TOI-OHOMAI Institute of Technology

COMP.6215 – GUI Programming

Assessment 01

Task 1 (32 marks)	0	1	2	4
Created a Console App	No Console App provided	App provided, but does not compile - i.e. shows errors	App provided, but shows warnings	App provided and runs without errors or warnings and does not crash
Created a WPF based Application	No WPF App provided	App provided, but does not compile - i.e. shows errors	App provided, but shows warnings	App provided and runs without errors or warnings and does not crash
SOLID PRINCIPLE 1 => SRP	SRP not implemented	SRP implemented, but some methods could be broken down more	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
SOLID PRINCIPLE 2 => OCP	OCP not implemented	OCP partly implemented, but code outside of the program.cs file needs to be modified	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
SOLID PRINCIPLE 3 => LSP	LSP not implemented	LSP implemented, but is only applied to base and sub classes	LSP implemented and is applied to base / sub classes but only coverience or contravarience is applied	LSP implemented and is applied to base / sub class and both coverience and contravarience.
SOLID PRINCIPLE 4 => ISP	ISP not implemented	Interfaces are used, but everything is forced into a single interface	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

Separate GUI Code from Business Logic Code	All the code is mixed	UI elements appear in Business Logic Methods and Classes	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.
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	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

Task 2 (64 marks)	0	2	4	8
Created a Console App	No Console App provided	App provided, but does not compile - i.e. shows errors	App provided, but shows warnings	App provided and runs without errors or warnings and does not crash
Created a WPF based Application	No WPF App provided	App provided, but does not compile - i.e. shows errors	App provided, but shows warnings	App provided and runs without errors or warnings and does not crash
SOLID PRINCIPLE 1 => SRP	SRP not implemented	SRP implemented, but some methods could be broken down more	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
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Task 3 (32 marks)	0	1	2	4
Created a Console App	No Console App provided	App provided, but does not compile - i.e. shows errors	App provided, but shows warnings	App provided and runs without errors or warnings and does not crash
Created a WPF based Application	No WPF App provided	App provided, but does not compile - i.e. shows errors	App provided, but shows warnings	App provided and runs without errors or warnings and does not crash
SOLID PRINCIPLE 1 => SRP	SRP not implemented	SRP implemented, but some methods could be broken down more	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
SOLID PRINCIPLE 2 => OCP	OCP not implemented	OCP partly implemented, but code outside of the program.cs file needs to be modified	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

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Separate GUI Code from Business Logic Code	All the code is mixed	UI elements appear in Business Logic Methods and Classes	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.
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	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