cmi5 vs. SCORM

Five Reasons why cmi5 is better than SCORM

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  - xAPI Consulting

Does xAPI replace SCORM?

- xAPI defines communication layer and storage.
- LMS is not mentioned… no LMS to content communication
- SCORM features are not included
  - Sequencing
  - Bookmarking
  - Completion criteria
- You COULD use extensions, but there is no interoperability.

cmi5: Next Generation SCORM

- Next generation Content To LMS interoperability specification

LMS “Use Case” for xAPI

- Built on top of xAPI

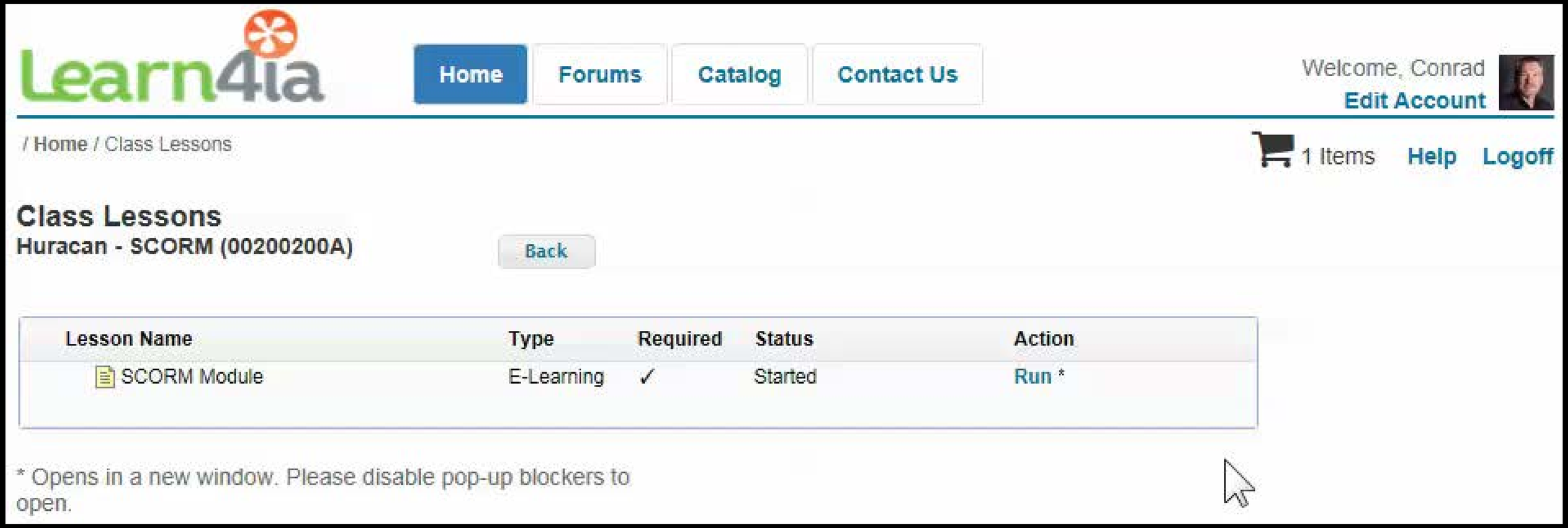
xAPI + “rules” = cmi5

Disclaimer

- Some cmi5 features have been replicated for SCORM by various LMS vendors, but…
  - Not part of the SCORM specification
  - Not interoperable

