xtUML Online Training Launch

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Content

- The BridgePoint team will create the course content
- We are currently in the process of outlining and assigning the individual topics
 - The overall outline is available at https://github.com/xtuml/training/blob/master/doctraining/notes/1 training dnt.md
 - This outline is not complete, we will add to it as we go

Course Delivery System

Common terms:

- MOOC : Massive Open Online Course
- LMS: Learning Management System

We have chosen to use http://openlearning.com as our LMS.

As a start, we will create separate MOOCs for Editor, Verifier, and Model Compilers.

Features of openlearning.com

- Course management
- Module and Topic segregation and breakdown
- Topics can include text as well as embedded youTube video
- Quizzes
 - Multiple choice
 - Crossword puzzle
 - Fill in the blank
 - Category sorting

We have a created a simple course as a learning exercise:

https://www.openlearning.com/courses/introductiontoxtuml

Introduction to xtUML

Welcome!

This course introduces the student to eXecutable Translatable UML using xtUML Editor from xtuml.org and BridgePoint from Mentor Graphics.

Start date: Learn at your own pace



Join the course »



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About the Course

xtUML stands for eXecutable Translatable UML. xtUML is a UML profile for software development that allows the user to build UML models of software systems that are executable at the model level. The software models are also translatable to target code using a model compiler.

The xtUML Editor is available from http://xtuml.org as open source software. This course introduces the student to xtUML for model driven development.

