

ASSIGNMENT FEEDBACK FORM

Student Name/ID/Section	Obada Mohammad Khaled Alhalaybeh - 23110107 - 1		
HTU Course Title and No.	40201200 - Advanced Programming		
BTEC Unit Code and Title	T/618/4902 - Applied Programming and Design Principles		
Assignment Number	1	Assessor Name	Sultan Alrushdan
Submission Date	Jun 11, 2025	Date Received 1st submission	Jun 11, 2025
Re-submission Date		Date Received 2nd submission	

Ongoing formative feedback from assessor:

- **Attendance:** Excellent
- **Lab / In-class Activity:** Very Good
- **One-to-one Formative Discussion:** Good
- **Homework Submissions:** Good

Assessor feedback for summative assessment:

General Feedback

The student attended an In class exam, submitted the assignment and attended an Oral session.
the notes on student performance:
in exam the student could not provide a solution for SOLID violation.
in assignment the student only discuss unit testing in task 8.c, he should also discuss Integration and system testing.

Strength of Performance

The student was able to:

- Investigate the characteristics of the object orientated paradigm, including class relationships and SOLID principles.
- Explain how clean coding techniques can impact on the use of data structures and operations when writing algorithms.
- Design a large data set processing application, utilising SOLID principles, clean coding techniques and a design pattern.
- Design a suitable testing regime for the application, including provision for automated testing.
- Build a large dataset processing application based on the design produced.
- Examine the different methods of implementing automatic testing as designed in the test plan.
- Implement automatic testing of the developed application.
- Analyse, with examples, each of the creational, structural and behavioural design pattern types.
- Refine the design to include multiple design patterns.
- Assess the effectiveness of using SOLID principles, clean coding techniques and programming patterns on the application developed.
- Discuss the differences between developer produced and vendor provided automatic testing tools for applications and software systems.

Limitation of Performance

The student was unable to:

- Evaluate the impact of SOLID development principles on object orientated application development.
- Analyse the benefits and drawbacks of different forms of automatic testing of applications and software systems, with examples from the developed application.

The student lost the following criteria:

[D1]: in exam the student fail to identify SOLID violations and could not provide a valid solution using UML.

[D2]: in assignment the student only discuss unit testing in task 8.c.

Grade: M	Assessor Signature: <i>Sultan Abrashdan</i>	Date: Jun 15, 2025
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Resubmission Feedback (if required):

Grade:	Assessor Signature:	Date:
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Criteria (To be filled before resubmission)

P1 <input checked="" type="checkbox"/>	P2 <input checked="" type="checkbox"/>	P3 <input checked="" type="checkbox"/>	P4 <input checked="" type="checkbox"/>	P5 <input checked="" type="checkbox"/>	P6 <input checked="" type="checkbox"/>	P7 <input checked="" type="checkbox"/>	<u>Final Grade</u>
M1 <input checked="" type="checkbox"/>	M2 <input checked="" type="checkbox"/>	M3 <input checked="" type="checkbox"/>	M4 <input checked="" type="checkbox"/>	D1 <input type="checkbox"/>	D2 <input type="checkbox"/>		<u>M</u>

Student Declaration:

I certify that the formative and summative assessments for this assignment have been fully explained and understood by me, I also do understand that the grade above is simply a recommendation that could later be changed during any of the verification processes.

Student Name:

Student Signature:

Date: