



# Module 1 Day 19-20

Module 1 Capstone

# What makes an application?

- Program Data

- ✓ Variables & .NET Data Types
- ✓ Arrays
- ✓ More Collections (list, dictionary, stack, queue)
- ✓ Classes and objects (OOP)

- Program Logic

- ✓ Statements and expressions
- ✓ Conditional logic (if)
- ✓ Repeating logic (for, foreach, do, while)
- ✓ Methods (functions / procedures)
- ✓ Classes and objects (OOP)
- Frameworks (MVC)

- Input / Output

- User
  - ✓ Console read / write
  - HTML / CSS
  - Front-end frameworks (HTML / CSS / JavaScript)
- Storage
  - ✓ File I/O
  - Relational database
  - APIs

Module 2  
Module 3

# Module 1 Capstone

- Two days (plus weekend) - No class Thu & Fri
  - You are still expected to be around 9:00 – 4:30
  - Due Monday 9:00am
- You can get access to your repo starting tomorrow morning
  - You must first share your design with me
- I'll be available for consultation all morning Thu
- Tests are expected!
- *ConsoleMenuFramework* package - optional
- Monday morning, we will have a *Module 1 Assessment*
  - 1 hour long
  - Independent