Course Team



Keith Brown



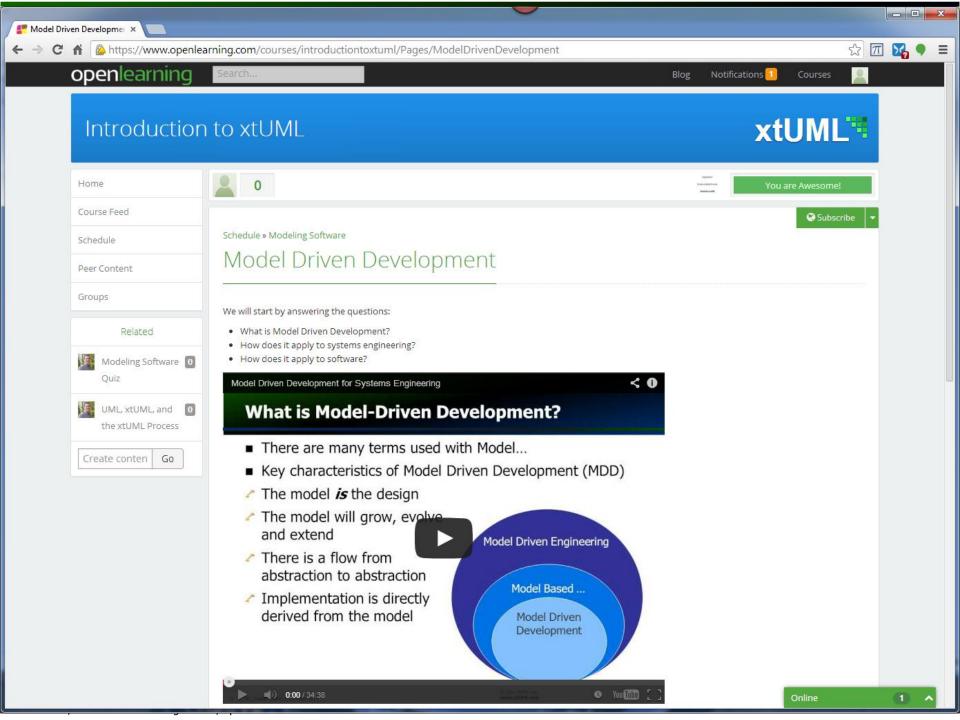


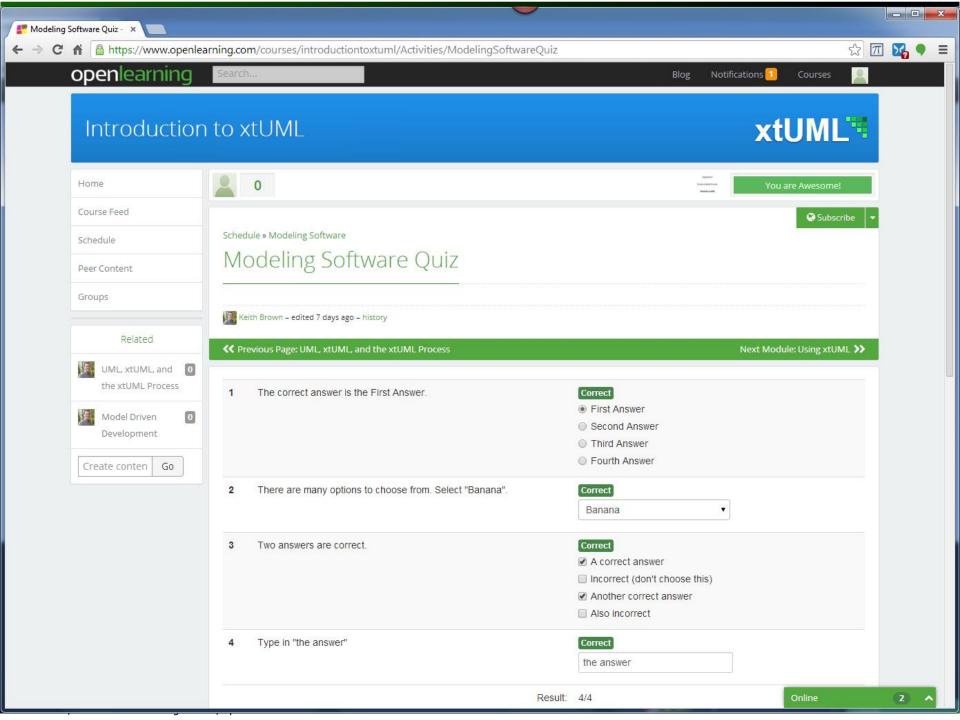
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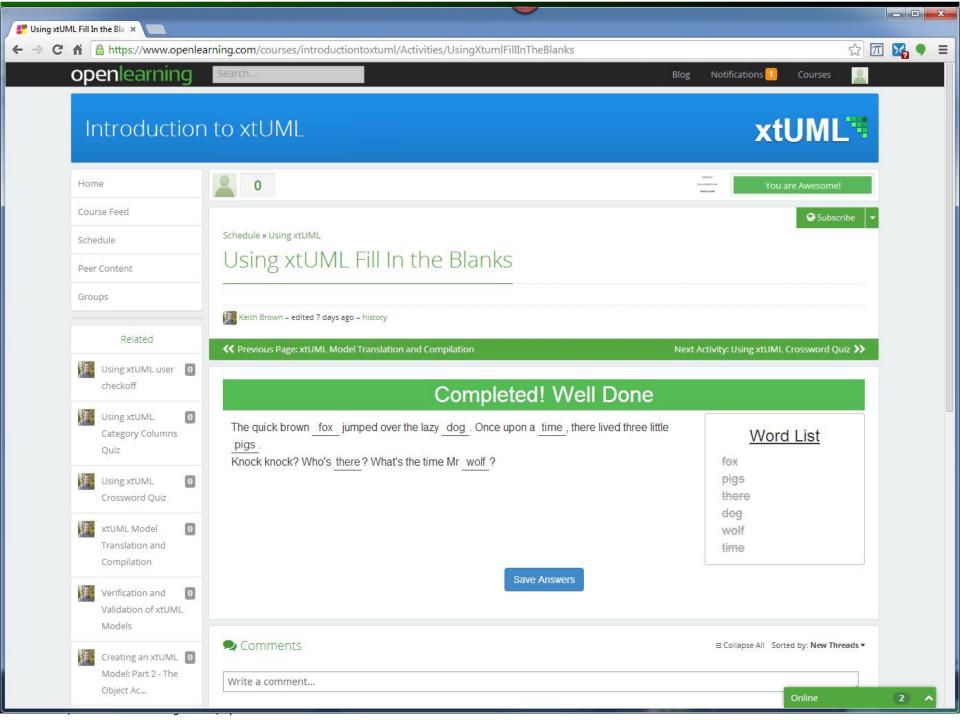


