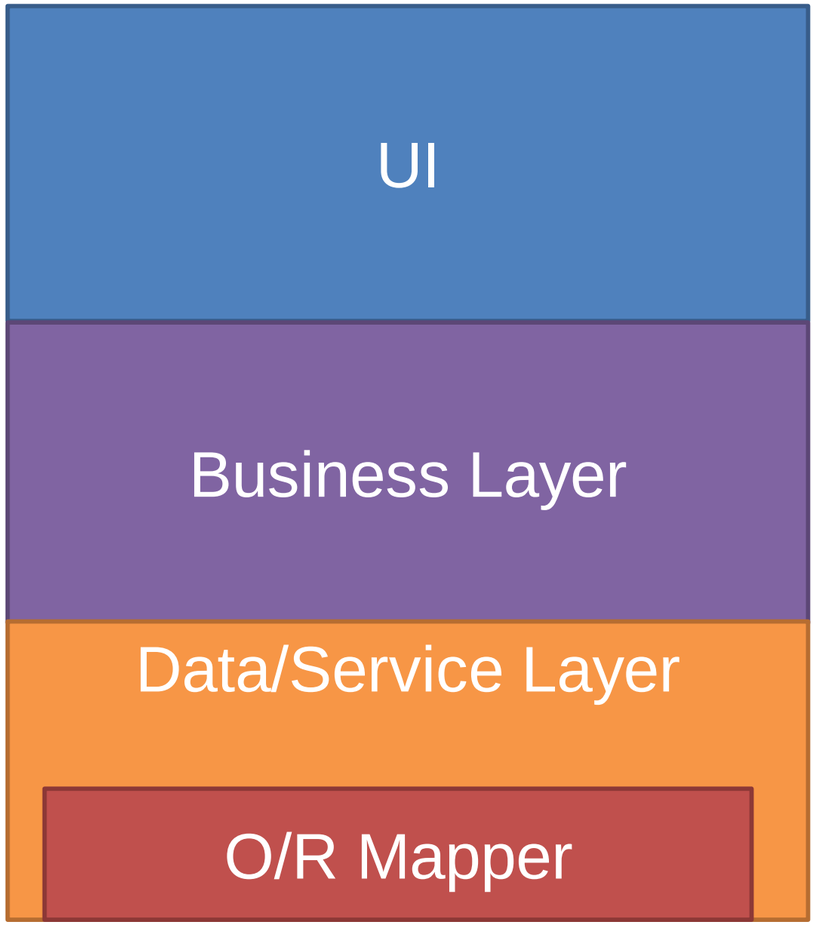
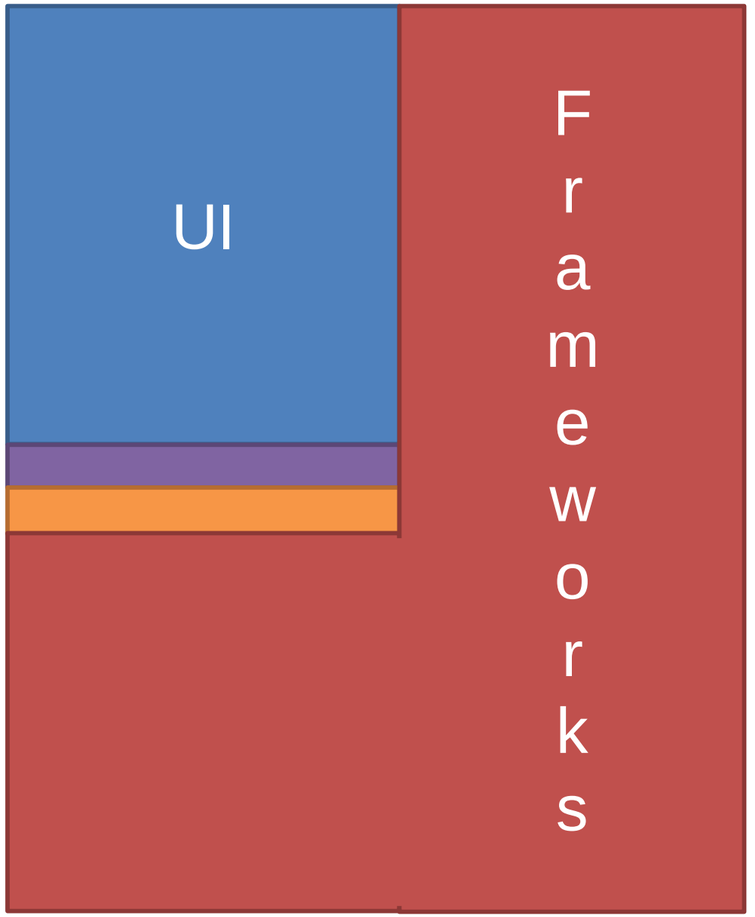
