

Assessment 01

| Task 1 (36 marks) | 0 | 1 |
|---------------------------------|-------------------------|--|
| Created a Console App | No Console App provided | App provided, but does not compile - i.e. shows errors |
| Created a WPF based Application | No WPF App provided | App provided, but does not compile - i.e. shows errors |
| SOLID PRINCIPLE 1 => SRP | SRP not implemented | SRP implemented, but some methods could be broken down more |
| SOLID PRINCIPLE 2 => OCP | OCP not implemented | OCP partly implemented, but code outside of the program.cs file needs to be modified |

| | | |
|---|--|--|
| SOLID PRINCIPLE 3 => LSP | LSP not implemented | LSP implemented, but is only applied to base and sub classes |
| SOLID PRINCIPLE 4 => ISP | ISP not implemented | Interfaces are used, but everything is forced into a single interface |
| Separate GUI Code from Business Logic Code | All the code is mixed | UI elements appear in Business Logic Methods and Classes |
| Your application looks good (Console + WPF) | There has been no thought on the UI of your application in either applications | There has been some, but little thought on how good your application looks and it is only applied to one of the applications |
| Assignment Brief has been met | You have submitted nothing | Some (Less than 50%) of the criteria have been met. |

| Task 2 (72 marks) | 0 | 2 |
|---------------------------------|-------------------------|--|
| Created a Console App | No Console App provided | App provided, but does not compile - i.e. shows errors |
| Created a WPF based Application | No WPF App provided | App provided, but does not compile - i.e. shows errors |
| SOLID PRINCIPLE 1 => SRP | SRP not implemented | SRP implemented, but some methods could be broken down more |
| SOLID PRINCIPLE 2 => OCP | OCP not implemented | OCP partly implemented, but code outside of the program.cs file needs to be modified |
| SOLID PRINCIPLE 3 => LSP | LSP not implemented | LSP implemented, but is only applied to base and sub classes |

| | | |
|---|--|--|
| SOLID PRINCIPLE 4 => ISP | ISP not implemented | Interfaces are used, but everything is forced into a single interface |
| Separate GUI Code from Business Logic Code | All the code is mixed | UI elements appear in Business Logic Methods and Classes |
| Your application looks good (Console + WPF) | There has been no thought on the UI of your application in either applications | There has been some, but little thought on how good your application looks and it is only applied to one of the applications |
| Assignment Brief has been met | You have submitted nothing | Some (Less than 50%) of the criteria have been met. |

| Task 3 (36 marks) | 0 | 1 |
|-----------------------|-------------------------|--|
| Created a Console App | No Console App provided | App provided, but does not compile - i.e. shows errors |

| | | |
|---------------------------------|---------------------|--|
| Created a WPF based Application | No WPF App provided | App provided, but does not compile - i.e. shows errors |
| SOLID PRINCIPLE 1 => SRP | SRP not implemented | SRP implemented, but some methods could be broken down more |
| SOLID PRINCIPLE 2 => OCP | OCP not implemented | OCP partly implemented, but code outside of the program.cs file needs to be modified |
| SOLID PRINCIPLE 3 => LSP | LSP not implemented | LSP implemented, but is only applied to base and sub classes |
| SOLID PRINCIPLE 4 => ISP | ISP not implemented | Interfaces are used, but everything is forced into a single interface |

| | | |
|---|--|--|
| Separate GUI Code from Business Logic Code | All the code is mixed | UI elements appear in Business Logic Methods and Classes |
| Your application looks good (Console + WPF) | There has been no thought on the UI of your application in either applications | There has been some, but little thought on how good your application looks and it is only applied to one of the applications |
| Assignment Brief has been met | You have submitted nothing | Some (Less than 50%) of the criteria have been met. |

aming

| 2 | 4 |
|---|--|
| App provided, but shows warnings | App provided and runs without errors or warnings and does not crash |
| App provided, but shows warnings | App provided and runs without errors or warnings and does not crash |
| SRP implemented, but classes and methods are in the same file | SRP implemented and classes are in separate files and proper naming conventions are used |
| OCP implemented, but only the extension part was added correctly, the other code is all bundled up together | OCP implemented and it clearly shows each component as if it was extended to the program |

| | |
|---|---|
| LSP implemented and is applied to base / sub classes but only coverience or contravariance is applied | LSP implemented and is applied to base / sub class and both coverience and contravariance. |
| Interfaces are used and are broken down, but in enough detail | Interfaces are used and are broken down to enough detail. In addition some cases interfaces simply implement other interfaces |
| UI elements are separated from business logic in most cases, or could be refined better | UI elements are separated from business logic and it is clear what each class means and how it is to implemented. |
| There has been good, but little thought on how good your application looks | There has been a lot of thought on how good your application looks |
| Some (Less than 80%) of the criteria have been met. | All of the criteria have been met. |

| 4 | 8 |
|---|--|
| App provided, but shows warnings | App provided and runs without errors or warnings and does not crash |
| App provided, but shows warnings | App provided and runs without errors or warnings and does not crash |
| SRP implemented, but classes and methods are in the same file | SRP implemented and classes are in separate files and proper naming conventions are used |
| OCP implemented, but only the extension part was added correctly, the other code is all bundled up together | OCP implemented and it clearly shows each component as if it was extended to the program |
| LSP implemented and is applied to base / sub classes but only coverience or contravariance is applied | LSP implemented and is applied to base / sub class and both coverience and contravariance. |

| | |
|---|---|
| Interfaces are used and are broken down, but in enough detail | Interfaces are used and are broken down to enough detail. In addition some cases interfaces simply implement other interfaces |
| UI elements are separated from business logic in most cases, or could be refined better | UI elements are separated from business logic and it is clear what each class means and how it is to implemented. |
| There has been good, but little thought on how good your application looks | There has been a lot of thought on how good your application looks |
| Some (Less than 80%) of the criteria have been met. | All of the criteria have been met. |

| 2 | 4 |
|----------------------------------|---|
| App provided, but shows warnings | App provided and runs without errors or warnings and does not crash |

| | |
|---|---|
| App provided, but shows warnings | App provided and runs without errors or warnings and does not crash |
| SRP implemented, but classes and methods are in the same file | SRP implemented and classes are in separate files and proper naming conventions are used |
| OCP implemented, but only the extension part was added correctly, the other code is all bundled up together | OCP implemented and it clearly shows each component as if it was extended to the program |
| LSP implemented and is applied to base / sub classes but only coverience or contravariance is applied | LSP implemented and is applied to base / sub class and both coverience and contravariance. |
| Interfaces are used and are broken down, but in enough detail | Interfaces are used and are broken down to enough detail. In addition some cases interfaces simply implement other interfaces |

| | |
|---|---|
| UI elements are separated from business logic in most cases, or could be refined better | UI elements are separated from business logic and it is clear what each class means and how it is to implemented. |
| There has been good, but little thought on how good your application looks | There has been a lot of thought on how good your application looks |
| Some (Less than 80%) of the criteria have been met. | All of the criteria have been met. |