

class **Tests.PersonTest** extends [UnitTest.TestHelper](#)

► **Inventory**

► **Summary**

▼ **Methods**

- method **CreateHappyPerson()** as [DataModel.Person](#)

Helper method that creates a valid [DataModel.Person](#) instance.

```
Set person = ##class(DataModel.Person).%New()
Set person.FirstName = "Justin"
Set person.LastName = "DeWind"
Set person.Address = "123 Foo"
Set person.Sex = "Male"
Set person.SSN = "123-12-1234"
Set person.State = "MI"
Set person.City = "Holland"
Set person.ZipCode = 49301
Quit person
```

- method **TestFields()**

Verifies that all of the fields we expect exist and that it can be saved to the database

```
Set person = ..CreateHappyPerson()
Do $$$AssertStatusOK(person.%Save())
Do $$$AssertEquals(person, ##class(DataModel.Person).%OpenId(person.%Id()))
```

- method **TestSSNValidation()**

Tests SSN field validation

```
Set person = ..CreateHappyPerson()  
Set person.SSN = "123-123-1234"  
Do $$$AssertStatusNotOK(person.%Save())  
Set person.SSN = "123-12-123"  
Do $$$AssertStatusNotOK(person.%Save())  
Set person.SSN = "12-12-1234"  
Do $$$AssertStatusNotOK(person.%Save())  
Set person.SSN = "12312-1234"  
Do $$$AssertStatusNotOK(person.%Save())  
Set person.SSN = "123-121234"  
Do $$$AssertStatusNotOK(person.%Save())  
Set person.SSN = "ABC-12-1234"  
Do $$$AssertStatusNotOK(person.%Save())  
Set person.SSN = "123-CD-1234"  
Do $$$AssertStatusNotOK(person.%Save())  
Set person.SSN = "123-12-EFGH"  
Do $$$AssertStatusNotOK(person.%Save())  
  
Set person.SSN = "321-21-4321"  
Do $$$AssertStatusOK(person.%Save())
```

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- method **TestSexValidation()**

Tests Sex field validation

```
Set person = ..CreateHappyPerson()  
Set person.Sex = "Neutral"  
Do $$$AssertStatusNotOK(person.%Save())  
Set person.Sex = "None"  
Do $$$AssertStatusNotOK(person.%Save())  
  
Set person.Sex = "Male"  
Do $$$AssertStatusOK(person.%Save())  
Set person.Sex = "Female"  
Do $$$AssertStatusOK(person.%Save())
```

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- method **TestZipValidation()**

Tests ZipCode field validation

```
Set person = ..CreateHappyPerson()  
Set person.ZipCode = "1234"  
Do $$$AssertStatusNotOK(person.%Save())  
Set person.ZipCode = "A1234"  
Do $$$AssertStatusNotOK(person.%Save())  
Set person.ZipCode = "12B34"  
Do $$$AssertStatusNotOK(person.%Save())  
  
Set person.ZipCode = "49506"  
Do $$$AssertStatusOK(person.%Save())
```

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