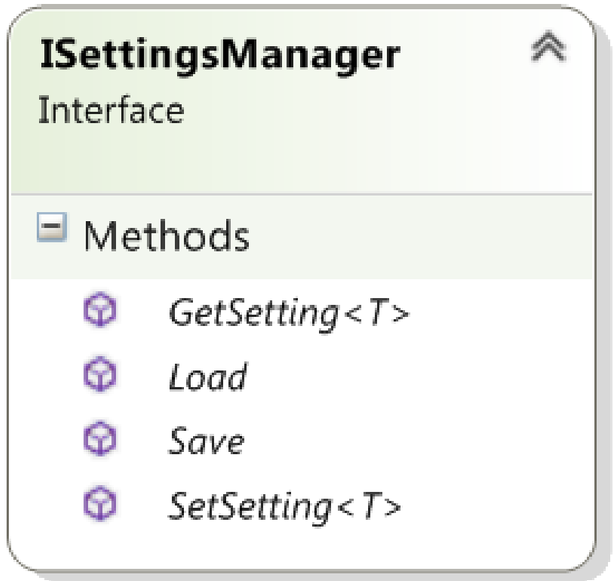
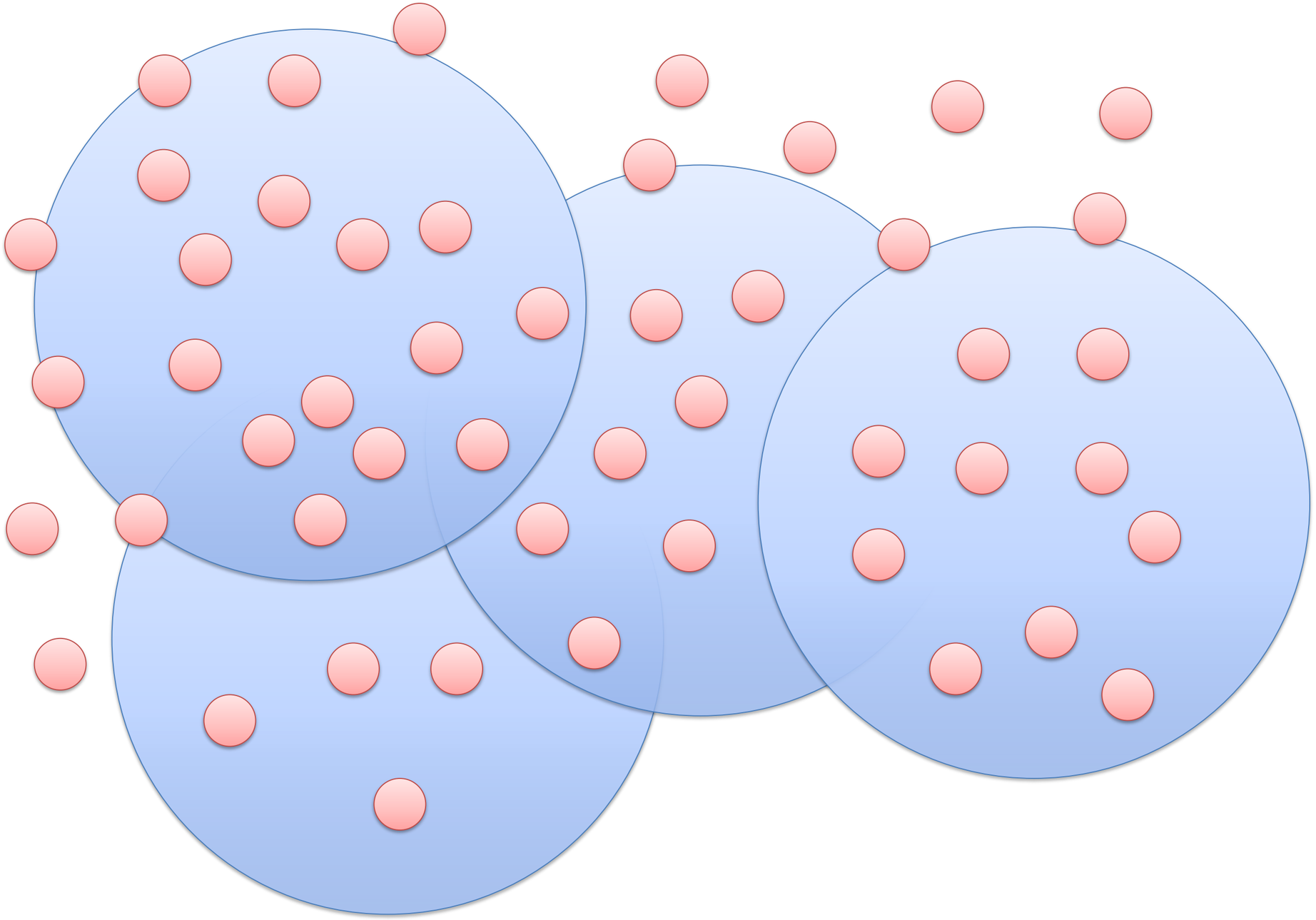
Unit Test vs. Component Test