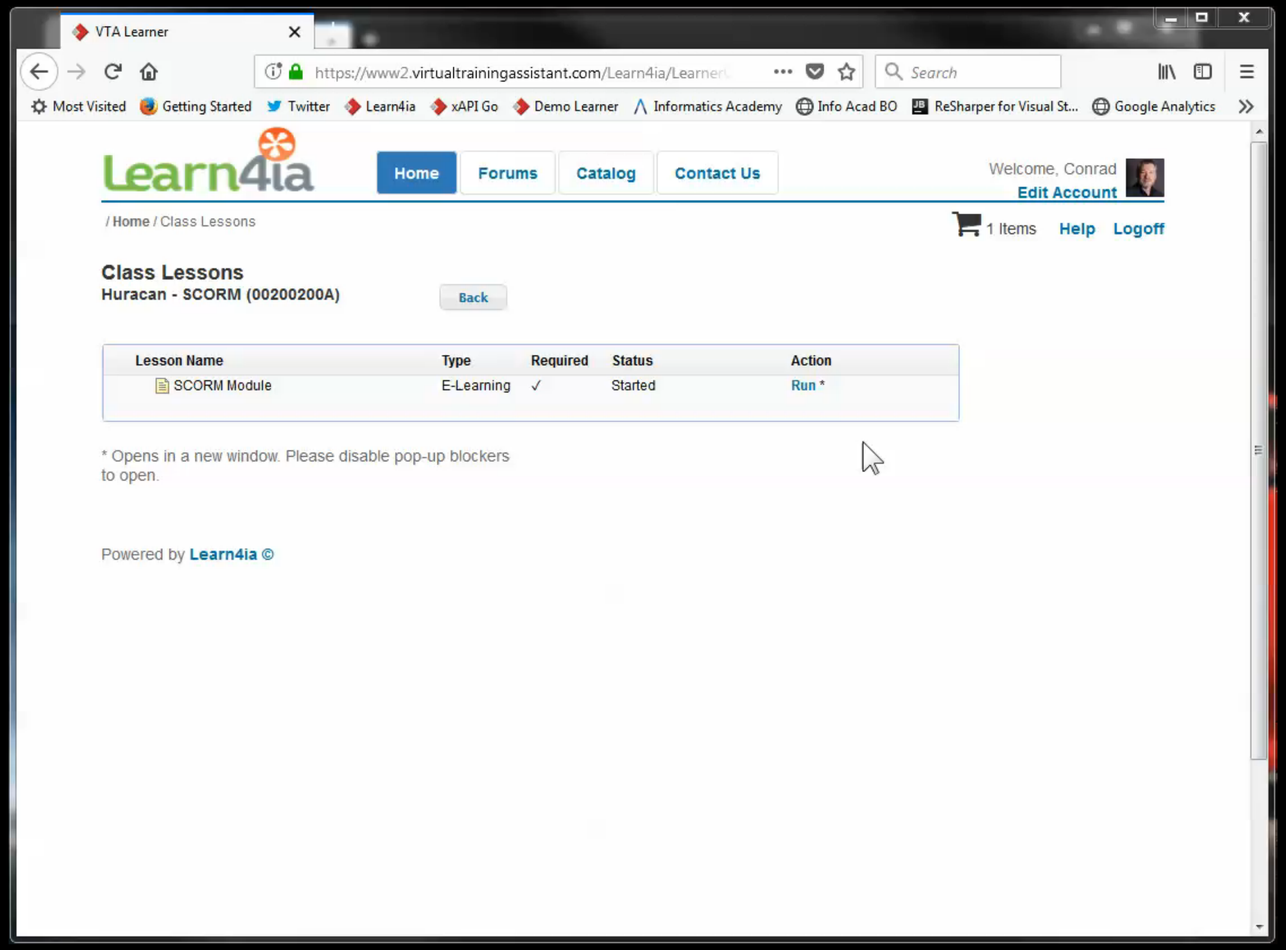
Benefit 1: No Pop-Ups

Case 1: The dreaded, silent pop-up blocker.



