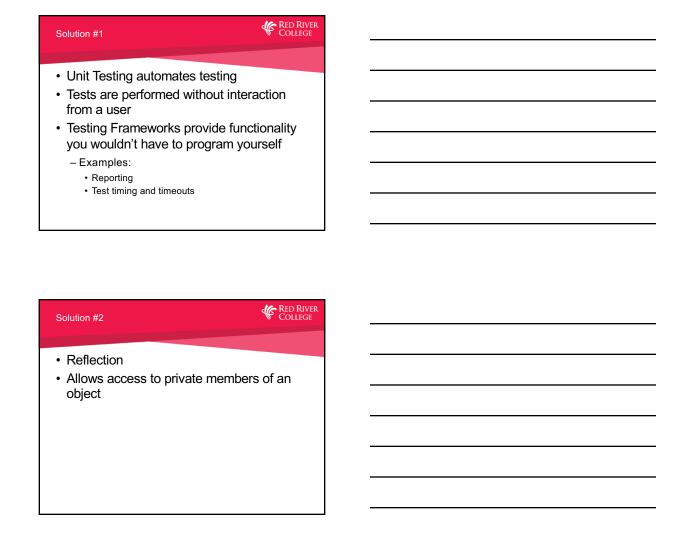
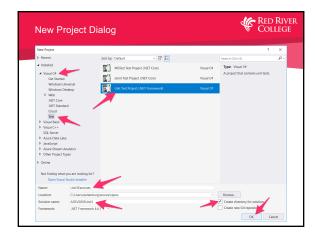


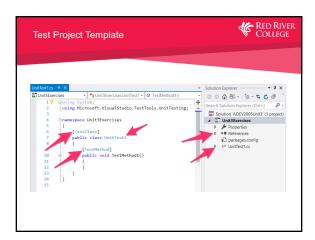
Can't access private methodsCan't isolate it from other code



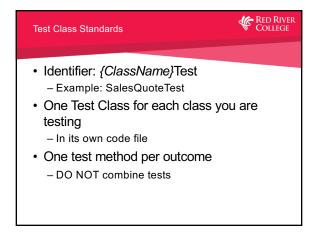


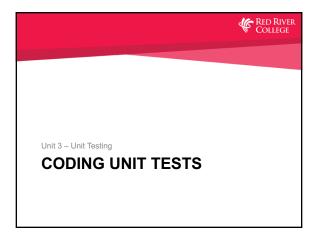
• Unit testing is done in a Test Project