UI
Business Layer
Data/Service Layer
O/R Mapper

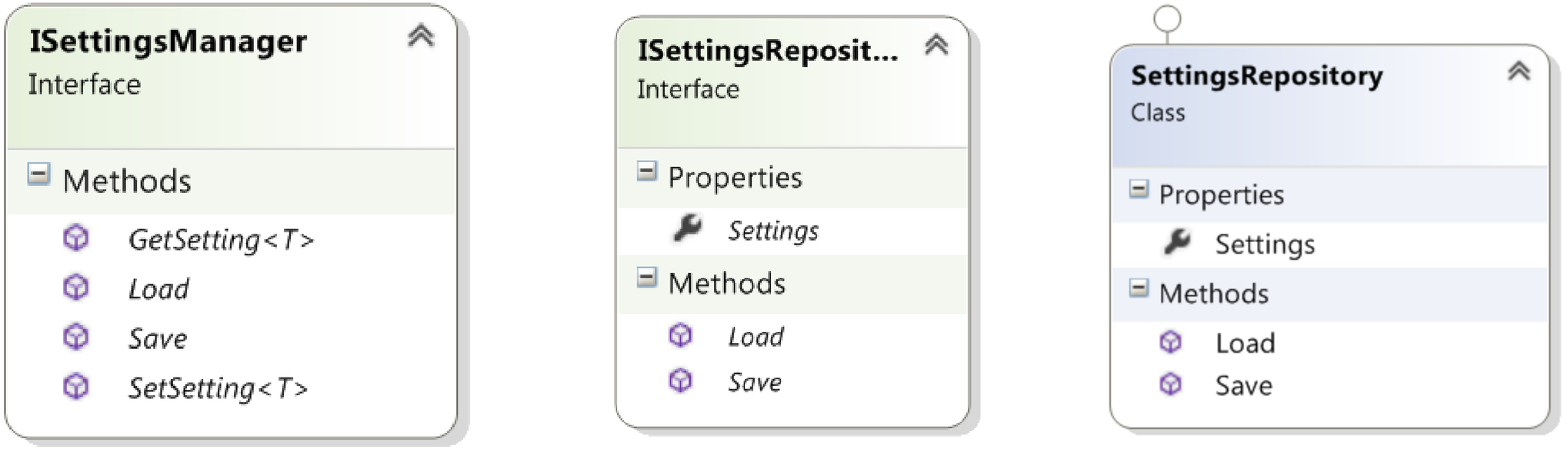

UI
Frameworks


ISettingsManager
