COURSE NAME	:	**OBJECT ORIENTED PROGRAMMING**
COURSE CODE	:	**CSC2744**
ACADEMIC SESSION	:	**SESSION 2 2024/2025**
TYPE OF ASSESSMENT	:	**FINAL ASSIGNMENT**
DURATION	:	**10/10/2024 - 30/10/2024**

CLO 3: Employ third party data in object oriented application development using graphical user interface (GUI) application framework

INSTRUCTION TO CANDIDATES:

1. Late submissions after the given due date will not be accepted.
2. Report should be written using:
   Font type: Arial
   Size: 12 pts
   Line Spacing: 1.5
3. Coding format:
   Font type: Consolas
   Size: 10 pts
   Line Spacing: Single

Personal Details	
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Class	DCS 4D
Lecturer	MADAM NINI ANIZA BINTI ZAKARIA

Section / Question No.	Marks
1	
2	
3	
4	
5	
6	
Total	**/ 50**

Assessment Rubric

ATTRIBUTES	CRITERIA	POOR (1 mark)	FAIR (2 marks)	GOOD (3 marks)	VERY GOOD (4 marks)	EXCELLENT (5 marks)	Mark Obtained
Reproduce and Process Information	1. Create desktop application using electron framework with the integration of the given API. Your application needs to output the information required above.	• The application is an extensive collection and rehash of other people's ideas, products, and images. There is no evidence of new thought.	• The application is somewhat a collection and rehash of other people's ideas, products, and images. There is little evidence of new thought or inventiveness.	• The application is a minimal collection or rehash of other people's ideas, products, and images. There is a few evidence of new thought or inventiveness.	• The application shows a lot of evidence of originality and inventiveness.	• The application shows significant evidence of originality and inventiveness. • Most of the content and many of the ideas are fresh, original, and inventive.	
		• Unable to display all the required data from the API and does not fulfill the requirements.	• Able to display all the required data from the API that meet with the requirements.	• Able to display extra data from the API beyond the application requirements.	• Able to display extra data from the API beyond the application requirements with the description in the report		
		• The data from the API does not reflect the whole purpose of the application developed.	• The data from the API is sufficient but does not reflect the whole purpose of the application developed.	• The data from the API is meaningful but does not reflect the purpose of the application developed.	• Able to utilize the data fetched from the API to come up with meaningful functionalities that reflect the purpose of the application developed.	• Able to utilize the data fetched from the API to come up with meaningful functionalities that reflect the purpose of the application developed. • Come up with extra idea for the application developed that enhances the user experience or adds value to the application.	
	2. Implement CRUD (create, read, update, delete) process to the application to make your application more meaningful.	• Able to create only 2 of the CRUD processes. • No feedback for the CRUD process. • The design for data input is poor	• Able to create only 3 of the CRUD processes. • No feedback for the CRUD process. • The design for data input is good with some room for improvement	• Able to perform all the CRUD processes. • No feedback for the CRUD process. • Well-designed data input for CRUD process.	• Able to perform all the CRUD processes. • No feedback for the CRUD process. • Well-designed data input for CRUD process.	• Able to perform all the CRUD processes. • Appropriate feedback for the CRUD process. • Well-designed and user-friendly data input for CRUD process.	
	3. Apply HTML and CSS for user interface and provide evidence for application.	• **Text** - All text used is too small to view or the font type is wrongly chosen. • **Graphics** - Graphics seem randomly chosen, are of low quality, OR distract the reader.	• **Text** – Some of the text used is too small to view or the font type is wrongly chosen. • **Graphics** - Graphics seem randomly chosen, are of low quality, OR distract the reader.	• **Text** - Most text used is clear but does not describe the content well. • **Graphics** - Graphics are related to the theme/purpose of the application and are of excellent quality.	• **Text** - All text used is clear but does not describe the content well. • **Graphics** - Graphics are related to the theme/purpose of the application, are of excellent quality and enhance reader interest or understanding	• **Text** - All text used is clear and able to describe the content well. • **Graphics** - Graphics are related to the theme/purpose of the application, are thoughtfully cropped, are of high quality and enhance reader interest or understanding.	

Category	Criteria	Level 1	Level 2	Level 3	Level 4	Level 5	Mark
Curate	4. GUI Elements: i. Apply GUI elements that assist users in using application.	• Not able to curate for required content. • **Layout** - The HTML elements in the application are cluttered looking or confusing. • **Navigation** Links do not take the reader to the sites/ pages described. User typically feels lost.	• Limited curation for required content. • **Layout** - The HTML elements in the application is messy, may appear busy or boring. • **Navigation** Links seem to be missing and don't allow the user to easily navigate.	• Satisfactory curation for required content. • **Layout** -The HTML elements are suitable. • **Navigation** Links allow the reader to move from page to page, but some links seem to be missing.	• Good curation for required content. • **Layout** - The HTML elements are suitable and usable. • **Navigation** Links are labelled and allow the user to easily move from page to page.	• Excellent curation for required content. • **Layout** - The HTML elements are well structured, attractive, and usable layout. • **Navigation** Links are clearly labelled, consistently placed, and allow the user to easily move from page to page.	
	ii. The application's 'look and feel' is attractive and informative.	• The application needs polish in its visual design and is not appropriate for the target audience. • **Color** Choice of colors and combinations are not suitable.	• The application needs polish in its visual design, but it is still appropriate for the target audience. • **Color** Choice of colors and combinations do not match the concept of the application.	• The application mostly follows good visual design principles (e.g.: alignment, contrast, easily read text) and is appropriate for the target audience. • **Color** Choice of colors and combinations match the concept of the application.	• The application demonstrates good visual design principles (e.g.: alignment, contrast, easily read text) and is appropriate for the target audience. • **Color** Appropriate colors used to produce an atmosphere that expresses the concept of the application.	• The application clearly demonstrates good visual design principles (e.g.: alignment, contrast, easily read text) and is appropriate for the target audience. • **Color** Appropriate colors used to produce an atmosphere that expresses the concept of the application.	
Convey	5. Produce a report on your application. Include the following: i. Overview of the application and its purpose. Include explanation of the information retrieved from the given API and CRUD process.	• The overview of the application and is vague	• The overview of the application and is very brief.	• The overview of the application and its purposes is clearly described.	• Include explanation of the information retrieved from the API and CRUD process with its purposes.		
	ii. Description of the functionalities and features of the developed application with print screen of the pages and explanation.	• The description of the functionalities and features is poor and unorganized. • Incomplete print screen of the application.	• The description of the functionalities and features is very brief. • Incomplete print screen of the application.	• The description of the functionalities and features is complete. • Complete screenshot of the pages.	• The description of the functionalities and features is complete with extensive information. • Complete screenshot of the pages.	• The description of the functionalities and features is complete with extensive information. • Complete screenshot of the pages and the labelling of the features in the application.	
	iii. Program codes of your system	• HTML, CSS, and JavaScript codes attached are not complete. • The codes are hardly read.	• HTML, CSS, and JavaScript codes attached are complete. • The codes are hardly read.	• HTML, CSS, and JavaScript codes attached are complete. • The codes are readable but not organized.	• HTML, CSS, and JavaScript codes attached are complete. • The codes are readable and organize.	• HTML, CSS, and JavaScript codes attached are complete and include comments for the important parts of the codes. • The codes are readable and organized.	
	6. Submit files in GitHub and include the link in the report.	• Does not submit complete electron files in GitHub	• Completely submit all the electron file in GitHub and include the link in the report.				
Total Marks Earned							**/50**
Total Percentage (40%)							**/40%**