) DYNAMIC TESTING:

- UNIT TESTING : Syntax coverage
Loop coverage
Conditional coverage
Path coverage

- INTEGRATION TESTING : Incremental

Non – Incremental

- SYSTEM TESTING : Functional & Non-Functional testing

Adhoc

- USER ACCEPTANCE TESTING : alpha and beta testing
- TEST SCENARIO & TEST CASES
- DESIGN TECHNIQUES : Bvc , Ecp, ST, EG
- STLC(SOFTWARE TESTING LIFE CYCLE)
- DEFECT & DEFECT CATEGORIES
- DEFECT REPORTING
- BUG LIFE CYCLE(BLC)
- SOFTWARE TEST METRICS
- DEFECT TRACKING TOOL - JIRA
- MANUAL TESTING TEMS
- MANUAL TESTING INTERVIEW QUESTIONS

MANUAL TESTING PROJECTS:

1. INSURANCE

2. E – COMMERCE

JAVA COURSE CONTENT

CORE JAVA:

- INTRODUCTION TO JAVA
- JAVA ARCHITECTURE
- JAVA FEATURES
- JAVA OOPS CONCEPTS (CLASS, METHOD, OBJECTS)
- JAVA IDENTIFIERS, KEYWORDS
- JAVA PRIMITIVE DATA TYPES
- OPERATORS, VARIABLES
- CONDITIONAL STATEMENTS
- ARRAYS
- COMMAND LINE ARGUMENTS
- TYPE CASTING
- ABSTRACTION
- ENCAPSULATION
- INHERITANCE
- POLYMORPHISM
- CONSTRUCTORS

- ACCESS SPECIFIES
- STATIC, FINAL, SUPER, ABSTRACT KEYWORDS
- WRAPPER CLASSES
- INTERFACE
- PACKAGES
- STRING OPERATIONS
- EXCEPTION HANDLING
- MULTITHREADING
- COLLECTIONS
- DATA STRUCTURES
- IO STREAMS
- JAVA 8 FEATURES

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AUTOMATION TESTING

- INTRODUCTION TO AUTOMATION
- ADVANTAGES & DIS-ADVANTAGES
- AUTOMATION TOOL SELECTION
- INTRODUCTION TO SELECTION
- COMPONENTS OF SELENIUM
- SELENIUM WEB DRIVER
- WEB DRIVER ARCHITECTURE
- WEB DRIVER ABSTRACT METHODS
- PRACTICAL EXECUTION OF METHODS
- WEB ELEMENTS
- SELENIUM LOCATORS
- INTRO TO HTML BASICS & SYNTAXES
- WEB ELEMENTS METHODS
- INSPECTION
- PRACTICAL EXECUTION OF METHODS
- PRACTICLE PROGRAMS FOR BOTH WEB DRIVER & WEB ELEMENTS
- SYCHRONIZATION , TYPES, EXAMPLE

- HANDLING STATIC & DYNAMIC DROPDOWN
- HANDLING KEYBOARD & MOUSE ACTIONS
- HANDLING SCROLLDOWN
- TAKING SCREEN SHOT
- HANDLING WEBTABLES
- HANDLING ALERTS
- HANDLING FRAMES
- HANDLING WINDOW POPUPS
- EXCEPTIONS IN SELENIUM
- WORKING WITH CONFIGURATION FILES & PROPERTIES FILES.

ADVANCE AUTOMATION TESTING

- MAVEN PROJECT CREATION
- TESTNG
- ADVANTAGES & DISADVANTAGES
- INSTALLING TESTNG
- ANNOTATIONS OF TESTNG
- TEST ANNOTATIONS

- ATTRIBUTES
- ASSERTION IN TESTNG
- PRIORITIZATION
- TESTNG .xml FILE
- GROUPING EXECUTION
- PARAMETERIZATION WITH PARAMETERS
- PARAMETERIZATION WITH DATA PROVIDER
- APACHE POI
- HANDLING EXCEL
- DATA PROVIDER WITH EXCEL DATA
- PARALLEL EXECUTION
- PAGE OBJECT MODEL
- PAGE FACTORY
- LISTENERS
- EXTENT REPORTS

FRAME WORKS:

- DATA DRIVEN
- MODULAR DRIVEN
- KEYWORD DRIVEN
- HYBRID
- VERSION CONTROL GIT HUB
- CICD – JENKINS
- BDD - CUCUMBER

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