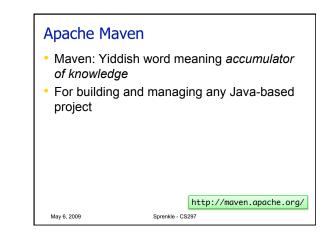
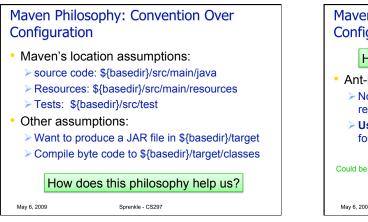
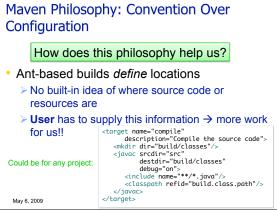




See similarities to Ant?	
Rules/ Targets	# Example Makefile CC-g++ CFLAGSg -Wall -DDEBUG OBJECTS-customer.o simulator.o queue.o
	<pre>simulator: \$(OBJECTS) - o simulator \$(OBJECTS) simulator.c simulator.c \$(CC) \$(CFLAGS) -c simulator.c</pre>
	<pre>customer.c: customer.c \$(CC) \$(CFLAGS) _c customer.c</pre>
	clean: rm \$(OBJECTS) simulator
Running	<pre>\$ make < By default looks for \$ make clean \$ make -f other_makefile</pre>
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Maven Philosophy: Convention Over Configuration

- Beyond location conventions...
- Core plugins apply a common set of conventions for compiling source code, packaging distributions, generating web sites, and many other processes
 - > Example: similar to Ant compile target
- · Little effort:

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- Put source in the correct directory
- > Maven handles the rest

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Consequences of Convention Over Configuration

- Users may feel forced to use a particular methodology or approach
- Most defaults can be customized
- Can create custom plugins for your requirements

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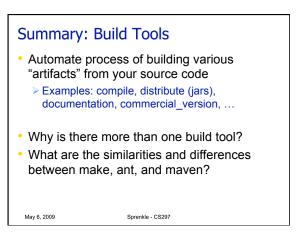
Maven Build Lifecycle

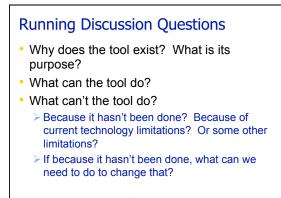
- Defined by a list of build phases
- Example build phases
 - \succ compile compile the source code of the project
 - test test the compiled source code using a suitable unit testing framework
 - package take the compiled code and package it in its distributable format, such as a JAR
- When execute a phase, executes life cycle's previous phases first, in order
 - E.g., calling package would execute compile and then test

Maven Build Lifecycle

- 3 built-in build lifecycles
 - > default lifecycle handles project deployment
- > clean lifecycle handles project cleaning
- site lifecycle handles the creation of project's site documentation







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