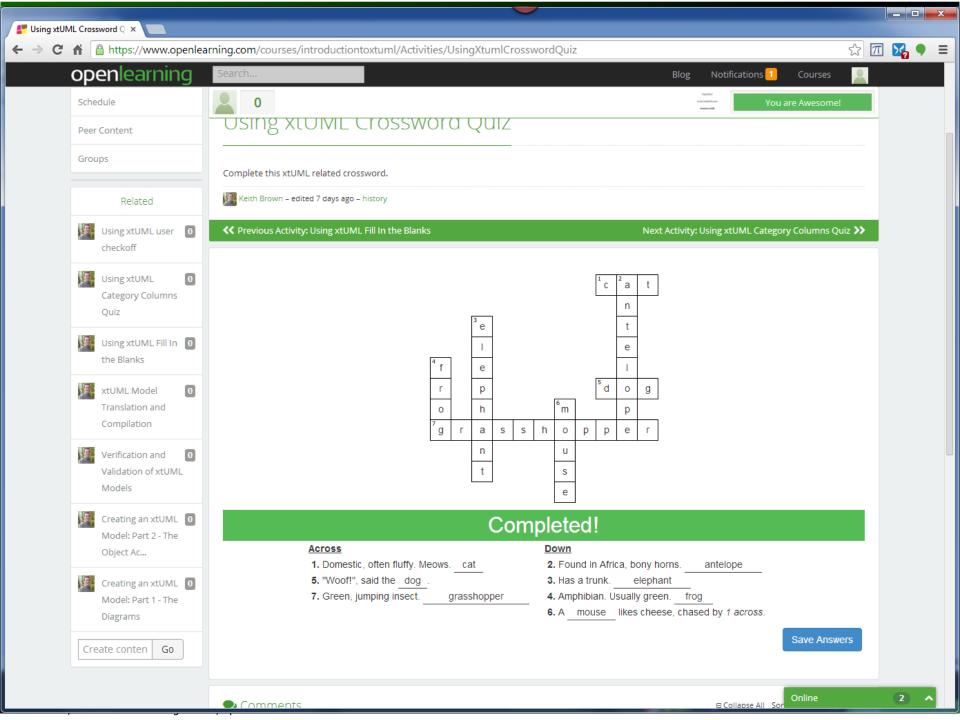


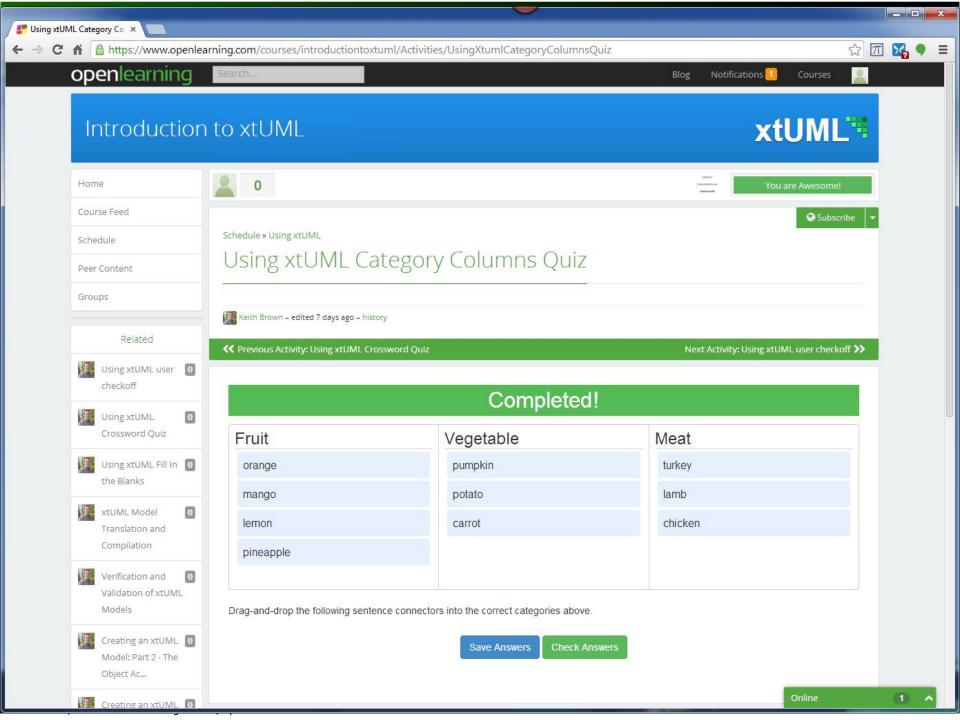
Dean McArthur











Course Content Creation

- We are creating a detailed process to use for creating course content: https://github.com/xtuml/training/blob/master/doctraining/process/HOWTO-create-a-course.md
 - Team members will fulfill different roles. Everyone will participate in course development. A few will be actual course administrators.
- We have a new public repository: https://github.com/xtuml/training
 - This is where we will store our course page content
 - Videos will be stored on youTube
 - This allows us maximum flexibility for accepting submissions from the community
 - It also allows us to migrate our course content to a different LMS if we choose

Course Content Creation - Developer

- Assigned a section of content from the course outline
- Create short videos (typically <5 min) for each topic in the section
- Upload the videos to youTube as xtUML user
- Create pages in course on github using the page template, add text content and link to the proper youTube video
 - Example course:
 https://github.com/xtuml/training/tree/master/courses/Introduction%20to%20xtUML
 - Page template: https://github.com/xtuml/training/blob/master/doctraining/process/templates/Page_template.md
- As pages are completed, notify course administrator
- Create quiz content for your section

Course Content Creation - Administrator

- Create course on openlearning.com
- Create modules, pages, and quizzes in the course on openlearning using the content from github
- Update the index page on xtuml.org that links an index item to the proper youTube video