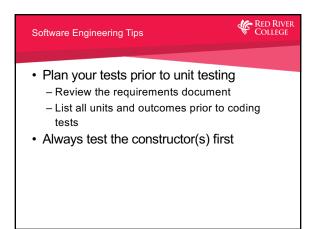


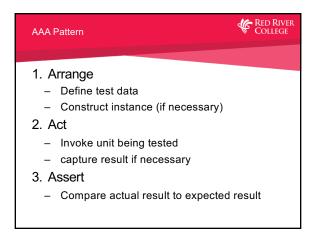


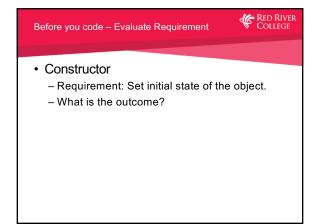


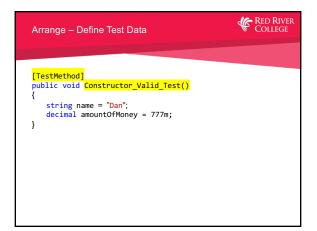


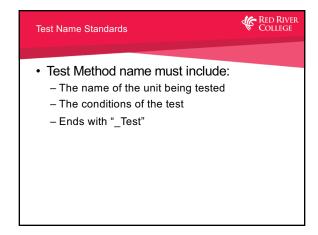


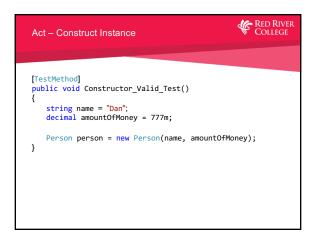






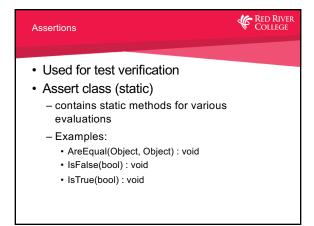


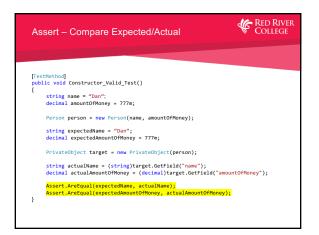




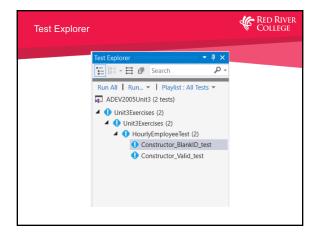


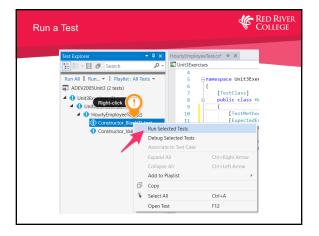
```
| TrestMethod|
| public void Constructor_Valid_Test() |
| string name = "Dam";
| decimal amountOfMoney = 777m;
| Person person = new Person(name, amountOfMoney);
| string expectedName = "Dam";
| decimal expectedName = (string)target.GetField("name");
| decimal actualNamountOfMoney = (decimal)target.GetField("amountOfMoney");
| }
```

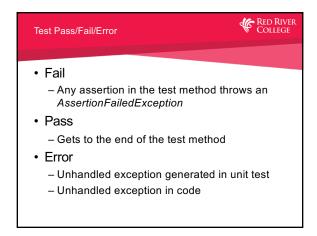


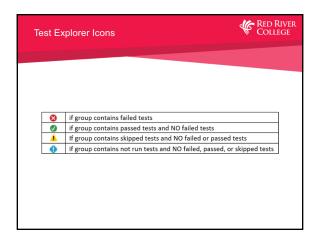


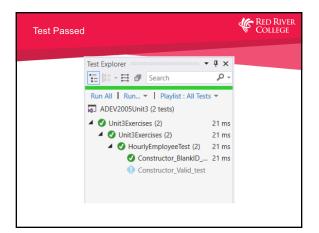


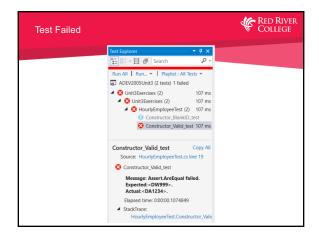




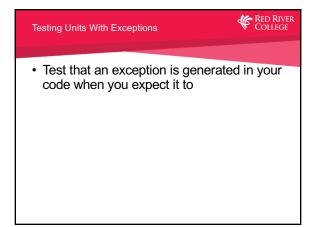


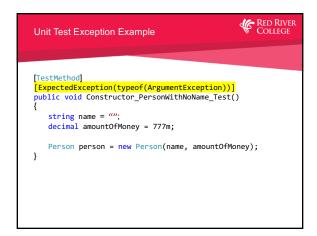


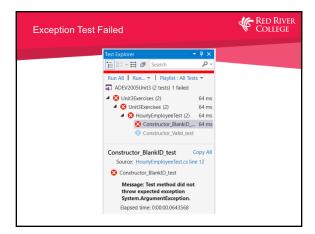


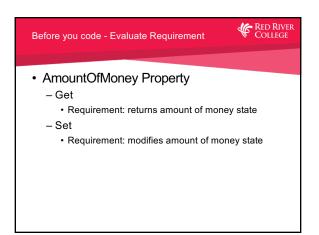












```
[TestMethod]
public void GetAmountOfMoney_Test()
{
    string name = "Dan";
    decimal amountOfMoney = 777m;
}
```

```
[TestMethod]
public void GetAmountOfMoney_Test()
{
    string name = "Dan";
    decimal amountOfMoney = 777m;
    Person person = new Person(name, amountOfMoney);
}
```

```
[TestMethod]
public void GetAmountOfMoney_Test()
{
    string name = "Dan";
    decimal amountOfMoney = 777m;

    Person person = new Person(name, amountOfMoney);
    decimal expectedAmountOfMoney = 777m;

    decimal actualAmountOfMoney = person.AmountOfMoney;
}
```

```
| TestMethod|
| public void GetAmountOfMoney_Test() |
| string name = "Dan";
| decimal amountOfMoney = 777m;
| Person person = new Person(name, amountOfMoney);
| decimal expectedAmountOfMoney = 777m;
| decimal actualAmountOfMoney = person.AmountOfMoney;
| Assert.AreEqual(expectedAmountOfMoney, actualAmountOfMoney);
| }
```

```
| TestMethod|
| public void SetAmountOfMoney_Valid_Test() {
| string name = "Dan"; | decimal amountOfMoney = 777m; |
| Person person = new Person(name, amountOfMoney); | decimal expectedAmountOfMoney = 333m; |
| person.AmountOfMoney = 333m; |
| PrivateObject target = new PrivateObject(person); |
| decimal actualAmountOfMoney = (decimal)target.GetField("amountOfMoney"); |
| Assert.AreEqual(expectedAmountOfMoney, actualAmountOfMoney); |
| }
```

```
[TestMethod]
public void SetAmountOfMoney_NegativeValue_Test()

string name = "Dan";
decimal amountOfMoney = 777m;

person person = new Person(name, amountOfMoney);
decimal expectedAmountOfMoney = 777m;

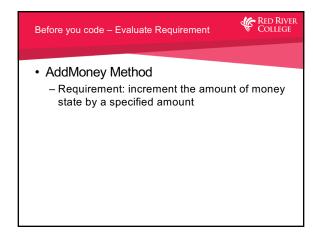
try

person_AmountOfMoney = -333m;

Assert.Fail("Did not throw ArgumentOutOfRangeException as expected.");
} catch (ArgumentOutOfRangeException)

{
    PrivateObject target = new PrivateObject(person);
    decimal actualAmountOfMoney = (decimal)target.GetField("amountOfMoney");

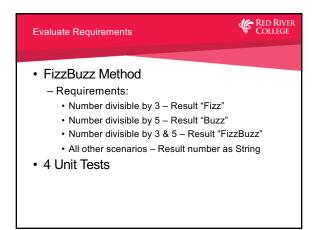
Assert.AreEqual(expectedAmountOfMoney, actualAmountOfMoney);
}
}
```

