Introduction to Agile
Lesson 00:

Capgemini

Course Goals and Non Goals

Course Goals
- Introducing participants to the Agile Software Development Model
- Introduction to Agile Practices & Methods
- Understanding SCRUM
- At the end of this program, participants gain an understanding of how to transition sound traditional test practices into an Agile Development Environment
- Understand the key differences between traditional and Agile Testing Practices
- Understand the roles and responsibilities of a typical Agile Testing Team

Course Non Goals
- This course does not cover other than anything the course goals

Pre-requisites

Basic knowledge of Software Development Life Cycle
Basic knowledge of Programming Concepts
Basic Knowledge of Software Testing Fundamentals

Intended Audience

Novice Developers
Test Engineers

Day Wise Schedule

Day 1
- Lesson 1: Agile Process Framework
- Lesson 2: Agile Methods and Practices - SCRUM

Day 2
- Lesson 3: Agile Methods and Practices - Extreme Programming (XP),Lean
  Software Development & Kanban
- Lesson 4: Introduction to Agile Testing
- Lesson 5: Agile Testing Quadrants and Agile Test Planning

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Lesson 2: Agile Methods and Practices - SCRUM
- 2.1 Introduction to SCRUM
- 2.2 Scrum Roles and Responsibilities
- 2.3 Scrum Core Practices and Artifacts
  - 2.3.1 User Story
  - 2.3.2 Sprint
  - 2.3.3 Release Planning Meeting
  - 2.3.4 Sprint Planning Meeting
  - 2.3.5 Daily Scrum Meeting (Daily Stand up)
  - 2.3.6 Sprint Review Meeting
  - 2.3.7 Retrospective
  - 2.3.8 Product Backlog
  - 2.3.9 Sprint Backlog
  - 2.3.10 Burn-Down Chart
  - 2.3.11 Velocity

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Lesson 3: Agile Methods and Practices - Extreme Programming (XP),Lean
Software Development & Kanban

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Lesson 4: Introduction to Agile Testing

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References

Websites :
- www.extremeprogramming.org
- www.agilemanifesto.org
- www.wikipedia.org
- www.scrum-institute.org
- www.agilealliance.org
- www.agilemodeling.com
- www.scrumguides.org
- www.mountaingoatsoftware.com

Books :
- Agile Testing: A Practical Guide for Testers and Agile Teams - Lisa Crispin, Janet Gregory
- User Stories Applied: For Agile Software Development – Mike Cohn

Other Parallel Technology Areas

None

Next Step Courses

None