



Assessment 3 Information

Subject Code:	TECH6200		
Subject Name:	Advanced Programming		
Assessment Title:	Hackathon		
Assessment Type:	Group Project		
Assessment Length:	2000	Words	(+/-10%)
Weighting:	30 %		
Total Marks:	30		
Submission:	Hackathon in class during Week 12. Documentation and Presentation via MyKBS in Week 13		
Due Date:	Week 12 and 13		

Your Task

This is a group assessment which involves an in class hackathon where you as a team develop a code and write documentation, and individually record a presentation.



Assessment Description

This assessment focuses on an in-class software development hackathon. A hackathon is a time-constrained, high-intensity event that demands collaborative teamwork among peers. Below is a scenario describing a hackathon that simulates the real hackathon you will be participating in.

- Imagine that you are participating in a software development hackathon organised by Kaplan Business School.
- In this fictional scenario, you and your team are given with a task of developing a new data analytic or machine learning application that addresses a critical real-world challenge: e.g., reducing food waste, predicting a stock price, face detection application.
- Your hypothetical task is to create a software that allows users to accomplish their tasks.
- Your next tasks are to write a documentation and deliver a presentation for the software you have developed.

While this scenario is not a real hackathon, it will serve as the basis for your assessment, allowing you to apply your software development and explanation skills related to data analytics and machine learning applications. You will be evaluated individually on your ability to design, develop, and present your innovative solution within a limited time frame.

Rules to Follow on Hackathon Day

Participation and team formation

1. Every student enrolled in the subject must be a member of precisely one team.
2. The facilitator is responsible for officially constituting the team. Students cannot influence this formation process.

Selection of the project

1. On the day of the hackathon, the facilitator will provide each team with a project title along with a brief description.

Dos and don'ts before the hackathon week?

Dos

1. You are allowed to have regular in class discussions to collaboratively plan and design a project within a closely related domain.
2. As a team, it's recommended to explore the development of a comprehensive software system using Python.
3. Review relevant course material and any prerequisites for the hackathon, ensuring you have a good grasp of the concepts and skills needed.
4. Familiarise yourself with the tools, software, or Python language that will be used during the hackathon.
5. Plan how you will allocate your time during the hackathon, making sure to balance coding, testing, and documentation.

Don'ts

1. Strictly, you should not begin working on the project, writing code, or designing solutions before the hackathon officially starts. The goal is to create within the defined time frame.
2. Avoid seeking external help from sources not permitted during the event, as hackathons typically



rely on the knowledge and skills of the participants.

Timeframes

1. Introduction by the facilitator – 15 minutes

Begins with a brief introduction, explanation of the rules, and any questions you may have.

2. Hackathon Kick-off – 15 minutes

The hackathon officially begins. You'll receive your project assignment and can start coding!

3. Coding Session – 150 minutes

This is the core of the hackathon. Work with your team to develop your Python project.

4. Documentation and Presentations – **within 1 week**

You will document and present your projects.



Assessment Instructions

The instructions for this hackathon assessment are as follows.

1. During the hackathon, work diligently as a group to implement the required code to complete the software project.
2. One student from each group should submit your code by the conclusion of the hackathon event.
3. Submit a comprehensive code documentation within one week from the date of hackathon. See the [Appendix A – Formatting Guidelines](#) and [Appendix B – Document Template](#) for the documentation guidelines.
4. Each student should explicitly state their individual contributions to both code development and documentation, which must be included as part of the code documentation submission.
5. Submit a recorded 10-minutes presentation explaining your code's features and functionalities within one week from the date of hackathon.



Important Study Information

Academic Integrity and Conduct Policy

<https://www.kbs.edu.au/admissions/forms-and-policies>

KBS values academic integrity. All students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Academic Integrity and Conduct Policy.

Please read the policy to learn the answers to these questions:

- What is academic integrity and misconduct?
- What are the penalties for academic misconduct?
- How can I appeal my grade?

Late submission of assignments (within the Assessment Policy)

<https://www.kbs.edu.au/admissions/forms-and-policies>

Number of days late	Penalty
1* - 9 days	5% per day for each calendar day late deducted from the total marks available.
10 - 14 days	50% deducted from the total marks available.
After 14 days	Assignments submitted more than 14 calendar days after the due date will not be accepted and the student will receive a mark of zero for the assignment(s) unless special consideration, reasonable adjustment or an alternative factor related to compassionate circumstances is approved and applied.

**Assignments submitted at any stage within the first 24 hours after the deadline will be considered to be one day late and therefore subject to the associated penalty.*

Length Limits for Assessments

Penalties may be applied for assessment submissions that exceed prescribed limits.

Study Assistance

Students may seek study assistance from their local Academic Learning Advisor or refer to the resources on the [MyKBS Academic Success Centre](#) page. Further details can be accessed at <https://elearning.kbs.edu.au/course/view.php?id=1481>

Submission Requirements

All assessments including draft copies must be written and submitted in English. The use of translation tools is not permitted.



