

Namespace MyPlanner.Tests

Classes

[MyTaskHandlerTest](#)

[MyTaskTest](#)

[PlannerTest](#)

[PrivateTaskTest](#)

[WorkTaskTest](#)

Class MyTaskHandlerTest

Namespace: [MyPlanner.Tests](#)








Assembly: MyPlanner2.Tests.dll

```
public class MyTaskHandlerTest
```

Inheritance

[object](#)  ← MyTaskHandlerTest

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  ,
[object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  ,
[object.ToString\(\)](#) 

Methods

Setup()

[SetUp]

```
public void Setup()
```

TestCompleteTask()

[Test]

```
public void TestCompleteTask()
```

TestCompleteTaskNegative()

[Test]

```
public void TestCompleteTaskNegative()
```

TestCreatePrivateTask()

```
[Test]  
public void TestCreatePrivateTask()
```

TestCreateTaskHandler()

```
[Test]  
public void TestCreateTaskHandler()
```

TestCreateWorkTask()

```
[Test]  
public void TestCreateWorkTask()
```

TestDeleteTask()

```
[Test]  
public void TestDeleteTask()
```

TestDeleteTaskNegative()

```
[Test]  
public void TestDeleteTaskNegative()
```

TestDescriptionPrivateTaskNegative()

```
[Test]  
public void TestDescriptionPrivateTaskNegative()
```

TestDescriptionWorkTaskNegative()

```
[Test]  
public void TestDescriptionWorkTaskNegative()
```

TestGetNoOfTasksMock()

```
[Test]  
public void TestGetNoOfTasksMock()
```

TestGetOneTask()

```
[Test]  
public void TestGetOneTask()
```

TestGetTasks()

```
[Test]  
public void TestGetTasks()
```

TestUpdatePrivateTask()

```
[Test]  
public void TestUpdatePrivateTask()
```

TestUpdatePrivateTaskNegative()

```
[Test]  
public void TestUpdatePrivateTaskNegative()
```

TestUpdateWorkTask()

```
[Test]  
public void TestUpdateWorkTask()
```

TestUpdateWorkTaskNegative()

```
[Test]  
public void TestUpdateWorkTaskNegative()
```

Class MyTaskTest

Namespace: [MyPlanner.Tests](#)








Assembly: MyPlanner2.Tests.dll

```
public class MyTaskTest
```

Inheritance

[object](#)  ← MyTaskTest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#) 

Methods

Setup()

```
[SetUp]  
public void Setup()
```

TestCreateMyTask()

```
[Test]  
public void TestCreateMyTask()
```

TestDescriptionCompleted()

```
[Test]  
public void TestDescriptionCompleted()
```

TestDescriptionNotCompleted()

```
[Test]  
public void TestDescriptionNotCompleted()
```

TestGetInformation()

```
[Test]  
public void TestGetInformation()
```

TestUpdateMyTaskPrivate()

```
[Test]  
public void TestUpdateMyTaskPrivate()
```

TestUpdateMyTaskWork()

```
[Test]  
public void TestUpdateMyTaskWork()
```

Class PlannerTest

Namespace: [MyPlanner.Tests](#)








Assembly: MyPlanner2.Tests.dll

```
[TestFixture]
public class PlannerTest
```

Inheritance

[object](#)  ← PlannerTest

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  ,
[object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  ,
[object.ToString\(\)](#) 

Methods

Setup()

```
[SetUp]
public void Setup()
```

TearDown()

```
[TearDown]
public void TearDown()
```

TestCreatePlanner()

```
[Test]
public void TestCreatePlanner()
```


TestInvalidMenuOption()

```
[Test]  
public void TestInvalidMenuOption()
```

TestMenuEnd()

```
[Test]  
public void TestMenuEnd()
```

TestShowMenu()

```
[Test]  
public void TestShowMenu()
```

Class PrivateTaskTest

Namespace: [MyPlanner.Tests](#)








Assembly: MyPlanner2.Tests.dll

```
public class PrivateTaskTest
```

Inheritance

[object](#)  ← PrivateTaskTest

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  ,
[object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  ,
[object.ToString\(\)](#) 