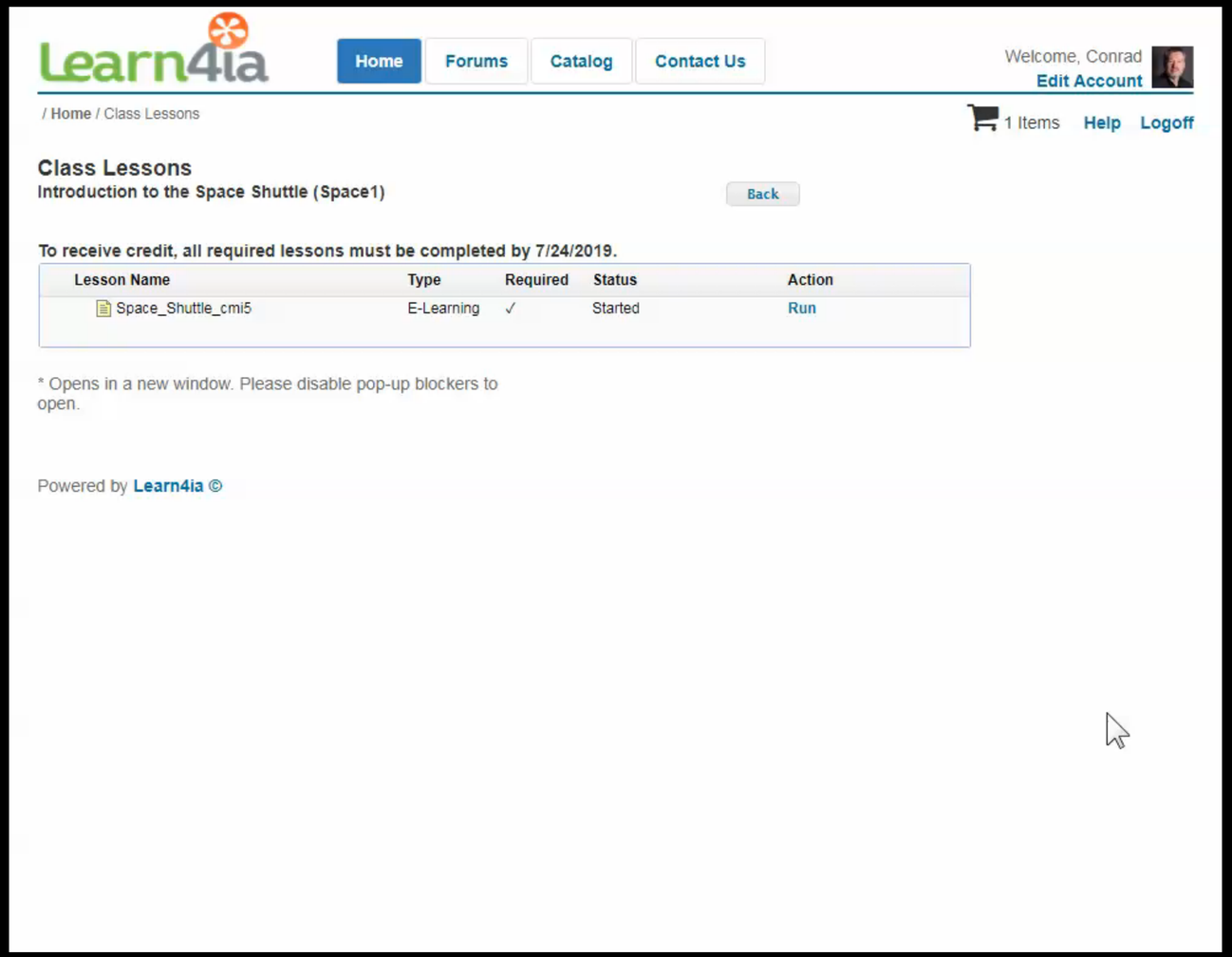
Benefit 1 – No Pop-Ups

Case 2: The dastardly pop-behind.



