1.

(1) Yes

(2) No, is-a relationship代表著inheritance

(3) No,應該是has-a relationship

(4) Yes,若要accessible必須透過non-private member functions

(5) Yes

2.

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| --- |
| Student |

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| --- |
| UndergraduateStudent |

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| --- |
| GraduateStudent |

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| --- |
| Freshman |

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| --- |
| Sophomore |

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| --- |
| DoctoralStudent |

|  |
| --- |
| MasterStudent |

|  |
| --- |
| Senior |

|  |
| --- |
| Junior |

Freshman、Sophomore、Junior、Senior全都算是UndergraduateStudent，但彼此之間卻完全毫無關聯；DoctoralStudent、MasterStudent則是GraduateStudent，彼此之間也無關聯；UndergraduateStudent和GraduateStudent則是Student。