Methods

CreatePrivateTask()

```
[Test]  
public void CreatePrivateTask()
```

Setup()

```
[SetUp]  
public void Setup()
```

TestDescription()

```
[Test]  
public void TestDescription()
```

TestGetInformation()

[Test]

```
public void TestGetInformation()
```

Class WorkTaskTest

Namespace: [MyPlanner.Tests](#)








Assembly: MyPlanner2.Tests.dll

```
public class WorkTaskTest
```

Inheritance

[object](#)  ← WorkTaskTest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#) 

Methods

CreateWorkTask(int)

```
[TestCase(0)]  
[TestCase(100)]  
public void CreateWorkTask(int input)
```

Parameters

input [int](#) 

Setup()

```
[SetUp]  
public void Setup()
```

TestDescription()

```
[Test]
public void TestDescription()
```

TestGetInformation()

```
[Test]
public void TestGetInformation()
```

TestGetProgression(int, int)

```
[TestCase(0, 0)]
[TestCase(40, 40)]
[TestCase(50, 50)]
[TestCase(100, 100)]
public void TestGetProgression(int input, int expected)
```

Parameters

input [int](#)

expected [int](#)

TestIsCompleted(int, bool)

```
[TestCase(0, false)]
[TestCase(50, false)]
[TestCase(80, true)]
[TestCase(100, true)]
public void TestIsCompleted(int input, bool expected)
```

Parameters

input [int](#)

expected [bool](#)

Namespace MyPlanner.src

Classes

[FileHandler](#)

[Helpers](#)

A Helper class with useful methods for the terminal and parsing from string to int.

[MyTask](#)

This class MyTask describes a task in the planning tool MyPlanner2.

[MyTaskHandler](#)

This class MyTaskHandler takes care of the tasks in a planning tool MyPlanner2.

[Planner](#)

This class is the terminalprogram used for the planning tool MyPlanner2.

[PrivateTask](#)

This class PrivateTask is an extension of MyTask used in the planning tool MyPlanner2. It is a private task, such as clean, exercise, read

[WorkTask](#)

This class WorkTask is an extension of MyTask used in the planning tool MyPlanner2. It is a work task, such as planning, research, implementation, testing

Interfaces

[IFileHandler](#)

This interface describes a FileHandler that reads and writes to a file.

[IPlanner](#)

This interface is used to help with testing.

Class FileHandler

Namespace: [MyPlanner.src](#)

Assembly: MyPlanner2.dll

```
public class FileHandler : IFileHandler
```








Inheritance

[object](#)  ← FileHandler

Implements

[IFileHandler](#)

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  ,
[object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  ,
[object.ToString\(\)](#) 

Constructors

FileHandler(string)

```
public FileHandler(string filename)
```

Parameters

filename [string](#) 

Methods

Read()

```
public string[] Read()
```

Returns

[string](#) []

Save(string[])

```
public void Save(string[] lines)
```

Parameters

lines [string](#) []

Class Helpers

Namespace: [MyPlanner.src](#)

Assembly: MyPlanner2.dll








A Helper class with useful methods for the terminal and parsing from string to int.

```
public static class Helpers
```

Inheritance

[object](#)  ← Helpers

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#) 

Methods

GetTerminalReady(string)

```
public static void GetTerminalReady(string title)
```

Parameters

title [string](#) 

ReadIntFromTerminal(string)

```
public static int ReadIntFromTerminal(string info)
```

Parameters

info [string](#) 

Returns

[int](#)

ReadStringFromTerminal(string)

```
public static string ReadStringFromTerminal(string info)
```

Parameters

info [string](#)

Returns

[string](#)

StringToInt(string)

```
public static int StringToInt(string input)
```

Parameters

input [string](#)

Returns

[int](#)

Interface IFileHandler

Namespace: [MyPlanner.src](#)

Assembly: MyPlanner2.dll

This interface describes a FileHandler that reads and writes to a file.

```
public interface IFileHandler
```

Methods

Read()

```
string[] Read()
```

Returns

[string](#) []

Save(string[])

```
void Save(string[] line)
```

Parameters

line [string](#) []

Interface IPlanner

Namespace: [MyPlanner.src](#)

Assembly: MyPlanner2.dll

This interface is used to help with testing.

```
public interface IPlanner
```

Methods

GetNoOfTasks()

```
int GetNoOfTasks()
```

Returns

[int](#)

Run()

```
void Run()
```

Class MyTask

Namespace: [MyPlanner.src](#)

Assembly: MyPlanner2.dll

This class MyTask describes a task in the planning tool MyPlanner2.

```
public class MyTask
```








Inheritance

[object](#)  ← MyTask

Derived

[PrivateTask](#), [WorkTask](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#) 

Constructors

MyTask(string, string, DateTime)

```
public MyTask(string title, string description, DateTime dueDate)
```

Parameters

title [string](#) 

description [string](#) 

dueDate [DateTime](#) 

Methods

Completed()

```
public virtual void Completed()
```

GetDescription()

```
public virtual string GetDescription()
```

Returns

[string](#)

GetDueDate()

```
public DateTime GetDueDate()
```

Returns

[DateTime](#)

GetInformation()

```
public virtual List<string> GetInformation()
```

Returns

[List](#) <[string](#) >

GetTitle()

```
public string GetTitle()
```

Returns

[string](#)

IsCompleted()

```
public bool IsCompleted()
```

Returns

[bool](#)

Update(int, int, int, string, string, string, DateTime)

```
public virtual bool Update(int prio, int estimatedTime, int timeWorked, string  
projectName, string title, string description, DateTime dueDate)
```

Parameters

prio [int](#)

estimatedTime [int](#)

timeWorked [int](#)

projectName [string](#)

title [string](#)

description [string](#)

dueDate [DateTime](#)

Returns

[bool](#)


Update(string, string, string, DateTime)

```
public virtual bool Update(string location, string title, string description,  
DateTime dueDate)
```

Parameters

location [string](#) 

title [string](#) 

description [string](#) 

dueDate [DateTime](#) 

Returns

[bool](#) 

Class MyTaskHandler

Namespace: [MyPlanner.src](#)

Assembly: MyPlanner2.dll








This class MyTaskHandler takes care of the tasks in a planning tool MyPlanner2.

```
public class MyTaskHandler
```

Inheritance

[object](#)  ← MyTaskHandler

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#) 

Constructors

MyTaskHandler()

```
public MyTaskHandler()
```

Methods

CompleteTask(string)

```
public void CompleteTask(string title)
```

Parameters

title [string](#) 

CreateTask(int, int, string, string, string, DateTime)

```
public void CreateTask(int prio, int estimatedTime, string projectName, string title, string description, DateTime dueDate)
```

Parameters

prio [int](#)

estimatedTime [int](#)

projectName [string](#)

title [string](#)

description [string](#)

dueDate [DateTime](#)

CreateTask(string, string, string, DateTime)

```
public void CreateTask(string location, string title, string description, DateTime dueDate)
```

Parameters

location [string](#)

title [string](#)

description [string](#)

dueDate [DateTime](#)

DeleteTask(string)

```
public bool DeleteTask(string title)
```

Parameters

title [string](#)

Returns

[bool](#)

GetDescription(string)

```
public string GetDescription(string title)
```

Parameters

title [string](#)

Returns

[string](#)

GetNoOfTasks()

```
public virtual int GetNoOfTasks()
```

Returns

[int](#)

GetOneTasksInfo(string)

```
public List<string> GetOneTasksInfo(string title)
```

Parameters

title [string](#)

Returns

[List](#) <[string](#)>

GetTasks()

```
public List<MyTask> GetTasks()
```

Returns

[List](#) <[MyTask](#)>

UpdateTask(int, int, int, string, string, string, DateTime, bool)

```
public bool UpdateTask(int prio, int estimatedTime, int timeWorked, string  
projectName, string title, string description, DateTime dueDate, bool completed)
```

Parameters

prio [int](#)

estimatedTime [int](#)

timeWorked [int](#)

projectName [string](#)

title [string](#)

description [string](#)

dueDate [DateTime](#)

completed [bool](#)

Returns

[bool](#)


UpdateTask(string, string, string, DateTime, bool)

```
public bool UpdateTask(string location, string title, string description, DateTime  
dueDate, bool completed)
```

Parameters

location [string](#) 

title [string](#) 

description [string](#) 

dueDate [DateTime](#) 

completed [bool](#) 