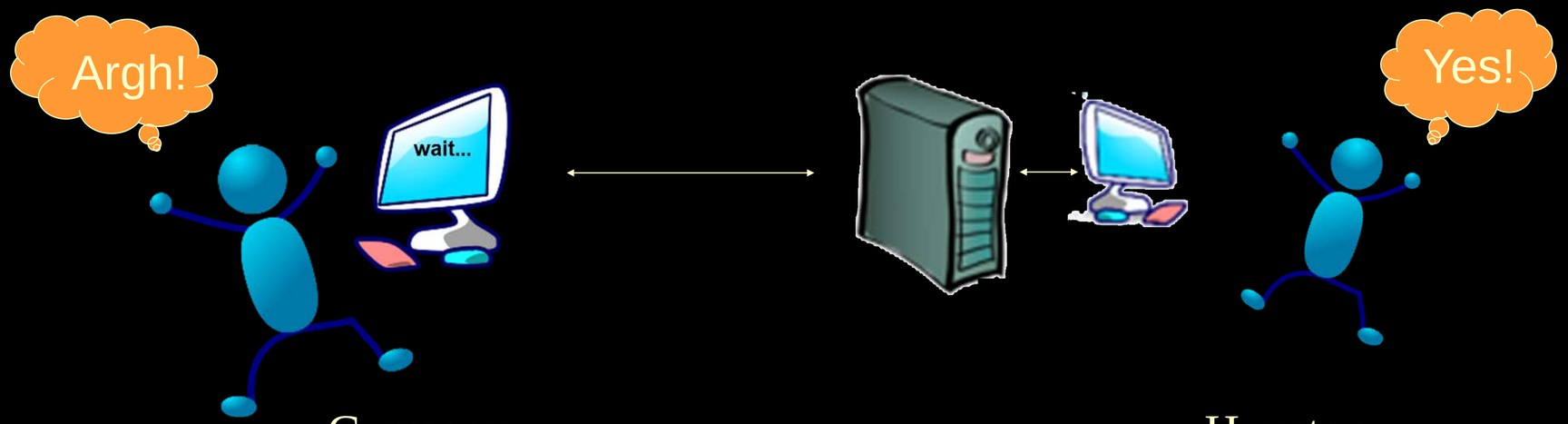
Benefit 1: No Pop-Ups

cmi5 in action



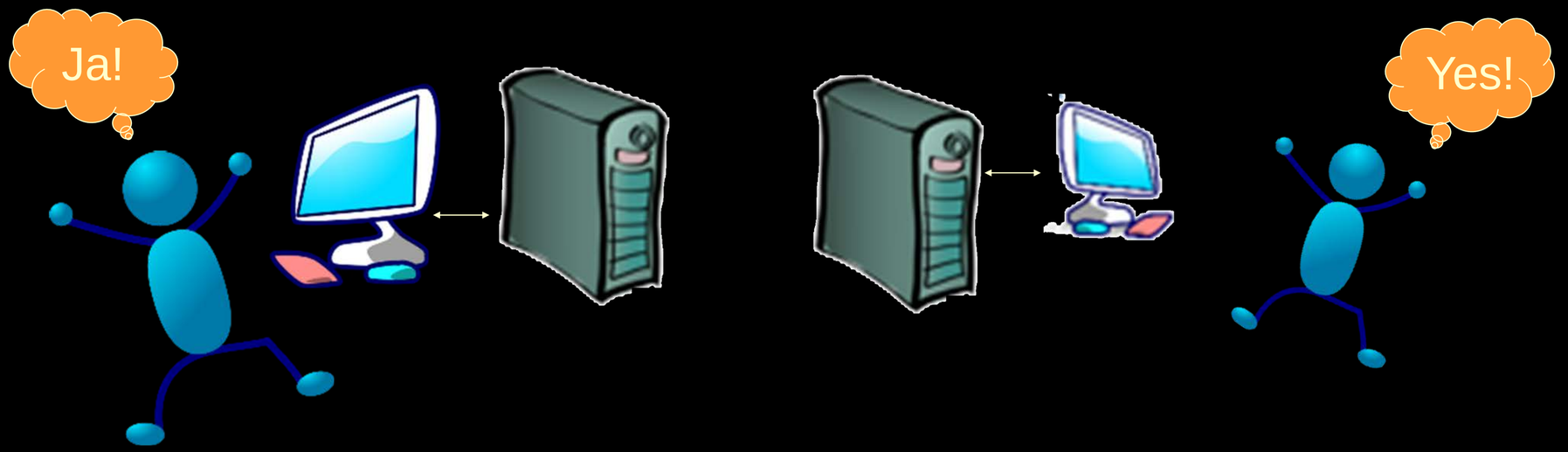
Benefit 2: Distributed Content

SCORM



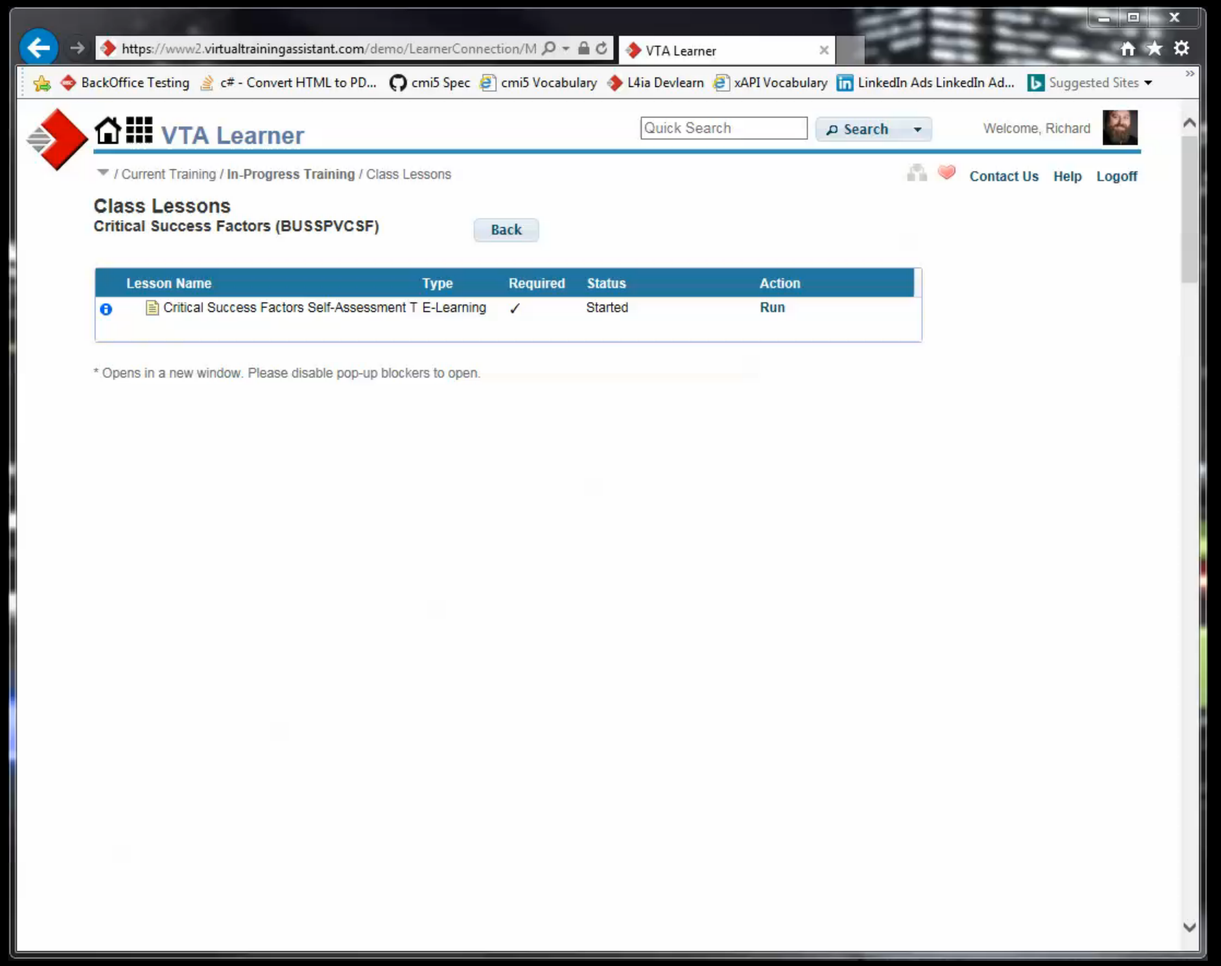
Germany — Houston

cmi5