Generative AI Traffic Lights

Please see the level of Generative AI that this assessment is Level 2 has been designed to accept:

Traffic Light	Amount of Generative Artificial Intelligence (GenerativeAI) usage	Evidence Required	This assessment (✓)
Level 1	<p><u>Prohibited:</u></p> <p>No GenerativeAI allowed</p> <p>This assessment showcases your individual knowledge, skills and/or personal experiences in the absence of Generative AI support.</p>	<p>The use of generative AI is prohibited for this assessment and may potentially result in penalties for academic misconduct, including but not limited to a mark of zero for the assessment.</p>	
Level 2	<p><u>Optional:</u></p> <p>You may use GenerativeAI for research and content generation that is appropriately referenced.</p> <p>See assessment instructions for details</p> <p>This assessment allows you to engage with Generative AI as a means of expanding your understanding, creativity, and idea generation in the research phase of your assessment and to produce content that enhances your assessment. I.e., images. You do not have to use it.</p>	<p>The use of GenAI is optional for this assessment.</p> <p>Your collaboration with GenerativeAI must be clearly referenced just as you would reference any other resource type used. Click on the link below to learn how to reference GenerativeAI.</p> <p><u>https://library.kaplan.edu.au/referencing-other-sources/referencing-other-sources-generative-ai</u></p> <p>In addition, you must include an appendix that documents your GenerativeAI collaboration including all prompts and responses used for the assessment.</p> <p>Unapproved use of generative AI as per assessment details during the content generation parts of your assessment may potentially result in penalties for academic misconduct, including but not limited to a mark of zero for the assessment. Ensure you follow the specific assessment instructions in the section above.</p>	✓
Level 3	<p><u>Compulsory:</u></p> <p>You must use GenerativeAI to complete your assessment</p> <p>See assessment instruction for details</p> <p>This assessment fully integrates Generative AI, allowing you to harness the technology's full potential in collaboration with your own expertise.</p> <p>Always check your assessment instructions carefully as there may still be limitations on what constitutes acceptable use, and these may be specific to each assessment.</p>	<p>You will be taught how to use generative AI and assessed on its use.</p> <p>Your collaboration with GenerativeAI must be clearly referenced just as you would reference any other resource type used. Click on the link below to learn how to reference GenerativeAI.</p> <p><u>https://library.kaplan.edu.au/referencing-other-sources/referencing-other-sources-generative-ai</u></p> <p>In addition, you must include an appendix that documents your GenerativeAI collaboration including all prompts and responses used for the assessment.</p> <p>Unapproved use of generative AI as per assessment details during the content generation parts of your assessment may potentially result in penalties for academic misconduct, including but not limited to a mark of zero for the assessment. Ensure you follow the specific assessment instructions in the section above.</p>	



Assessment Marking Guide

Marking Criteria (__ out of 30)	Fail 0 – 49%	Pass 50 – 64%	Credit 65 – 74%	Distinction 75 – 84%	High Distinction 85 – 100%
Functionality and User Experience (7 marks)	Lacks essential functionality, with some critical features missing, resulting in an inefficient user experience.	Includes limited essential functionality and there are minor issues that affect the user experience.	Demonstrates good functionality, and while the user experience is generally acceptable, some minor usability issues exist.	Offers comprehensive functionality, excelling in its user-centric features and capabilities, providing a good user experience.	Delivers exceptional functionality, featuring innovative and advanced, yet highly intuitive user experiences.
Code Quality and Efficiency (7 marks)	Lacks structure, readability, and contains numerous errors and significant performance bottlenecks exist.	Demonstrates some structural organization and readability but contains several coding issues and inefficiencies that require attention.	Reasonably structured and maintains good readability, with only minor coding issues and inefficiencies.	Well-organized, highly readable, and contains minimal coding issues. It demonstrates good efficiency and performance.	Excels in structure, readability, and optimization, setting a high standard for code quality and performance.
Innovation and Creativity (4 marks)	Lacks innovation and creativity, offering no unique or novel features.	Demonstrates limited innovation and creativity, with only minor attempts at introducing new elements.	Shows moderate levels of innovation and creativity, introducing some unique features or approaches.	Exhibits substantial innovation and creativity, introducing novel and compelling features.	Exhibits substantial innovation and creativity, introducing novel and compelling features.
Documentation and Clarity (7 marks)	Lacks proper documentation and clarity, making it difficult for users and developers to understand.	Provides minimal documentation and limited clarity, leaving users and developers with some unanswered questions.	Offers adequate documentation and clarity, allowing users and developers to navigate and comprehend.	Excels in documentation and clarity, providing comprehensive, well-organized materials.	Sets a new standard for documentation and clarity, offering exceptionally detailed and user-friendly resources.
Communication and Presentation Skills (5 marks)	Lacks effective communication and presentation skills.	Demonstrates limited communication and presentation skills, with some elements that require refinement.	Showcases adequate communication and presentation skills, ensuring a clear and mostly engaging delivery.	Excels in communication and presentation skills, effectively engaging the audience through clear articulation.	Sets a high standard for communication and presentation skills, captivating and educating the audience with exceptional clarity.