BitCuratorEdu Learning Object

Digital Curation Technologies Assignment

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Description

This assignment engages students in digital curation technology through several self-guided explorations culminating in a presentation. Students have the option of choosing the BitCurator environment as a research subject. Students answer a series of questions that mirror questions a practitioner responsible for making a recommendation on adopting a new technology, repository, or service must ask themselves.

Learning object type

Lesson plan/materials

Learning objectives

This learning object might be used in a lesson to satisfy the following learning objectives:

- Test and evaluate tools for use in born-digital archiving workflows.
- Identify the appropriate tools to: safely acquire born-digital materials from storage media and other modes of transfer; assist in the appraisal of born-digital materials; scan for sensitive information in born-digital materials; and package born-digital materials for preservation and access.

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- Advocate for the use of community-built and -supported open-source tools in digital curation.

Digital Curation Technologies Assignment

Z586 – Digital Curation, Fall 2017
Dr. Devan Ray Donaldson

Increasingly, various solutions for digital curation environments are being created. In this assignment, you will learn about specific types of digital curation environments and computing infrastructures by reading tutorials, watching demonstration videos, reading accompanying wikis, reading discussion boards and user forums, talking to people who have experience using the technologies, and interacting with software. During the course of the semester, you will prepare a presentation on a specific type of digital curation software or environment from the following list:

- DSpace (www.dspace.org)
- BitCurator and BitCurator Access (www.bitcurator.net)
- Karst (https://kb.iu.edu/d/bezu) and Big Red 2 (https://kb.iu.edu/d/bcqt)
- BrownDog (http://browndog.ncsa.illinois.edu/)
- JetStream (jetstream-cloud.org)
- Phydo (https://wiki.dlib.indiana.edu/display/HD2/PHYDO)

You will be paired with a partner for this assignment during the first week of class. You and your partner will prepare an interactive presentation for the class about the digital curation environment or technology that is assigned to you. During your presentation, you are required to address the following questions:

- What is it?
- Who created it?
- What does it do?
- Who should use it?
- How much does it cost?
- Does anyone at IU use it? If so, how?
- Is there a user community or user group for it?
- Are there any demos for it?
- How does it relate to components of the DCC Curation Lifecycle Model?

In addition, you are required to instruct the class on how to use the digital curation environment or technology that is assigned to you. To help you prepare for this part of your presentation, you should contact the following individuals before you present to learn more about your digital curation environment or technology:

- For DSpace – [contact info]
- For BitCurator and BitCurator Access – [contact info]
- For Karst and BigRed 2 – [contact info]
- For BrownDog – [contact info]
- For JetStream – [contact info]
- For Phydo – [contact info]

It is your responsibility to contact these individuals well in advance of your presentation due date to meet with them in person or by phone/skype to ask any questions you may have.

Some additional resources to help you with this assignment can be found in Canvas under:
Files > Resources for Digital Curation Technologies Assignment

Once in that folder, select the folder corresponding to the technology to which you're assigned to see if there are any additional resources located there.

Please review the following presentation schedule to determine your assignment due date, and mark your calendar accordingly:

DSpace – 9/28
BitCurator and BitCurator Access – 10/12
Karst and Big Red 2 – 10/19
BrownDog – 11/2
JetStream – 11/9
Phydo – 11/16

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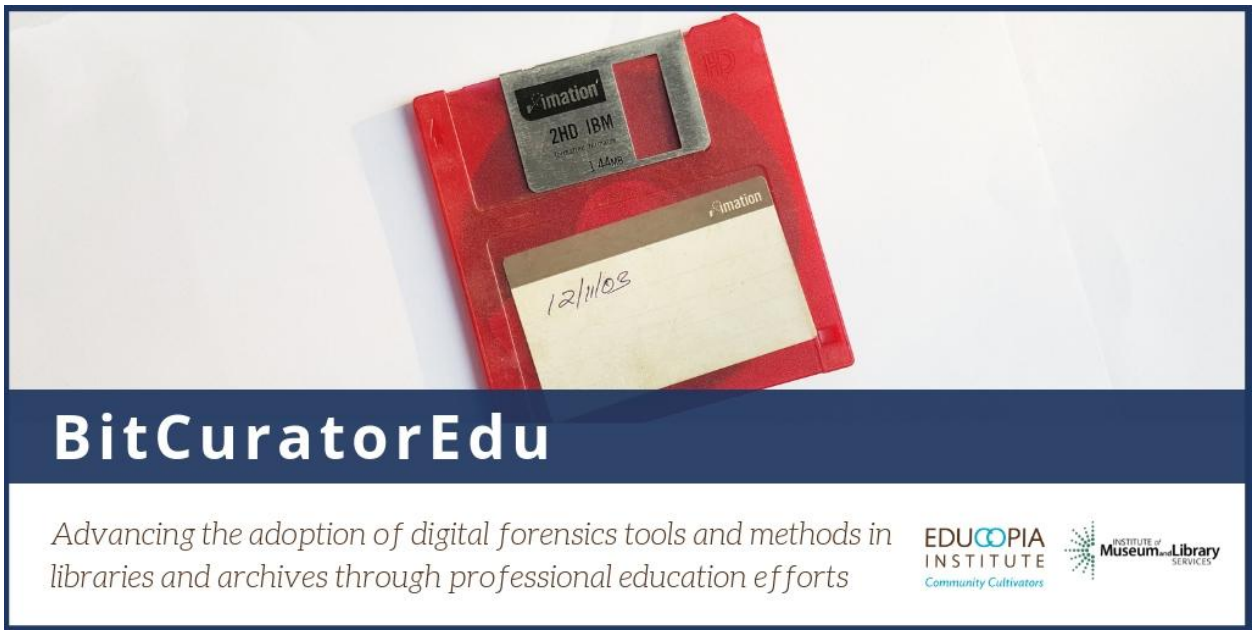
Use of PowerPoint is required. You are to prepare a 30- to 45-minute presentation on your digital curation environment or technology, including an in-class demo or tutorial of the technology and Q&A. If your presentation includes handouts, please send me a copy of them well in advance if you want me to print them out for the class. Submit your presentations on Canvas before the class in which you give your presentation.



Most resources from the BitCuratorEdu project are intentionally left with basic formatting and without project branding. We encourage educators, practitioners, and students to adapt these materials as much as needed and share them widely.

The BitCuratorEdu project is a three-year effort funded by the Institute of Museum and Library Services (IMLS) to study and advance the adoption of digital forensics tools and methods in libraries and archives through professional education efforts. This project is a partnership between Educopia Institute and the School of Information and Library Science at the University of North Carolina at Chapel Hill, along with the Council of State Archivists (CoSA) and several Masters-level programs in library and information science.