

## Azure DevOps Project Manager Immersion

### Course Summary

#### Description

This course provides Project Managers, Scrum Masters, Product Owners, and Team Leads with the essential skills needed to manage a software development project using Microsoft Azure DevOps.

This course specifically teaches you how to implement Agile / Scrum methodologies using Azure DevOps. You'll learn about the Scrum ceremonies and how Azure DevOps supports your team. This course will guide you through the software development lifecycle. From project initiation to product delivery, to reviews & retrospectives you will learn how Azure DevOps can improve your team's processes and make your life easier.

#### Objectives

After taking this course, students will be able to:

- Navigate the Azure DevOps portal
- Organize work using Epics, Features, Product Backlog Items, and Tasks
- Customize the Kanban board
- Create and execute queries
- Create and design dashboards
- Coordinate development efforts in a multi-team environment
- Connect Visual Studio to a Team Project
- Check in code
- Associate work items with code
- Configure Team Project security

#### Topics

- Introduction to the Microsoft ALM Ecosystem
- Managing a Development Effort Using Azure DevOps
- Initiating Your Project
- Building Your Product Backlog
- Planning a Sprint
- Managing Efforts During the Sprint
- Enhancing Project Visibility Using
- A Day in the Life of a Developer
- A Day in the Life of a Tester
- Conducting Sprint Reviews
- Conducting Sprint Retrospectives
- Improving Your Team's Productivity

#### Audience

People that need to learn how to better coordinate a team's efforts using Azure DevOps works for the entire team. Job roles include (but are not limited to):

- Project Manager
- Product Owner
- Scrum Master
- Development Team Lead

#### Duration

Five Days

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### Course Outline

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#### *I. Introduction to the Microsoft ALM Ecosystem*

- A. What is ALM?
- B. An Overview of the Microsoft ALM Ecosystem
- C. Azure DevOps Tools

#### *II. Managing a Development Effort Using Azure DevOps*

- A. Characteristics of a Scrum Team
- B. Creating a Product Backlog
- C. Planning a Sprint
- D. Using Azure DevOps During a Sprint
- E. Conducting Sprint Reviews and Retrospectives

#### *III. Initiating Your Project*

- A. Creating a Project
- B. Adding People to a Project

#### *IV. Building Your Product Backlog*

- A. Creating Product Backlog Items
- B. Linking Work Items
- C. Organizing Work Using Features and Epics

#### *V. Planning a Sprint*

- A. Configuring Sprint Settings
- B. Adding Work Items to a Sprint
- C. Forecasting and Estimating Work
- D. Decomposing Work into Tasks
- E. Work Item Tagging and Searching

#### *VI. Managing Efforts During the Sprint*

- A. The Daily Scrum Meeting
- B. Tracking Your Team Using Kanban Boards
- C. Customizing Your Taskboards

#### *VII. Enhancing Project Visibility Using*

Queries, Charts, & Dashboards

- A. The Built-In Charts of Azure DevOps
- B. Finding Work Items Using Queries
- C. Visualizing Query Results Using Charts

#### *VIII. A Day in the Life of a Developer*

#### *IX. A Day in the Life of a Tester*

#### *X. Conducting Sprint Reviews*

- A. What is a Sprint Review?
- B. Collecting Stakeholder Feedback
- C. Automating Releases

#### *XI. Conducting Sprint Retrospectives*

- A. What is a Sprint Retrospective?

#### *XII. Improving Your Team's Productivity*

- A. Enriching Work Items
- B. Creating Work Item Templates