

Overview of Week 3

#	DATE	LECTURES	IPAD NOTES	STUDY MATERIALS
3	WED, Sep 23 to TUE, Sep 29	<ul style="list-style-type: none">▶ Playlist for Week 3 (≈ 2 hours)• Lecture 2 - Part 0: Introduction and Overview of Week 2• Lecture 3a: Writing & Using a Generic Class• Lecture 3b - Part 1: Specifying a Stack, Information Hiding (IH), Single Choice Principle (SCP)• Lecture 3b - Part 2: Using MATHMODELS to Create an Abstraction Function for Writing Contracts• Lecture 3b - Part 3: Checking MATHMODELS Contracts at Runtime, IH and SCP Revisited	<ul style="list-style-type: none">INTROPREPOST	<ul style="list-style-type: none">• Slides<ul style="list-style-type: none">▪ Lecture 3a: Writing & Using a Generic Class▪ Lecture 3a: Writing & Using a Generic Class [4-up]▪ Lecture 3b: Abstractions via Mathematical Models▪ Lecture 3b: Abstractions via Mathematical Models [4-up]• Questions?<ul style="list-style-type: none">▪ Post Your Questions in this Document.• Source Code<ul style="list-style-type: none">▪ Specifying a FIFO stack using the MATHMODELS library

Learning Objectives of Week 3

- Writing & Using a Generic Class
- Specifying & Implementing a LIFO Stack → multiple temp.
- Design Principle: Information Hiding
- Design Principle: Single Choice
- MATHMODELS - Abstraction Function
- Checking MATHMODELS Contracts at Runtime

Milestones of Week 3

- Complete Lab1
- Complete Quiz2 (based on lecture series W2)
- Start Lecture Series W3

Looking Forward to Week 4

- Lab2