

# CSI 31 LECTURE NOTES (Ojakian)

## Topic 12: Inheritance

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### OUTLINE

(References: ch. 9.1, 9.2, 9.3)

#### 1. Inheritance

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##### 1. Basics

- (a) Creating Child Class  
Example: Person and Student
- (b) Augmenting Methods  
Example: GPA, etc.
- (c) Specializing Methods  
Example: Social Security Number
- (d)

**PROBLEM 1.** *Do Practice 9.2 (p. 327).*

**\*PROBLEM\* 2.** *Do Practice 9.1 (p. 327).*

##### 2. Example: SortedSet

- (a) Using Inheritance (section 9.2)
- (b) And not ... (section 9.3)
- (c) is-a relationship versus has-a relationship