

WSB merito Chorzów

Programowanie obiektywne. Zadanie 2

[Document subtitle]

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Link na git: <https://github.com/cistakovu00/SampleHierarchies.App.git>

1. Aby ukończyć pierwszą część zadań, utworzyliśmy klasy ScreenLineEntry, ScreenDefinition i ScreenDefinitionService oraz dodaliśmy pole screenDefinitionJson do klasy Screen:

```
99+ references
public static class ScreenDefinitionService
{
    3 references | 2/2 passing
    public static ScreenDefinition Load(string jsonFileName) ...
    99+ references | 1/1 passing
    public static void ShowLine(string jsonFileName, int lineNumber) ...
}
```

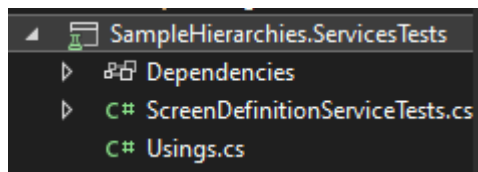
```
public class ScreenLineEntry
{
    public ConsoleColor ForegroundColor { get; set; }
    public ConsoleColor BackgroundColor { get; set; }
    public string? Text { get; set; }
}
```

```
7 references
public class ScreenDefinition
{
    public List<ScreenLineEntry>? LineEntries;
}
```

```
public abstract class Screen
{
    #region Public Methods
    /// <summary>
    /// Show the screen.
    /// </summary>
    public virtual string ScreenDefinitionJson { get; set; } = null!;
    14 references
    public virtual void Show()
    {
        Console.WriteLine("Showing screen");
    }
    #endregion // Public Methods
}
```

```
MainScreen -> AnimalsScreen -> MammalsScreen -> OrangutansScreen
Your available choices are:
0. Exit
1. List all orangutans
2. Create a new orangutan
3. Delete existing orangutan
4. Modify existing orangutan
Please enter your choice:
```

W drugiej części musieliśmy dodać testy jednostkowe do klasy
ScreenDefinitionService - ScreenDefinitionServiceTests:



```
[TestClass]
0 references
public class ScreenDefinitionServiceTests
{
    private string jsonFileName = Path.Combine(AppDomain.CurrentDomain.BaseDirectory, "existing.json");

    [TestMethod]
    0 references
    public void Load_ExistingJsonFile_ReturnsScreenDefinition()...

    [TestMethod]
    [ExpectedException(typeof(Exception))]
    0 references
    public void Load_NonExistingJsonFile_ThrowsException()...

    [TestMethod]
    [ExpectedException(typeof(Exception))]
    0 references
    public void ShowLine_InvalidLineNumber_ThrowsException()...
}
```