# .NET Developer Practicum

**The .NET Developer practicum is evaluated on:**

1. Object Oriented Design
2. Readability
3. Maintainability
4. Testability

**Technical Requirements:**

1. Create this solution as a console application
2. Solution must have unit tests:
   * One unit test that tests one of your classes in isolation
   * One acceptance tests that tests at least one of the sample inputs/outputs below

**Hints:**

1. Create small, decoupled classes
2. Use interfaces
3. Set up classes in such a way that you can use IoC
4. Create a test class for each class, even if there is only one test
5. It’s OK to use Google or any online resource

**Rules (implement in order shown below – if you run out of time, just not up to which number are the rules implemented):**

1. You must enter a comma delimited list of Dish Types with at least one selection
2. The output must print Dish Names in the following order: entrée, side, drink, dessert
3. If invalid selection is encountered, then print “error”
4. You can have multiple orders of potatoes: you can only order 1 of each dish type
5. If more than one dish type is entered, output it once, followed by “(xN)”, e.g. “potato(x2)”

**Dishes for Each time of day**

|  |  |
| --- | --- |
| **Dish Type** | **Dish Name** |
| 1 (entrée) | steak |
| 2 (side) | potato |
| 3 (drink) | wine |
| 4 (dessert) | cake |

**Sample Input and Output:**

|  |  |
| --- | --- |
| **Input** | **Output** |
| 1, 2, 3, 4 | steak, potato, wine, cake |
| 1, 2, 2, 4 | steak, potato(x2), cake |
| 1, 2, 3, 5 | error |
| 1, 1, 2, 3, 5 | error |