Day 7

The one link you need to recall

https://ddls.to/20483

Ready?

Do this every day BEFORE the class starts (takes about 15 minutes) (http://ddls.to/everyday)

1. Launch Lab01.
2. Login to Lab01 as **Admin**.
3. While in the Lab01 environment,
    i. run **cmd.exe** from the Windows Start button.
    ii. Run the command **git clone --depth 1** https://github.com/Mark-AIICT/CAD-2.git **C:\Users\Admin\Desktop\MarksFiles**
    iii. Navigate to **C:\Users\Admin\Desktop\MarksFiles\setups**, then right-mouse click **bootstrap.cmd** and **run as administrator**
    iv. While it's running, Sign in to Visual Studio on the Lab Environment. You can use any Microsoft account.
    v. When the script end it reboots the Virtual Machine. That's necessary.
    vi. Save the lab. (the save link is at the top right of the screen in the dropdown menu)

Course Outline

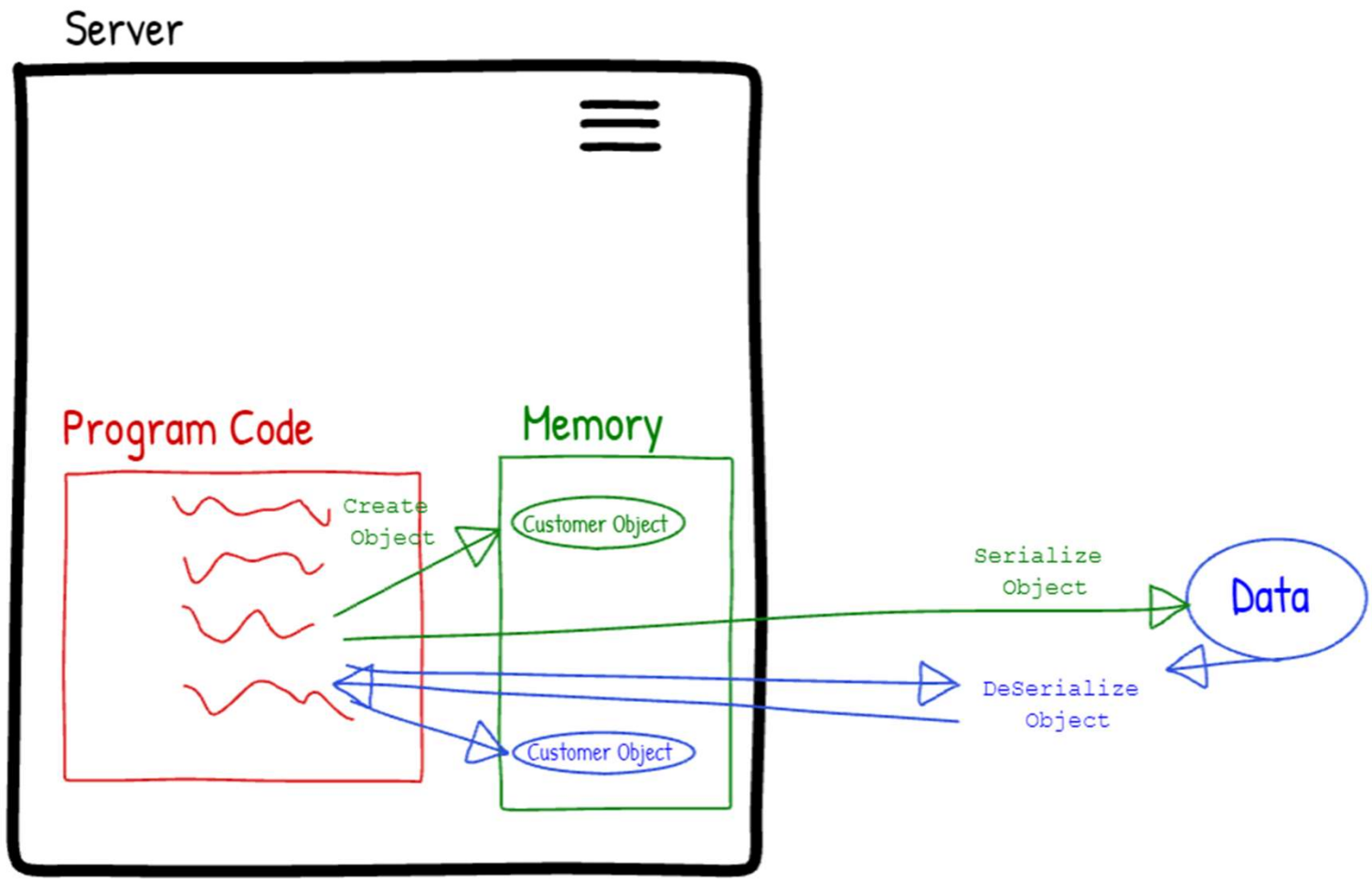
- Module 1: Review of Visual C# Syntax
- Module 2: Creating Methods, Handling Exceptions, and Monitoring Applications
- Module 3: Basic Types and Constructs of Visual C#
- Module 4: Creating Classes and Implementing Type-Safe Collections
- Module 5: Creating a Class Hierarchy by Using Inheritance
- Module 6: Reading and Writing Local Data
- Module 7: Accessing a Database

