	SUBJECT: FORMAL METHOD		**CODE:** BCS2213	**MARK:**
Universiti Malaysia PAHANG	**TOPIC:** Z Notation			
	ASSESSMENT: ASSIGNMENT	**NO: 01**	**TIME: 12** HOURS	

ID NO: _____   **SECTION:** _____

Instruction:

- This assignment is individual.

- A report must be sent along with a Z specification and detailed explanation of each schema.

- This assignment must be submitted before 12.00 PM on 25 May 2024 (Sunday).

- If there are elements of plagiarism, 0 marks will be given.

Questions

Each student of the Computer Faculty has a curriculum structure according to their respective departments. In general, the purpose of the curriculum structure is to visualize the registration of subjects in each semester. Based on the visualization, students need to register their respective subjects using the Open registration system.

In the curriculum structure, several subject groups such as faculty core subjects, departmental required subjects, university required subjects and elective subjects have been specified based on their respective codes. However, students have the right to determine the number of credits and what subjects are required during registration for each semester

Based on the curriculum structure and open registration system, you are required to develop a Z specification model using the Z notation tool. The specification should support these requirements:

1. The system able to login and logout by the student and academic advisor.
2. The system allows student to register (insert) and withdraw or drop (delete) the subject.
3. The system allows student to update their registration such as change the section or etc.
4. The system should provide and alert notification to the academic advisor for approve/disapprove
5. This system does not allow students to register for subjects exceeding 20 credits per semester.
6. This system allows academic advising to approve or disapprove subjects registered/withdrawn by students.
7. The system able to display/print all information of registered subject by student and academic advisor.

Good Luck and Have a Nice Day.