

DMIT-2018 - **Workbook** (Jan 2020)

This repository is a **Workbook Template Repository** (click the green *Use this template* button above) containing demos, tutorials, and practice materials. You can find a list of the materials in the **src folder**. Make use of the **docs** folder in journaling what you are learning through class.

Additionally, you can find online notes at the course's [Moodle site](#) and on the unofficial [website notes](#). Also be sure to checkout out the topical **Learning Outcomes** used in class.



Software & Resources

Required tools for this course include:

- [Visual Studio 2019, Community Edition](#) (see [Notes](#) on the minimum version)
- [SQL Server 2019](#) or higher, **Developer Edition**
- [SQL Server Management Studio](#) (SSMS)

Recommended tools for this course include:

- [GitHub Desktop](#)
- [GitHub CLI](#) (*Command-Line Interface*)
- [Visual Studio Code](#) (see [Notes](#) on VS Code extensions)
- [Draw.io](#) ([desktop](#) and [online](#) versions)

Other recommended resources include:

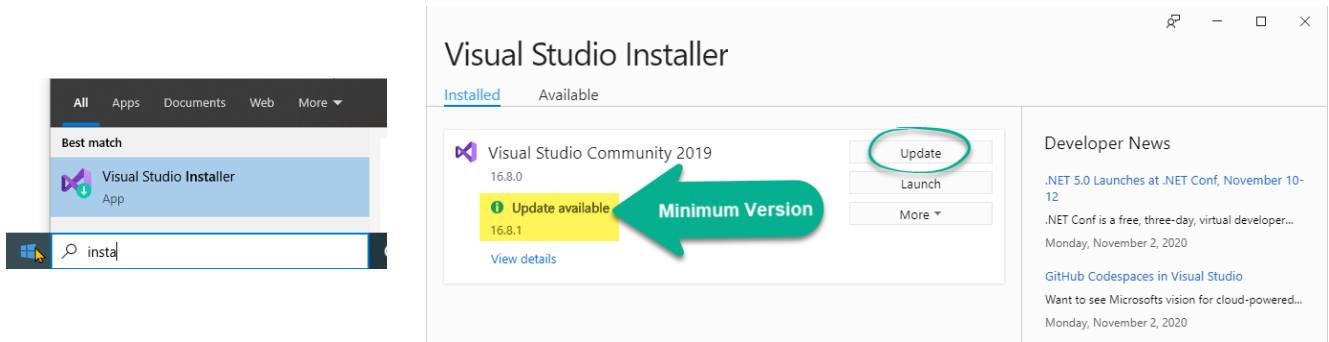
- [Learn Markdown](#)
- [Programming Fundamentals - An Object-Oriented Introduction to Programming in C#](#)

Advanced resources outside the scope of this course include:

- [Azure Developer Tools](#) - Sign in with your school-issued email address to get access to the free resources offered by Microsoft.
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VS 2019 Community

You need to be running version 1.16.8 or higher of Visual Studio 2019 in order to use **.Net 5.0**. If you need to upgrade, launch the Visual Studio Installer and upgrade through that tool.




You also should ensure you have the required workflows and components for this course.

Required Workflows	Recommended Workflows	Individual Components
<div> ASP.NET and web development Build web applications using ASP.NET Core, ASP.NET, HTML/JavaScript, and Containers including Docker support. </div>	<div> Azure development Azure SDKs, tools, and projects for developing cloud apps and creating resources using .NET Core and .NET </div>	<div> Modifying — Visual Studio Community 2019 — 16.8.2 Workloads Individual components La... Search components (Ctrl+Q) Uncategorized <input checked="" type="checkbox"/> GitHub Extension for Visual Studio <input checked="" type="checkbox"/> Live Share Location </div>
<div> Data storage and processing Connect, develop, and test data solutions with SQL Server, Azure Data Lake, or Hadoop. </div>	<div> .NET desktop development Build WPF, Windows Forms, and console applications using C#, Visual Basic, and F# with .NET Core and .NET </div>	
	<div> Node.js development Build scalable network applications using Node.js, an asynchronous event-driven JavaScript runtime. </div>	
	<div> Universal Windows Platform development Create applications for the Universal Windows Platform with C#, VB, or optionally C++. </div>	
	<div> .NET Core cross-platform development Build cross-platform applications using .NET Core, ASP.NET Core, HTML/JavaScript, and Containers including Docker </div>	

Badges

Custom badges for indicating documentation status and code status are generated from the [Shields.io](https://shields.io) website. Here are a few samples.

Documentation Status	100% Complete
Documentation Status	~90% Mostly Complete
Documentation Status	~70% + Usable
Documentation Status	40-70% Incomplete/Draft
Documentation Status	10-40% Rough Outline
Documentation Status	~10% Minimal Outline

 Code Status

Demo | Practice

Documentation Status

~70-90%