Software Design Lab- Experiment 1

Total points   6/6

Introduction to UML

Section score   6/6

✓ **Which of the following UML diagrams has a static view?** *   1/1

- ○ Collabration
- ◉ Use case   ✓
- ○ State Chart
- ○ Activity

✓ **What type of core-relationship is represented by the symbol in the figure below?** *   1/1

- ◉ Aggregation   ✓
- ○ Dependency
- ○ Generalization
- ○ Association

✓ Activity diagram, use case diagram, collaboration diagram and sequence diagram are considered as types of * 1/1

- ○ non-behavioral diagrams
- ○ non structural diagrams
- ○ structural diagrams
- ◉ behavioral diagrams ✓

✓ The object is represented in UML notation by * 1/1

- ○ A comment or a explanatory note associated with a class
- ○ A rectangular box with the name of the object
- ◉ A rectangular box with the instantiated object, separated from the class name by a ":", and underlined, to show an instantiation ✓
- ○ A thin vertical line with key method calls shown by outward arrow

✓ The interface is represented in UML notation by * 1/1

- ◉ Circle with the name below the circle ✓
- ○ Dotted eclipse with the name inside the eclipse
- ○ Rectangular box with the name of interface inside it
- ○ Dotted circle with the name inside it

✓ Which is true about UML stereotypes? * 1/1

- ◉ A stereotype is used for extending the UML language. ✓
- ○ A stereotyped class must be abstract.
- ○ The stereotype {frozen} indicates that the UML element cannot be changed.
- ○ UML Profiles can be stereotyped for backward compatibility.