

xtUML Modeling Class @ Shinshu University

Training students in Japan





xtUML - Modeling, Execution and Translation

xtUML Modeling, Execution and Translation

Solan and One Fact

xtUML Modeling, Execution and Translation

Shinshu University

2-12 October 2018

Course description

xtUML Modeling, Execution and Translation is a 2-week intensive coverage of executable and translatable real-time systems modeling. Students learn to model real-world applications using a standard modeling syntax and methodology. The course progresses from abstracting systems as models, editing models in BridgePoint, running simulations and translating models onto real-time embedded targets. The course is hands-on with laboratory activities each day.

Teaching Goals



- Introduce the Method
 - Modeling: use pen and paper before the tool
 - Execution
 - Translation
- Hands-on learning with LEGO robots
- Teach students to use issue tracker
- All models and source in configuration management (github)
- Publicly-accessible, reusable teaching materials

Lecturing and Teaching Materials



- On site teaching
- Contained mixture of new and existing lesson plans, activities, and printouts

Managing the Class Online



Welcome to xtUML Class Home x +

https://xtuml.github.io/xtuml-class/homework/

xtuml.github.io

Welcome to xtUML Class Homework!

Homework Assignments

- [Homework 1.0 - Introductions](#) due 19 Sep 2018
- [Homework 1.1 - Support Accounts](#) due 21 Sep 2018
- [Homework 1.2 - BridgePoint](#) due 24 Sep 2018
- [Homework 1.3 - github setup](#) due 26 Sep 2018
- [Homework 1.4 - Build the Robot](#) due 28 Sep 2018
- [Homework 1.5 - Remote Desktop](#) due 1 Oct 2018
- [Build the Balancer Robot \(extra credit\)](#) due 1 Oct 2018
- [Set up EV3RT Dev Environment](#) due 2 Oct 2018

BridgePoint

Overview Activity Roadmap **Issues** New Issue Gantt Calendar News Documents Wiki Files Repository

Bug #10467

Edit Log time Watch



Bug #10466: Homework to prepare for xtUML class
Shinshu class test issue

Added by 17w2102h 18 days ago. Updated 3 days ago.

Status:	In Progress	Start date:	09/19/2018
Priority:	Normal (2)	Due date:	
Assignee:	17w2102h	% Done:	<div style="width: 0%;"></div> 0%
Target version:	-	Milestone:	
Top Ten:		xtUML Component(s):	Training Material and Courses
Reviewer:		One Fact Projects:	
Affected Versions:			

Description

Class preparation test issue

- [screenshot.jpg](#) (255 KB) 17w2102h, 09/23/2018 03:29 AM
- [HW1.3_screenshot_2.jpg](#) (344 KB) 17w2102h, 09/23/2018 04:17 AM
- [HW1.3_screenshot_4.jpg](#) (197 KB) 17w2102h, 09/23/2018 04:17 AM
- [HW1.3_screenshot_4.jpg](#) (271 KB) 17w2102h, 09/23/2018 07:49 AM
- [IMG_3083.jpg](#) (472 KB) 17w2102h, 09/26/2018 03:00 AM
- [HW1.5_screenshot.jpg](#) (254 KB) 17w2102h, 09/26/2018 10:07 PM
- [app](#) (140 KB) 17w2102h, 10/02/2018 08:06 AM
- [Build a Sumo Model - Assingment1.jpg](#) (333 KB) 17w2102h, 10/03/2018 05:03 AM
- [Build a Sumo Model - Assingment2.jpg](#) (287 KB) 17w2102h, 10/03/2018 05:38 AM
- [Build a Sumo Model - Assingment3.jpg](#) (327 KB) 17w2102h, 10/03/2018 06:22 AM
- [Build a Sumo Model - Assingment3.jpg](#) (324 KB) 17w2102h, 10/03/2018 06:33 AM
- [Build a Sumo Model - Assingment4.jpg](#) (323 KB) 17w2102h, 10/04/2018 12:26 AM
- [Build a Sumo Model - Assingment5.jpg](#) (371 KB) 17w2102h, 10/04/2018 12:33 AM



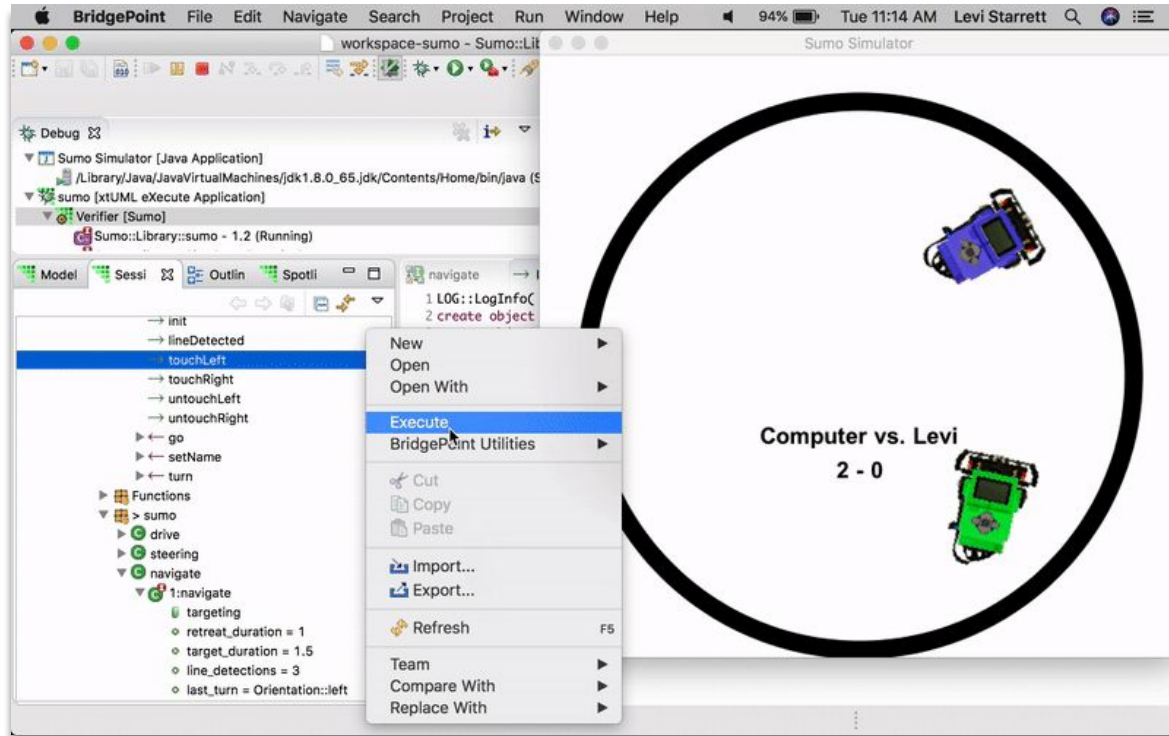
Ready-to-Use Student VM



- Hosted on Amazon Web Services (AWS)
- BridgePoint, compilers, RTOS, models already installed



Hands-On Learning



TODO - ideally a class pic of battling robots instead of this static lego robot