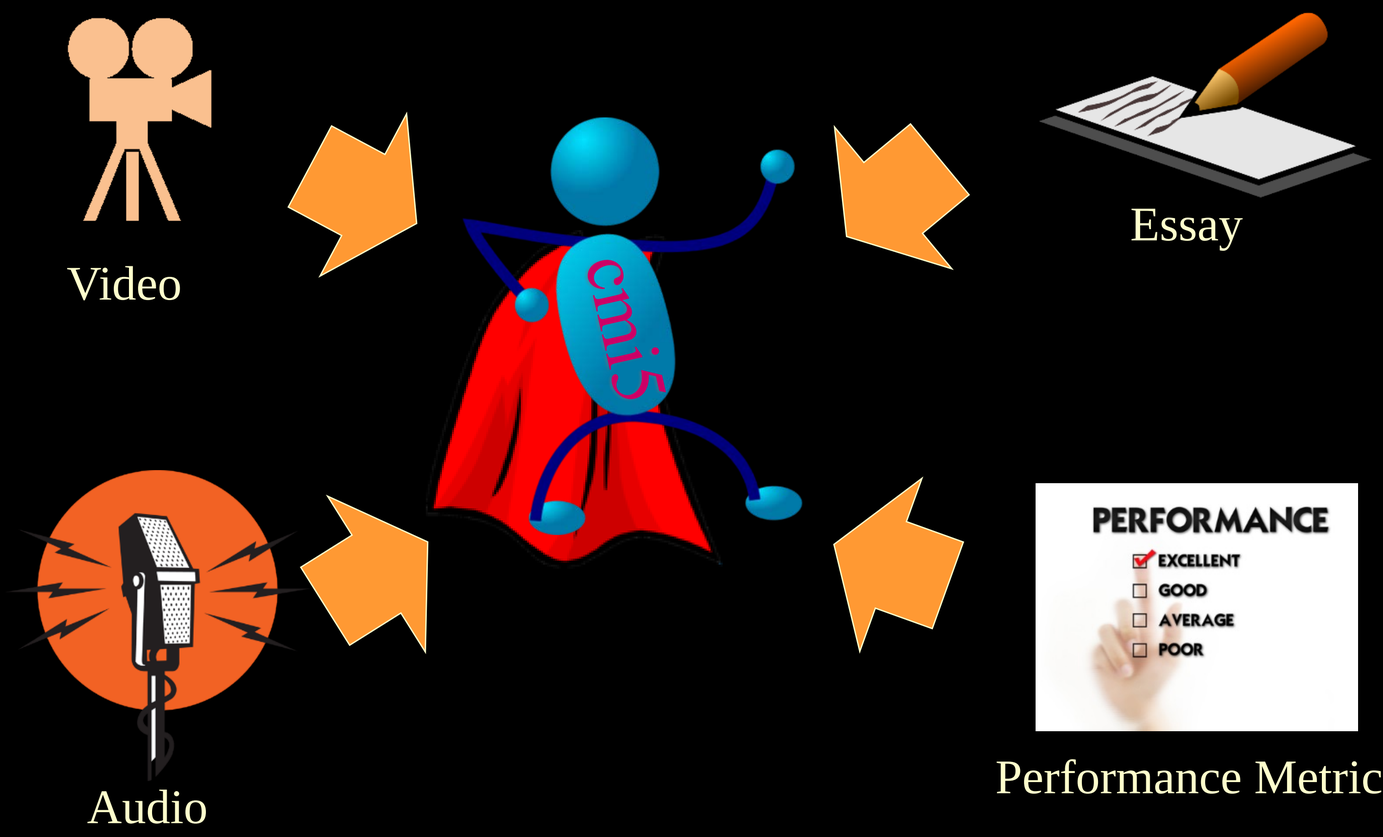
Benefit 2: Distributed Content

cmi5 in action



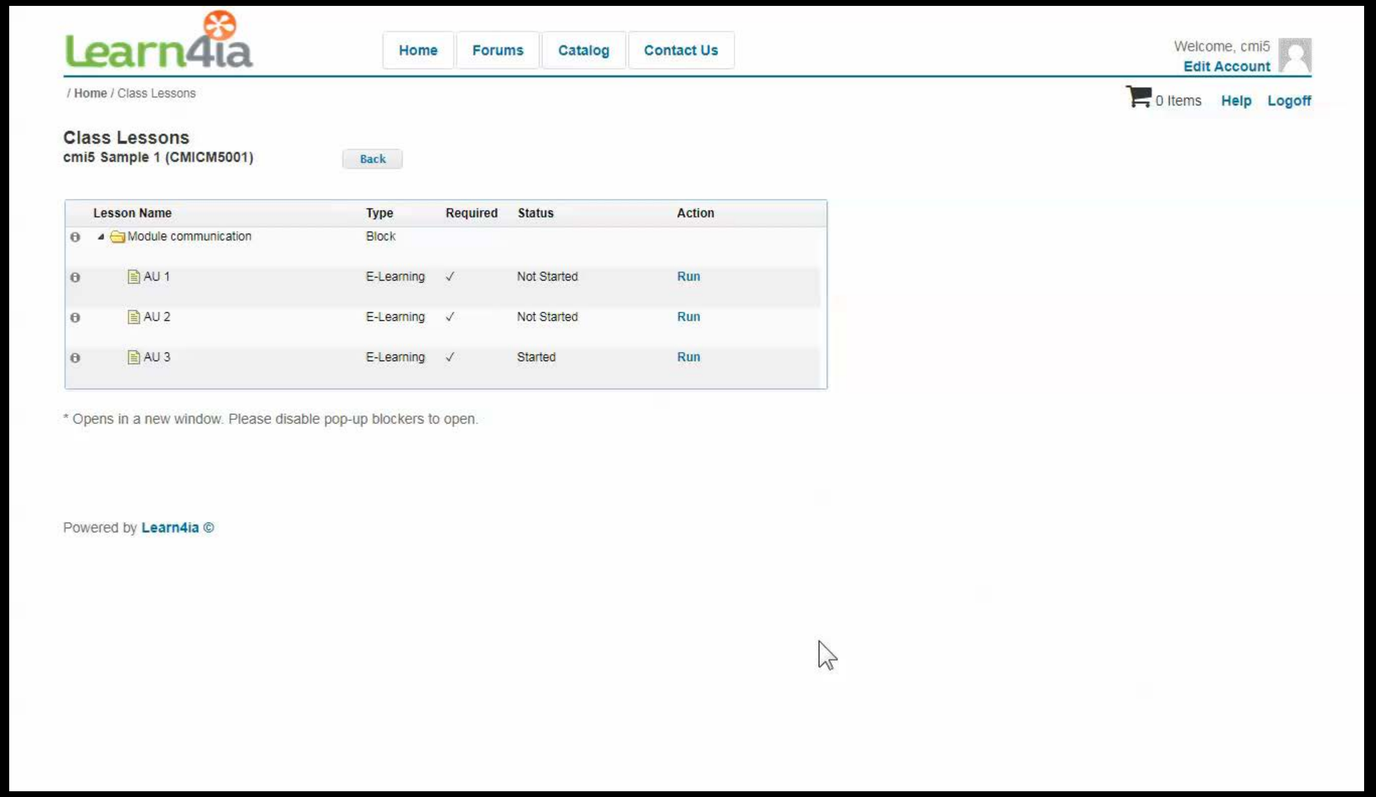
Benefit 3: Extensible Data Model

- The SCORM data model, while extensive, is fixed.
- cmi5 uses xAPI, which is extensible.



