**Participant Prerequisites**

This document outlines the prerequisites for participants, including necessary background knowledge, skills, and any required software or tools. This information should be communicated clearly to participants before the course begins.

**Background Knowledge and Skills**

1. **Basic Programming Knowledge**: Participants should have a basic understanding of programming concepts. Experience with any programming language is acceptable, though familiarity with .NET languages like C# will be beneficial.

2. **Test-Driven Development (TDD) Basics**: Understanding the principles and practices of TDD will be helpful. This includes writing tests before code, understanding the Red-Green-Refactor cycle, and familiarity with testing patterns such as mocks and stubs.

3. **Software Development Practices**: Familiarity with general software development practices and methodologies, particularly agile methodologies like Scrum or Kanban, will be advantageous.

**Required Software and Tools**

1. **Development Environment**:

* **IDE**: Visual Studio Code.
* **Version Control**: Git.

2. Frameworks and SDKs:

* **.NET 8.0 (latest)**: Ensure the .NET Core SDK is installed.

3. **AI Tools**:

* **GitHub Copilot**: Ensure you have access to GitHub Copilot.
* **ChatGPT**: Access to ChatGPT for AI-driven code assistance and documentation.

**Required Access**

Your laptop must have the capabilities and proper configuration before attending. If you do not understand any of this, please get in touch with your company’s tech support for help.

* **Software Installation**: You should be able to install software on your laptop (Local Admin in Windows or Administrator in macOS).

**Preparation Steps**

1. **Install Required Software**:

* Download and install Visual Studio Code.
* Set up Git and ensure it is functioning correctly.
* Install the .NET Core SDK.
* Ensure GitHub Copilot is enabled in your Visual Studio Code.
* Ensure you have access to ChatGPT.

2. **Review TDD Concepts**:

* Familiarize yourself with the basics of TDD.
* Read introductory material on TDD if necessary.

3. **Join Pre-Course Communication**:

* Ensure you can access any pre-course communication channels (e.g., Slack, email) where additional instructions or resources may be provided.

**Contact for Setup Issues**

If you have any issues or questions regarding setup, please reach out to Jeff Dunay at jeff.dunay@leandogsoftware.com