Returns

[bool](#) 

Class Planner

Namespace: [MyPlanner.src](#)

Assembly: MyPlanner2.dll








This class is the terminalprogram used for the planning tool MyPlanner2.

```
public class Planner
```

Inheritance

[object](#)  ← Planner

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#) 

Constructors

Planner()

```
public Planner()
```

Methods

GetNoOfTasks()

```
public int GetNoOfTasks()
```

Returns

[int](#) 

Run()

```
public void Run()
```

Class PrivateTask

Namespace: [MyPlanner.src](#)

Assembly: MyPlanner2.dll

This class PrivateTask is an extension of MyTask used in the planning tool MyPlanner2. It is a private task, such as clean, exercise, read

```
public class PrivateTask : MyTask
```

Inheritance

[object](#) < [MyTask](#) < PrivateTask

Inherited Members

[MyTask.Update\(string, string, string, DateTime\)](#) ,
[MyTask.Update\(int, int, int, string, string, string, DateTime\)](#) , [MyTask.GetTitle\(\)](#) ,
[MyTask.GetDueDate\(\)](#) , [MyTask.IsCompleted\(\)](#) , [MyTask.Completed\(\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

PrivateTask(string, string, string, DateTime)

The constructor creates an object of the [PrivateTask](#) class with the following parameters.

```
public PrivateTask(string location, string title, string description,  
    DateTime dueDate)
```

Parameters

location [string](#)

title [string](#)

The location where the task will take place.

description [string](#)

The description of the task.

dueDate [DateTime](#)

The date when the task should be ready. Can also contain the time.

Methods

GetDescription()

Gets all the information about the task in some sentences.

```
public override string GetDescription()
```

Returns

[string](#)

A string with all the information about the task.

GetInformation()

Gets all the attributes from the task. Used when updating tasks.

```
public override List<string> GetInformation()
```

Returns

[List](#) <[string](#)>

A list of strings containing the attributes.

GetLocation()

Gets information about where the task will take place.

```
public string GetLocation()
```

Returns

[string](#)

A string with the location.

SetLocation(string)

Sets information where the task will take place.

```
public void SetLocation(string location)
```

Parameters

location [string](#)

The new location of where the task will take place.

Class WorkTask

Namespace: [MyPlanner.src](#)

Assembly: MyPlanner2.dll

This class WorkTask is an extension of MyTask used in the planning tool MyPlanner2. It is a work task, such as planning, research, implementation, testing

```
public class WorkTask : MyTask
```

Inheritance

[object](#) < [MyTask](#) < WorkTask

Inherited Members

[MyTask.Update\(string, string, string, DateTime\)](#) ,
[MyTask.Update\(int, int, int, string, string, string, DateTime\)](#) , [MyTask.GetTitle\(\)](#) ,
[MyTask.GetDueDate\(\)](#) , [MyTask.IsCompleted\(\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

WorkTask(int, int, string, string, string, DateTime)

```
public WorkTask(int prio, int estimatedTime, string projectName, string title,  
string description, DateTime dueDate)
```

Parameters

prio [int](#)

estimatedTime [int](#)

projectName [string](#)

title [string](#)

description [string](#)

dueDate [DateTime](#)

Methods

Completed()

```
public override void Completed()
```

GetDescription()

```
public override string GetDescription()
```

Returns

[string](#)

GetInformation()

```
public override List<string> GetInformation()
```

Returns

[List](#)<[string](#)>

GetPrio()

```
public int GetPrio()
```

Returns

[int](#)

GetProgression()

```
public int GetProgression()
```

Returns

[int](#)

GetProjectName()

```
public string GetProjectName()
```

Returns

[string](#)

SetEstimatedTime(int)

```
public void SetEstimatedTime(int estimatedTime)
```

Parameters

estimatedTime [int](#)

SetPrio(int)

```
public void SetPrio(int prio)
```

Parameters

prio [int](#)

SetProjectName(string)

```
public void SetProjectName(string projectName)
```

Parameters

projectName [string](#) 

SetTimeWorked(int)

```
public void SetTimeWorked(int timeWorked)
```

Parameters

timeWorked [int](#) 