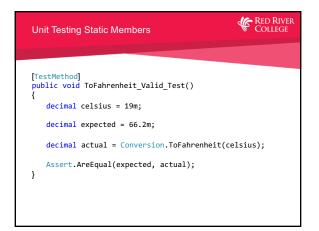


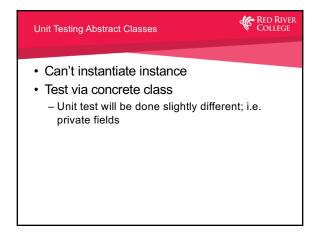
```
[TestMethod]
public void AddMoney_Valid_Test()
{
    string name = "Dan";
    decimal startingMoney = 777m;
    decimal additionalMoney = 333m;
    Person person = new Person(name, startingMoney);
    decimal expectedAmountOfMoney = 1443m;
    person.AddMoney(additionalMoney);
    person.AddMoney(additionalMoney);
    person.AddMoney(additionalMoney);
    PrivateObject target = new PrivateObject(person);
    decimal actualAmountOfMoney = (decimal)target.GetField("amountOfMoney");
    Assert.AreEqual(expectedAmountOfMoney, actualAmountOfMoney);
}
```

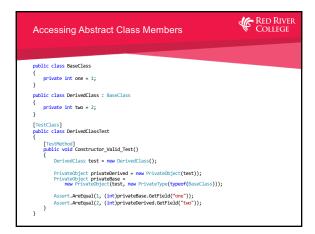
```
[TestMethod]
public void NameToUppercase_Valid_Test()
{
    string name = "Dan";
    decimal startingMoney = 777m;
    Person person = new Person(name, startingMoney);
    string expected = "DAN";
    PrivateObject target = new PrivateObject(person);
    string actual = (string)target.Invoke("nameToUppercase");
    Assert.AreEqual(expected, actual);
}
```

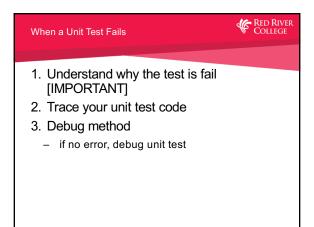
```
public static String FizzBuzz(int number)
{
    string message = ";
    if (isDivisibleBy(number, 3)) {
        message += "Fizz";
    }
    if (isDivisibleBy(number, 5)) {
        message += "Buzz";
    }
    if (message.Length == 0) {
        message += number;
    }
    return message;
}
```

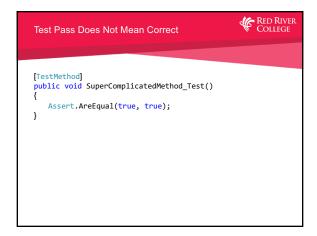


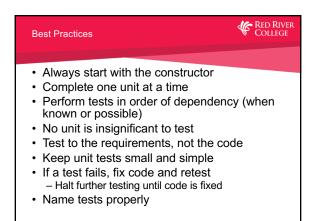


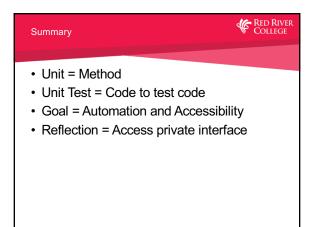












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QUESTIONS?			