

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 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 implemen ted	LSP implemented, but is only applied to base and sub classes	·	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	All the code is	UI elements	UI elements are	UI elements are
Business Logic Code	mixed	appear in	separated from	separated from
		Business Logic	business logic in	business logic and
		Methods and	most cases, or	it is clear what
		Classes	could be refined	each class means
			better	and how it is to
				implemented.
Your application looks good	There has been no	There has been	There has been	There has been a
(Console + WPF)	thought on the UI	some, but little	good, but little	lot of thought on
	of your	thought on how	thought on how	how good your
	application in	good your	good your	application looks
	either	application looks	application looks	
	applications	and it is only		
		applied to one of		
		the applications		

Task 2 (64 marks)	0	2	4	8
Created a Console App	No Console App	App provided, but	App provided, but	App provided and
	provided	does not compile -	shows warnings	runs without
		i.e. shows errors		errors or
				warnings and
				does not crash
Created a WPF based	No WPF App	App provided, but	App provided, but	App provided and
Application	provided	does not compile -	shows warnings	runs without
		i.e. shows errors		errors or
				warnings and
				does not crash
SOLID PRINCIPLE 1 => SRP	SRP not	SRP implemented,	SRP implemented,	SRP implemented
	implemented	but some methods	but classes and	and classes are in
		could be broken	methods are in	separate files and
		down more	the same file	proper naming
				conventions are
				used
SOLID PRINCIPLE 2 => OCP	OCP not	OCP partly	ОСР	OCP implemented
	implemented	implemented, but	implemented, but	and it clearly
		code outside of	only the extension	shows each
		the program.cs	part was added	component as if it
		file needs to be	correctly, the	was extended to
		modified	other code is all	the program
			bundled up	
			together	
SOLID PRINCIPLE 3 => LSP	LSP not implemen	LSP implemented,	LSP implemented	LSP implemented
	ted	but is only applied	and is applied to	and is applied to
		to base and sub	base / sub classes	base / sub class
		classes	but only	and both
			coverience or	coverience and
			contravarience is	contravarience.
			applied	

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 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 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 and runs without errors or warnings and does not crash
SOLID PRINCIPLE 1 => SRP	SRP not implemented	but some methods could be broken	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	•

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SOLID PRINCIPLE 3 => LSP	ted	LSP implemented, but is only applied to base and sub classes	•	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