Interface
Methods
GetSetting<T>
Load
Save
SetSetting<T>

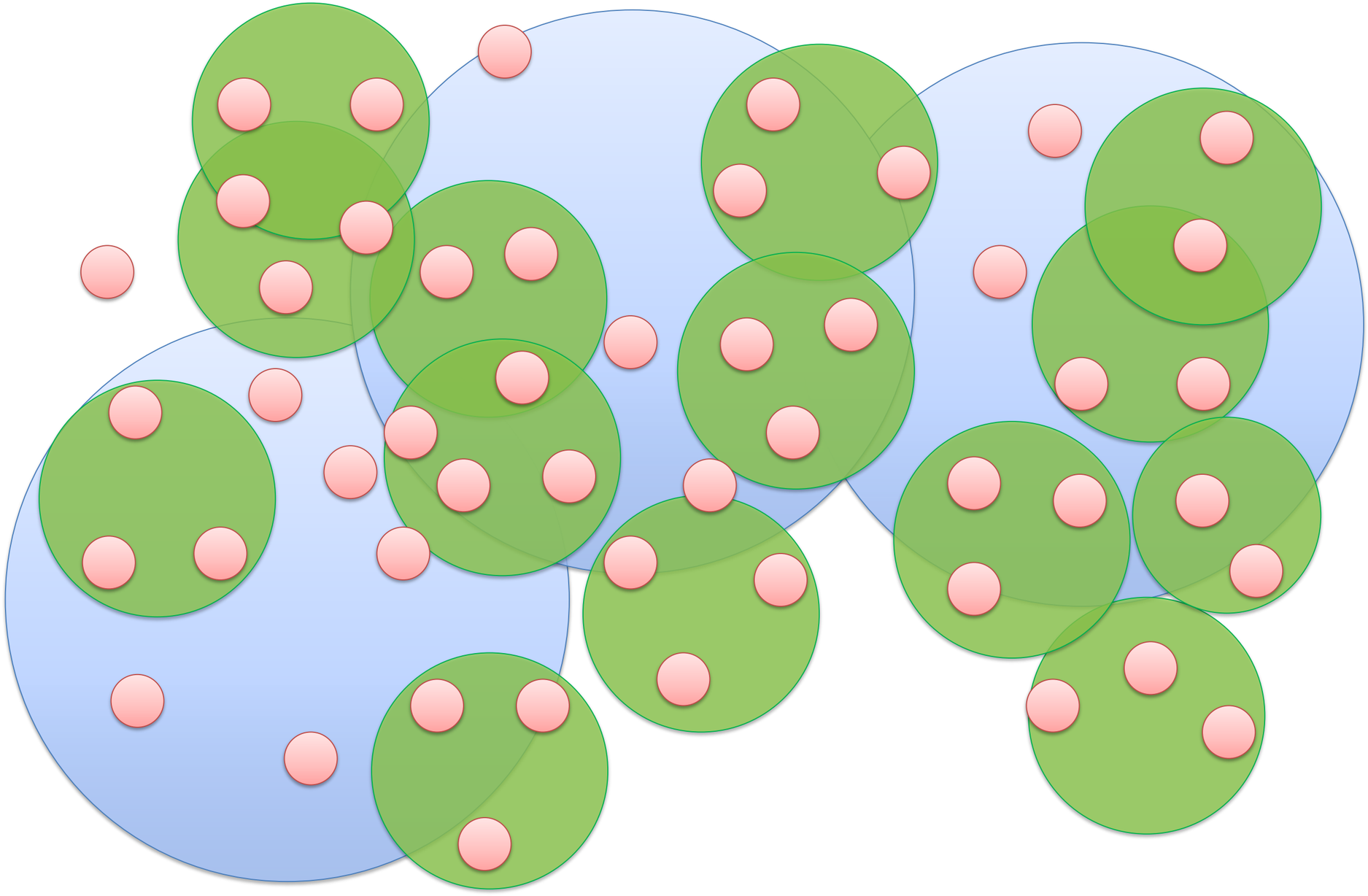


