Course Design Document – Junit

1. About the Document:

This design document specifies all the decisions made about the course up to this time, including:

- Purpose of the course
- Intended outcome of the course
- Audience description
- Delivery method(s)
- What to train
    - High-level outline
    - Detailed lesson outlines
- Objectives of each lesson
- Assessments/exercises for each task

2. Purpose of the Design Document:

The purpose of the design document is to obtain agreement with all stakeholders about the vision and plan for the course. These parties include:

- Internal clients (BU SMEs) and reviewers
- Team members (iLD) working on the course
- External clients, if any

3. Sign-off:

At this point, obtaining a sign-off on the design document is important in ensuring agreement on the plan. Once an agreement is secured from key stakeholders work on developing the course materials can begin.

An approved course design document is required to release a course as an official curriculum

Key stakeholders for Design sign-off

- Designated Leader from BU (for BU-developed courses)
- Head of iLD

Contents of a Design Document

S. No	Content	Page Number
1	Purpose of the course	4
2	Audience description	4
3	Course objectives	4
4	Learning Assessment	4
5	Instructional Strategies	4
6	Media	4
7	Duration	4
8	Course Scope -detailed outline by unit /module, including: ● Introduction ● Objectives ● Topic List ● Duration ● Practice check method	5
9	Activities Conducted - detailed outline for each activity planned, including: ● Activity ● Objective ● Duration	5&6
10	Developmental Tools	6
11	Ownership and maintenance	6
12	Development time	6
13	Support requirements	6
14	Project sign-off sheet – ID, Project Manager, Client (internal or external)	6

Purpose of the Course:

JUnit is an open-source Unit Testing Framework for JAVA. It is useful for Java Developers to write and run repeatable tests. Associates undergoing this course will learn Junitfrom the very beginning, step-by-step from the very fundamentals, all the way to building modern and complex applications

Audience Description:

The course is set for all entry-level associates at Intellect. The course is appropriate for associates who begin their career here at Intellect.

Course Objectives:

During this course, the learner will:

- Learn Junit from the very beginning
- Understand step-by-step from the very fundamentals
- Be building modern and complex web applications

Learning Assessment:

There are assessments included as part of the final assessment after the training completion

Instructional Strategies:

This is an instructor-led in-person/virtual course with multiple illustrations. The following methods will be employed at various places in the course:

- Cases are taken as illustrations
- Facilitator-led discussion
- Common illustration discussions

Media:

The course will utilize the following media

- Slide Presentation/Images/platforms to run scripts

Duration:

This course is divided into 10 blocks, taking approximately 9 hours in total.

- Pre-Training Activity: There is no pre-training activity
- Post-Training Activity: There is no pre-training activity

Course Scope:

The course contains 10 lessons. The lesson brief is given below:

Lesson	Topic List	Delivery Method	Duration	Practice check Method	Annexure
1	What is Junit?	Trainer-led session	30 minutes	NA	NA
2	How to Download and Install JUnit in Eclipse?	Trainer-led session	30 minutes	NA	NA
3	Test Framework	Trainer-led session	30 minutes	NA	NA
4	JUnit Annotations	Trainer-led session	45 minutes	NA	NA
5	Junit Assert	Trainer-led session	30 minutes	NA	NA
6	Junit Test suite	Trainer-led session	30 minutes	NA	NA
7	Junit expected Exception Test	Trainer-led session	30 minutes	NA	NA
8	Junit Error Collector	Trainer-led session	30 minutes	NA	NA
9	Junit Parameterized Test	Trainer-led session	30 minutes	NA	NA
10	TestNG vs Junit	Trainer-led session	30 minutes	NA	NA

Activities Conducted:

Activity #	Activity	Objective	Duration	Annexure
1	How to Download and Install JUnit in Eclipse?	Hands-on	30 minutes	NA
2	Test Framework	Hands-on	30 minutes	NA

3	JUnit Annotations	Hands-on	45 minutes	NA
4	Junit Assert	Hands-on	30 minutes	NA
5	Junit Test suite	Hands-on	30 minutes	NA
6	Junit expected Exception Test	Hands-on	30 minutes	NA
7	Junit Error Collector	Hands-on	30 minutes	NA
8	Junit Parameterized Test	Hands-on	30 minutes	NA

Development Tools

The course was prepared in PPT and edited with video editing tools.

Ownership

The design and development of the course is by iLD Team - Intellect

Course approved by Dr. Vinay Menon – SVP iLD

Course revision from time to time by Ashok T - VP iLD

Approved facilitator:

Development Time

30 man-days (for course creation and editing as per guidelines)

Support Requirements

The course was developed completely by iLD Team - Intellect

Course Sign-off

Approved by:

Date:

Place:

Annexure

Not applicable