Assignment 1: Apply, Evaluate and Create Level

Software Engineering with project Management

YEAR / SEM: TE/VI **Due Date: 25/02/2019**

BRANCH: IT **MARKS: 50**

Q. N.	Question Details	Marks	Module	Level	CO
Q 1.(a)	Explain aggregation and composition in class diagrams?	**[10]**	M3	E	CO613
Q 1.(b)	Explain how both waterfall model and prototyping model can be accommodated in the spiral process model.	**[10]**	M1	U	CO611
Q 1.(c)	Explain reuse-oriented software engineering.	**[10]**	M2	R	CO612
Q 1.(d)	Draw a UML Use Case diagram for following scenario Use Case – Buy a Product 1. Customer browses catalog & selects items to buy 2. Customer goes to check out 3. Customer fills in shipping information (address, next-day or 3-day delivery) 4. System presents full pricing information 5. Customer fills in credit card information 6. System authorizes purchase 7. System confirms sale immediately 8. System sends confirming email to customer	**[10]**	M3	C	CO613
Q 1.(e)	Consider the following simplified description of a university where professors teach seminars in which students can enroll. A professors has a name, address, phone number, email address, and salary. A student has also a name, etc., but no salary (sorry). A student, however, has an average mark (of the final marks of his or her seminars). A seminar has a name and a number. When a student is enrolled in a seminar, the marks for this enrollment are recorded and the current average as well as the final mark (if there is one) can be obtained from the enrollment. From a student one can obtain a list of seminars he or she is enrolled in. Professors teach seminars. Each seminar has at least one and at most three teachers. There are two types of seminar: bachelor and master. From a bachelor seminar students can not withdraw. From a master seminar they can. Draw a class diagram for this university. Add attributes and methods when necessary. You do not have to include getters and setters for attributes. Visibility modifiers (public, private, etc.) are not required.	**[10]**	M3	C	CO613

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