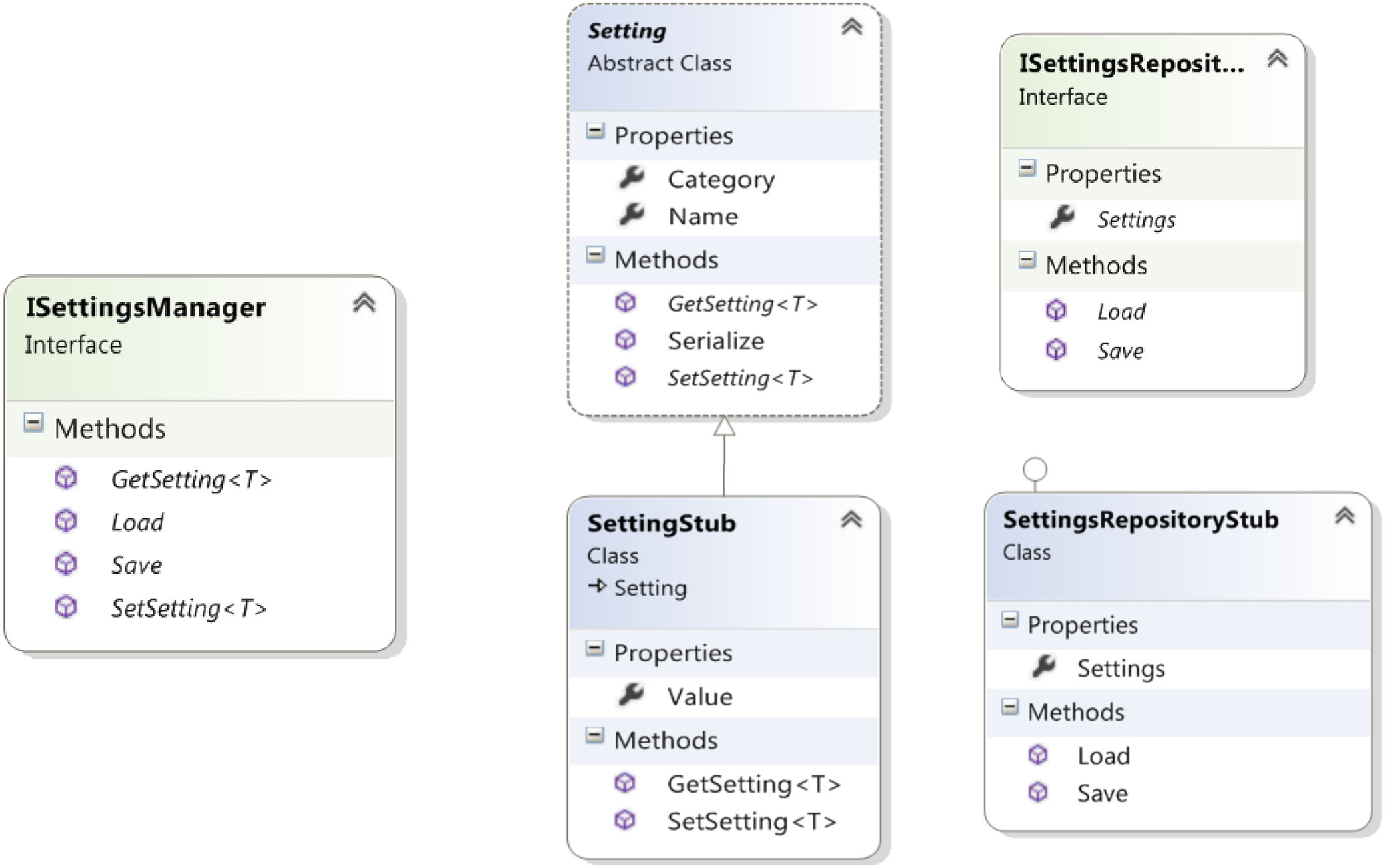
Unit Test

- Checks Code, written by us,
- without dependencies to code not written by us.

