Curriculum Materials Working Group Report

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The Curriculum Materials Working Group (so far)

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Overview

What is Curriculum Materials Packaging?

Existing Work

Our Vision

Breakout Session Goals

What do we do next?

What is Curriculum Materials Packaging?

Materials

- Assignments
- Assessments
- Slides
- Teacher Notes
- Evaluation Data
- …

Packaging

- Creating
- Revising
- Sharing
- Finding
- Crediting
- …

Instructors want to…

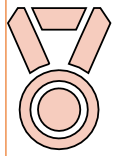
- … find a ready-to-go lesson on topic X for his course
- … share a good lesson they made last semester
- … gather feedback on a lesson they shared
- … modify a lesson based on suggestions by an adopter
- … earn credit for the number of adopters of their materials.
- … take a specific colleague's set of materials.
- … check if two courses are similar enough to compare
- …

Common Issues

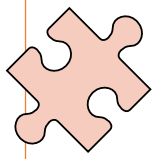
Time/Energy Cost

Novice Designers

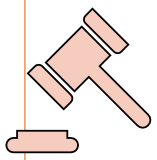
Non-standardized Goals



Lack of Incentives

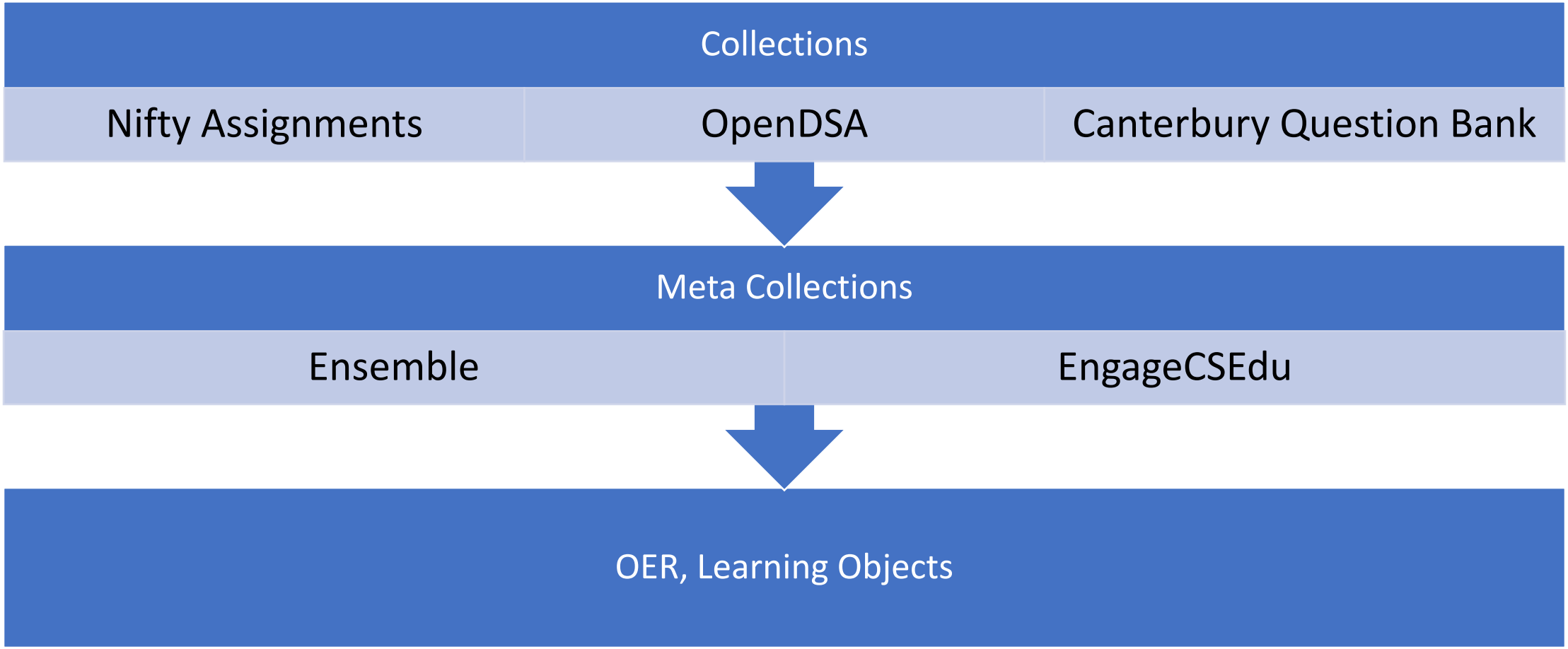


Difficult HCI in Tools



Variable IP Policies

Existing Work



cssplice-cm.github.io/

Our Vision

- Git-based Course Format
  - *Not just another tool or LMS*
  - Plain-text curriculum materials (YAML, Markdown, etc.)
  - Converters from/to popular LMSs and import formats

- Best Practices and Shared Vocabulary
  - Definitions/Taxonomy for Materials ("Lesson", "Module", "Assignment", etc.)
  - Definitions/Formalizations for Packaging ("Creating", "Sharing", "Evaluating", etc.)

Best Practices

- Using an Instructional Design process when developing your materials
- Organizing public, private, and secret data
- Teaching/Advertising with GitHub Pages
- Streamline interactions with IRB/FERPA/IT Security
- Evaluating your materials with IRT, topic coverage, etc.
- Collecting feedback on your materials
- Gathering promotion/tenure evidence from your materials

Breakout Session Goals

- What are YOUR pain points in Curriculum Packaging?
  - Are some pains more frequent than others?
  - What scenarios did we miss?
- How have you been solving the problem so far?
  - Specific processes?
  - Tools you've developed?
- What kinds of tools and processes are you seeking?
- What motivations do you need?
  - Money? Tech support? Pedagogical support? Promotion credit? Paper?

What's Next?

- Short Term
  - Join our Google Group
  - Propose/review candidate solutions
- Medium Term
  - Fill out our Google Form about pain points
  - Join in discussion about our formats
- Long Term
  - Write up our format and best practices
  - Package some exemplar materials in our format
  - Have a collection adopt our format