Benefit 3: Extensible Data Model

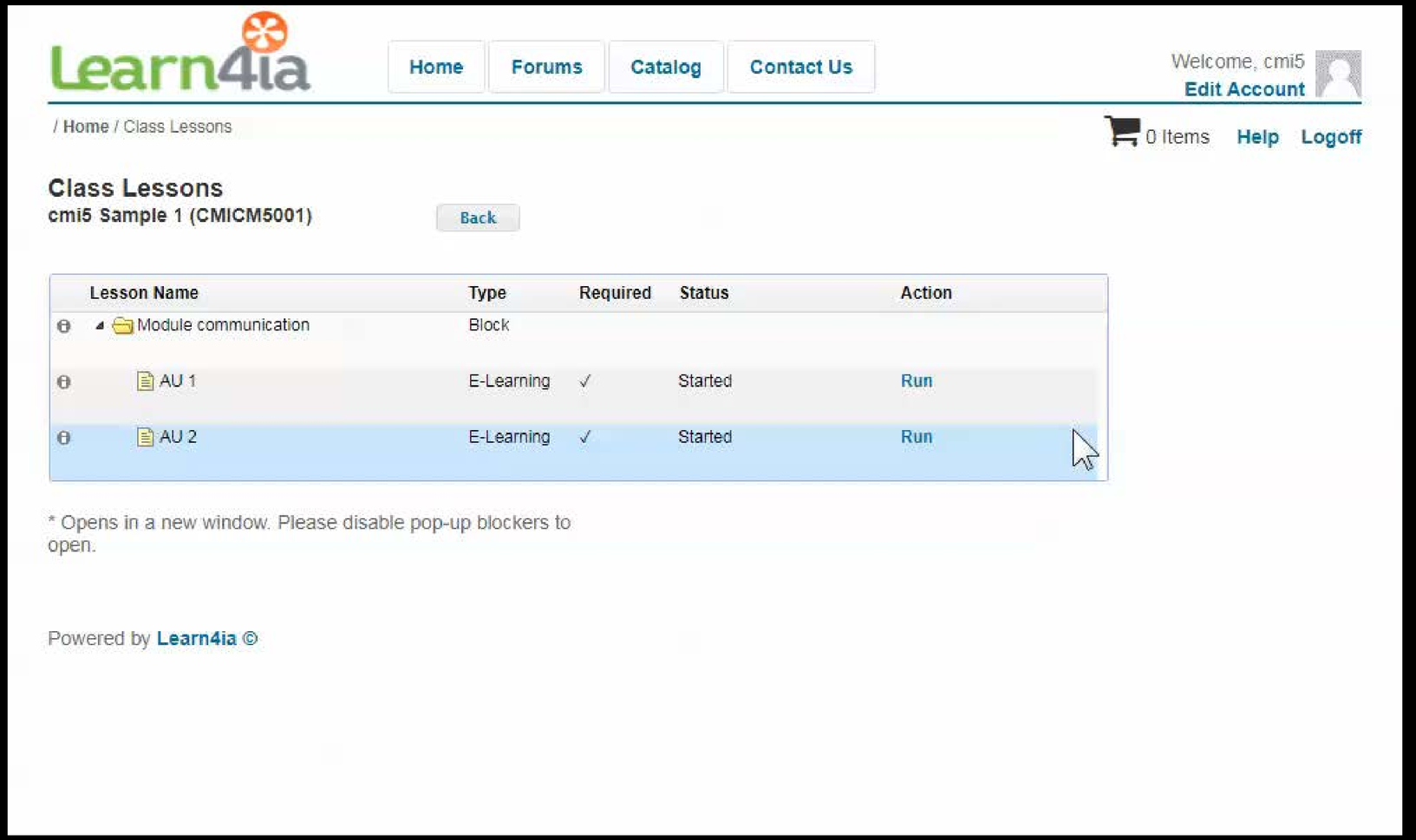
cmi5 in action



Benefit 4: Blocks

Lesson Name	Type	Required	Status	Action
Geologic materials	Block			
Rock and rock cycle	E-Learning	✓	Completed	Run
Unconsolidated material	E-Learning		Completed	Run
Whole-Earth structure	Block			
Plate tectonics	E-Learning	✓	Completed	Run
Structure of the earth	E-Learning	✓	Not Started	Run
Geologic time scale	Block			
History and nomenclature of the time sca	E-Learning	✓	Not Started	Not Available
Current official geologic time scale	Block			

Benefit 5: Data Sharing Across AU



Bonus 1: Clarity of “move on”

Since a long time ago (2001?), in this galaxy, there’s been a war going on….

- Options
  - Completed
  - Passed
  - CompletedAndPassed

SCORM WARS

Bonus 2: Administrator is in charge

Feature	Whose in charge?	
	SCORM	cmi5
Passing Score	Content	Administrator
Move On Criteria	Content	Administrator

Bonus 3: Client Agnostic

- For all practical purposes, SCORM is dependent on the browser (javascript)
- cmi5 is not (REST and JSON)
  - Most coding languages can interpret JSON data.
  - cmi5 can launch mobile app, for example

Bonus 4: Data Portability

Have you ever tried to transfer data from one LMS to another?

SCORM

cmi5

References

- http://aicc.github.io/CMI-5_Spec_Current/
- http://aicc.github.io/CMI-5_Spec_Current/SCORM/
- http://risc-inc.com/next-generation-scorm-cmi5/