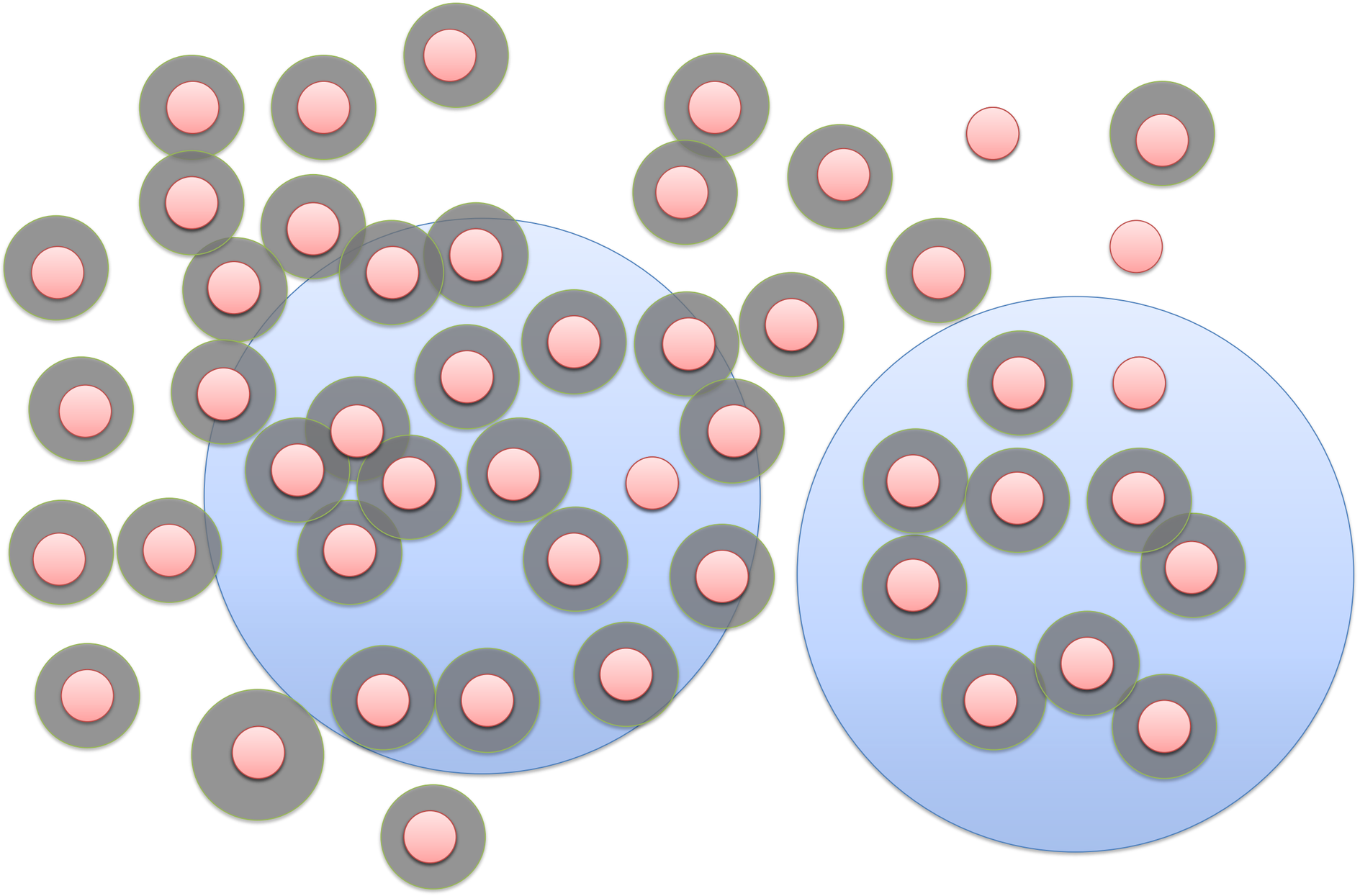

ISettingsManager
Interface
Methods
GetSetting<T>
Load
Save
SetSetting<T>
ISettingsReposit...
Interface
Properties
Settings
Methods
Load
Save
SettingsRepository
Class
Properties
Settings
Methods
Load
Save

```
[TestMethod]
public void SettingOfType_String_ShallBeReadCorrectly()
{









}
```