Lesson 1: Reading and Writing Files

- Reading and Writing Data by Using the File Class
- Manipulating Files
- Manipulating Directories
- Manipulating File and Directory Paths

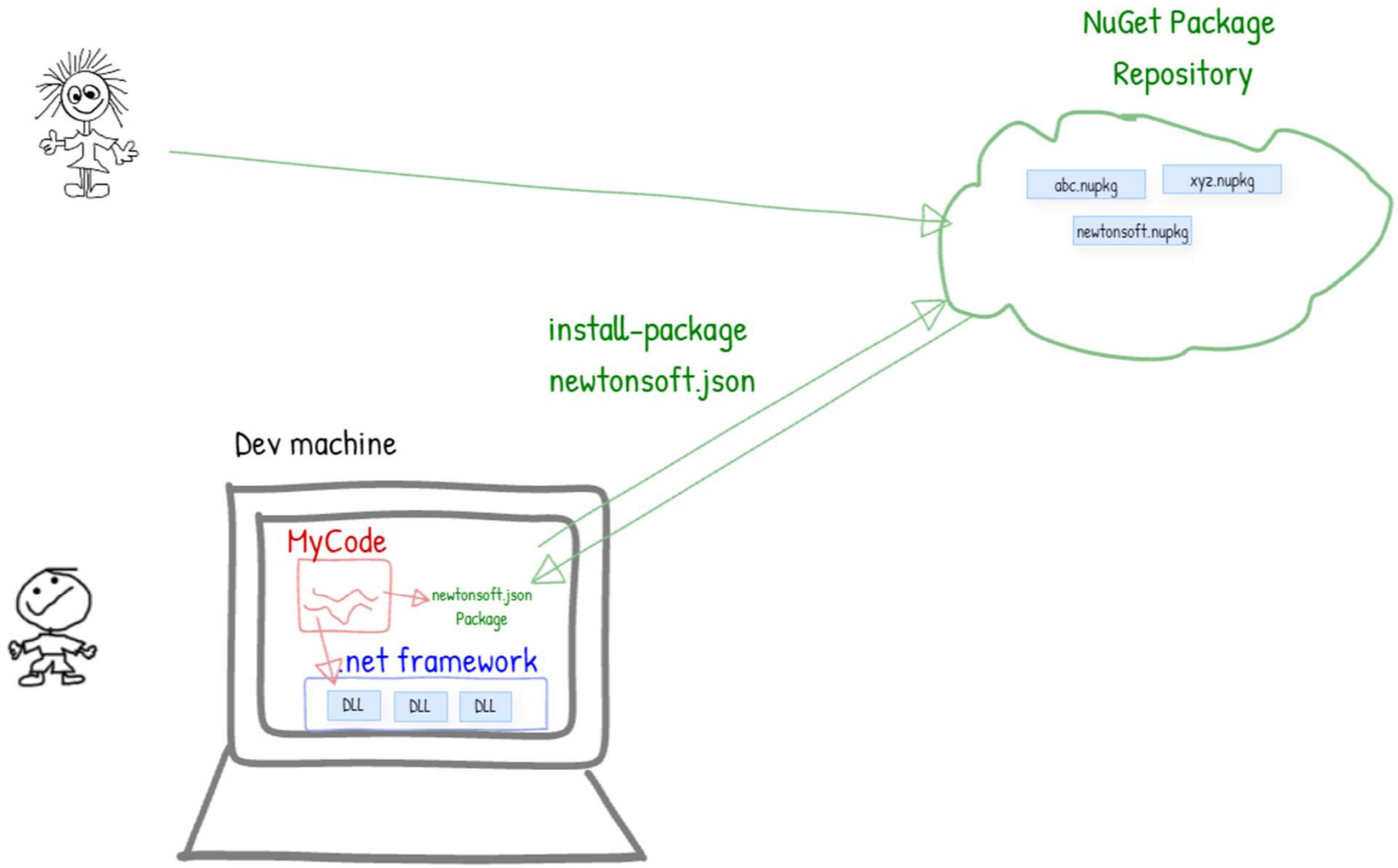
Lesson 2: Serializing and Deserializing Data

- What Is Serialization?
- Creating a Serializable Type
- Serializing Objects as Binary
- Serializing Objects as XML
- Serializing Objects as JSON
- Creating a Custom Serializer


Server
Program Code
Memory
Create
Object
Customer Object
Customer Object
Serialize
Object
Data
DeSerialize
Object

Lesson 3: Performing I/O by Using Streams

- What are Streams?
- Types of Streams in the .NET Framework
- Reading and Writing Binary Data by Using Streams
- Reading and Writing Text Data by Using Streams


NuGet Package
Repository
abc.nupkg
xyz.nupkg
newtonsoft.nupkg
install-package
newtonsoft.json
Dev machine
MyCode
newtonsoft.json
Package
.net framework
DLL
DLL
DLL

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