

## 2.1P: In Person Check-in 1 – Answer Sheet

1. Briefly describe your prior experience with programming.

2. Based on what you have seen so far, what do you think will be most challenging about COS20007?

3. What can you do to prepare yourself for that challenge (resources you can use, approach to studying etc.)?

4. Is there anything you think the teaching staff should know to best help you this semester?

# UNit Test

The screenshot displays the Visual Studio IDE with a unit test project named 'QueueApplication'. The main editor shows the file 'UnitTest1.cs' with the following code:

```
1 using QueueApplication;
2
3 namespace TestQueue
4 {
5     0 references
6     public class Tests
7     {
8         [Test]
9         public void TestEnqueue()
10         {
11             IntegerQueue myQueue = new IntegerQueue();
12             myQueue.Enqueue(12345);
13             int myCount = myQueue.Count();
14             Assert.That(myCount, Is.EqualTo(1));
15             Assert.That(myQueue._elements.Count(), Is.EqualTo(1));
16             Assert.That(myQueue._elements[0], Is.EqualTo(12345));
17             Assert.Pass();
18         }
19
20         [Test]
21         public void TestDequeue()
22         {
23             Assert.Fail();
24         }
25     }
26 }
27
28
29
```

The Test Explorer window is open, showing the test results:

- Test run finished: 2 Tests (1 Passed, 1 Failed, 0 Skipped) run in 132 ms
- Test Queue (2) - 19 ms
- TestQueue - Tests in group: 2, Total Duration: 19 ms
- Outcomes: 1 Passed, 1 Failed

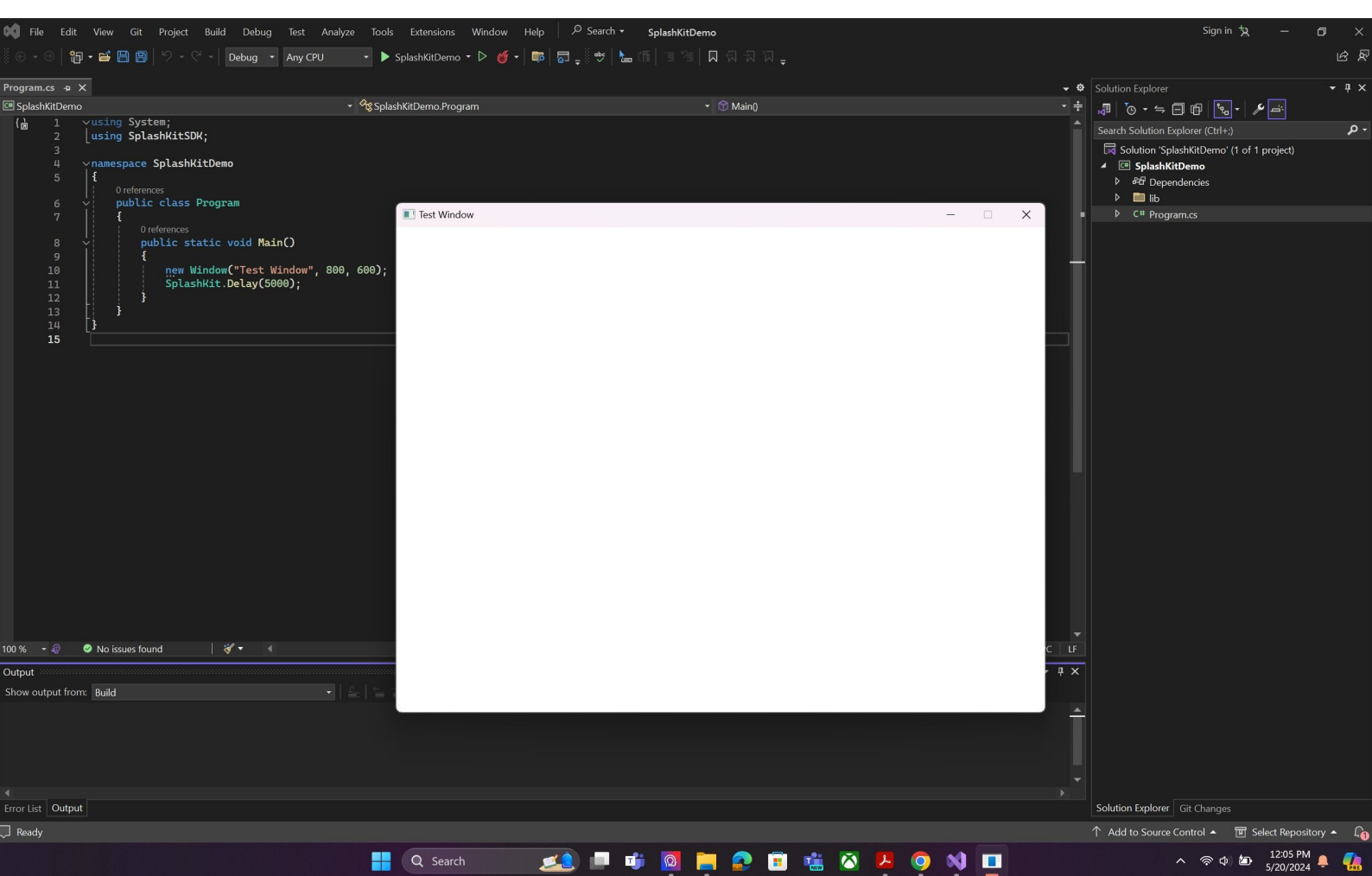
The Solution Explorer shows the project structure:

- QueueApplication (2 of 2 projects)
- Dependencies
- IntegerQueue.cs
- Program.cs
- TestQueue
- UnitTest1.cs

The Output window shows the build output:

```
1>----- Build started: Project: TestQueue, Configuration: Debug Any CPU -----
1>Skipping analyzers to speed up the build. You can execute 'Build' or 'Rebuild' to force analyzers to run.
1>TestQueue -> C:\Users\cos20097\Projects\TestQueue\bin\Debug\net8.0\TestQueue.dll
1>TestQueue: 1 succeeded, 0 failed, 1 up-to-date, 0 skipped
----- Build completed at 1:22 PM and took 00.269 seconds -----
```

# SplashKit Installation



# Visual Studio Installation

