

ACCELERATE APP DEVELOPMENT BY USING GITHUB COPILOT (AZ-2007)

Course Code: 834085

Learn how to accelerate app development by using GitHub Copilot and GitHub Copilot Chat in a Visual Studio Code environment.

Prerequisites

- An active subscription for GitHub Copilot is required for either a personal GitHub account or a GitHub account managed by an organization or enterprise.
- One or more years of code develop experience is recommended.
- Some experience developing C# applications in Visual Studio Code with the C# Dev Kit extension is recommended.

ACCELERATE APP DEVELOPMENT BY USING GITHUB COPILOT (AZ-2007)

Course Code: 834085

CLASSROOM LIVE

\$675 USD

1 Day

Classroom Live Outline

Module 1: Get started with GitHub Copilot

- Examine AI tools from GitHub, OpenAI, and Microsoft
- Examine GitHub Copilot tools, benefits, and limitations
- Exercise - Install GitHub Copilot extensions for Visual Studio Code
- Examine the autocomplete features of the GitHub Copilot extension
- Examine the AI assistance features of the GitHub Copilot Chat extension
- Exercise - Configure GitHub Copilot extensions for Visual Studio Code

Module 2: Generate documentation using GitHub Copilot tools

- Examine the "document" and "explain" features of GitHub Copilot Chat
- Exercise - Generate code explanations using GitHub Copilot Chat
- Exercise - Generate project documentation by using GitHub Copilot Chat
- Exercise - Generate inline code documentation by using GitHub Copilot Chat
- Exercise - Complete the "code documentation" challenge
- Review the "code documentation" solution

Module 3: Develop code features using GitHub Copilot tools

- Examine the code development features of GitHub Copilot
- Examine GitHub Copilot best practices
- Exercise - Create code by using code line completions
- Exercise - Create code by using GitHub Copilot Inline Chat
- Exercise - Complete the create new code challenge
- Review the create new code solution
- Review the code logic solution

Module 4: Develop unit tests using GitHub Copilot tools

- Examine the unit testing tools and environment
- Exercise - Create unit tests by using GitHub Copilot Chat

- Exercise - Create unit tests for specific conditions by using GitHub Copilot
- Exercise - Complete the "create unit tests" challenge
- Review the "create unit tests" solution

Module 5: Implement code improvements using GitHub Copilot tools

- Examine GitHub Copilot support for code improvements
- Exercise - Improve code quality by using GitHub Copilot Chat
- Exercise - Improve code reliability and performance by using GitHub Copilot Chat
- Exercise - Improve code security by using GitHub Copilot Chat
- Exercise - Complete the "app improvement" challenge
- Review the "app improvement" solution

Module 6: Guided project - Accelerate app development using GitHub Copilot tools

- Prepare the development environment
- Exercise - Analyze and document code using GitHub Copilot tools
- Exercise - Develop code features using GitHub Copilot tools
- Exercise - Develop unit tests using GitHub Copilot tools
- Exercise - Refactor and improve code sections using GitHub Copilot tools

ACCELERATE APP DEVELOPMENT BY USING GITHUB COPILOT (AZ-2007)

Course Code: 834085

VIRTUAL CLASSROOM LIVE

\$675 USD

1 Day

Virtual Classroom Live Outline

Module 1: Get started with GitHub Copilot

- Examine AI tools from GitHub, OpenAI, and Microsoft
- Examine GitHub Copilot tools, benefits, and limitations
- Exercise - Install GitHub Copilot extensions for Visual Studio Code
- Examine the autocomplete features of the GitHub Copilot extension
- Examine the AI assistance features of the GitHub Copilot Chat extension
- Exercise - Configure GitHub Copilot extensions for Visual Studio Code

Module 2: Generate documentation using GitHub Copilot tools

- Examine the "document" and "explain" features of GitHub Copilot Chat
- Exercise - Generate code explanations using GitHub Copilot Chat
- Exercise - Generate project documentation by using GitHub Copilot Chat
- Exercise - Generate inline code documentation by using GitHub Copilot Chat
- Exercise - Complete the "code documentation" challenge
- Review the "code documentation" solution

Module 3: Develop code features using GitHub Copilot tools

- Examine the code development features of GitHub Copilot
- Examine GitHub Copilot best practices
- Exercise - Create code by using code line completions
- Exercise - Create code by using GitHub Copilot Inline Chat
- Exercise - Complete the create new code challenge
- Review the create new code solution
- Review the code logic solution

Module 4: Develop unit tests using GitHub Copilot tools

- Examine the unit testing tools and environment
- Exercise - Create unit tests by using GitHub Copilot Chat

- Exercise - Create unit tests for specific conditions by using GitHub Copilot
- Exercise - Complete the "create unit tests" challenge
- Review the "create unit tests" solution

Module 5: Implement code improvements using GitHub Copilot tools

- Examine GitHub Copilot support for code improvements
- Exercise - Improve code quality by using GitHub Copilot Chat
- Exercise - Improve code reliability and performance by using GitHub Copilot Chat
- Exercise - Improve code security by using GitHub Copilot Chat
- Exercise - Complete the "app improvement" challenge
- Review the "app improvement" solution

Module 6: Guided project - Accelerate app development using GitHub Copilot tools

- Prepare the development environment
- Exercise - Analyze and document code using GitHub Copilot tools
- Exercise - Develop code features using GitHub Copilot tools
- Exercise - Develop unit tests using GitHub Copilot tools
- Exercise - Refactor and improve code sections using GitHub Copilot tools

Jul 16 - 16, 2025 | 8:30 AM - 4:30 PM EDT

Nov 5 - 5, 2025 | 8:30 AM - 4:30 PM EST



ACCELERATE APP DEVELOPMENT BY USING GITHUB COPILOT (AZ-2007)

Course Code: 834085

PRIVATE GROUP TRAINING

1 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

Date created: 4/24/2025 10:06:03 PM

Copyright © 2025 Global Knowledge Training LLC. All Rights Reserved.