Inheritance

CS 165 – Object Oriented Software Development

Macbeth – Lesson 8.1

Agenda

- Opening Prayer
- Scripture
- Inheritance
- MoonLander Q&A
- Looking Forward

Scripture

2 Nephi 25:4

"[T]he words of Isaiah are not plain unto you, nevertheless they are plain unto all those that are filled with the spirit of prophecy. But I give unto you a prophecy, according to the spirit which is in me; wherefore I shall prophesy according to the plainness which hath been with me from the time that I came out from Jerusalem with my father; for behold, my soul delighteth in plainness unto my people, that they may learn."

Inheritance

Definition

When a class inherits from another class (called a base class), it will inherit all the data and functions from the base class. Access to data and functions are still limited by the public, private, and protected (new one) keywords.

MoonLander Q&A

Looking Forward

- Read the textbook chapters shown in I-Learn
- Work on checkpoints
- Team Activity on Wednesday will practice inheritance (is-a) and comparing it with aggregation (has-a).
- IMPORTANT: Read the project description for Skeet. Be prepared to share your UML diagram with the class on Friday.