ISettingsManager
Interface
Methods
GetSetting<T>
Load
Save
SetSetting<T>
Setting
Abstract Class
Properties
Category
Name
Methods
GetSetting<T>
Serialize
SetSetting<T>
SettingStub
Class
Setting
Properties
Value
Methods
GetSetting<T>
SetSetting<T>
ISettingsReposit...
Interface
Properties
Settings
Methods
Load
Save
SettingsRepositoryStub
Class
Properties
Settings
Methods
Load
Save

```
[TestMethod]
public void SettingOfType_String_ShallBeReadCorrectly()
{




}
```

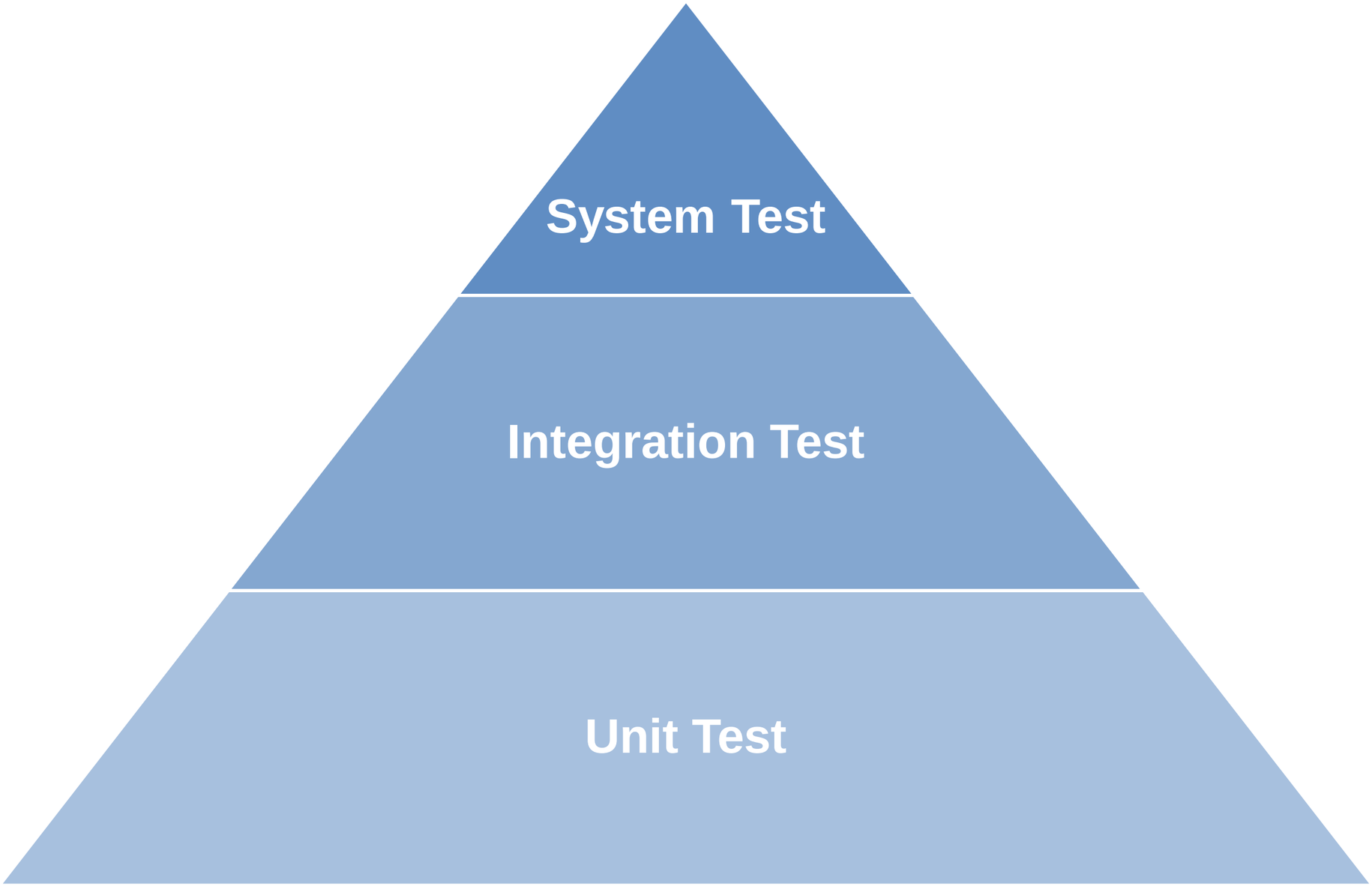


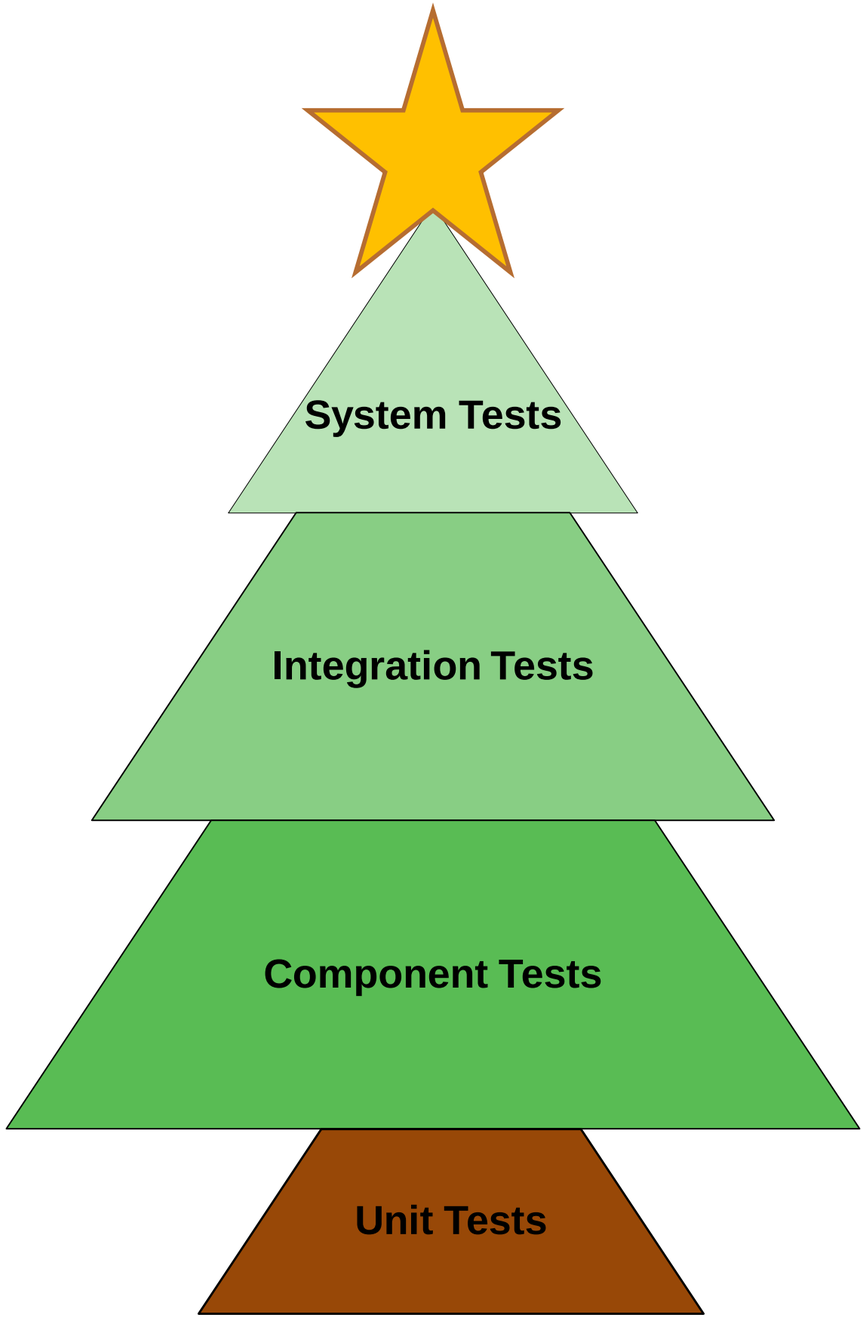
Unit Test

- Checks Code, written by us,
- without dependencies to code not written by us.

Component Test

- Checks multiple classes written by us.
- Avoids external dependencies.


System Test
Integration Test
Unit Test


System Tests
Integration Tests
Component Tests
Unit Tests