EUE: Development of a Hybrid Course Infrastructure and its Application in CS340: Algorithms and Data Structures

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python™
mongoDB
METEOR

Live at:
http://edit.cs.siue.edu:3000/

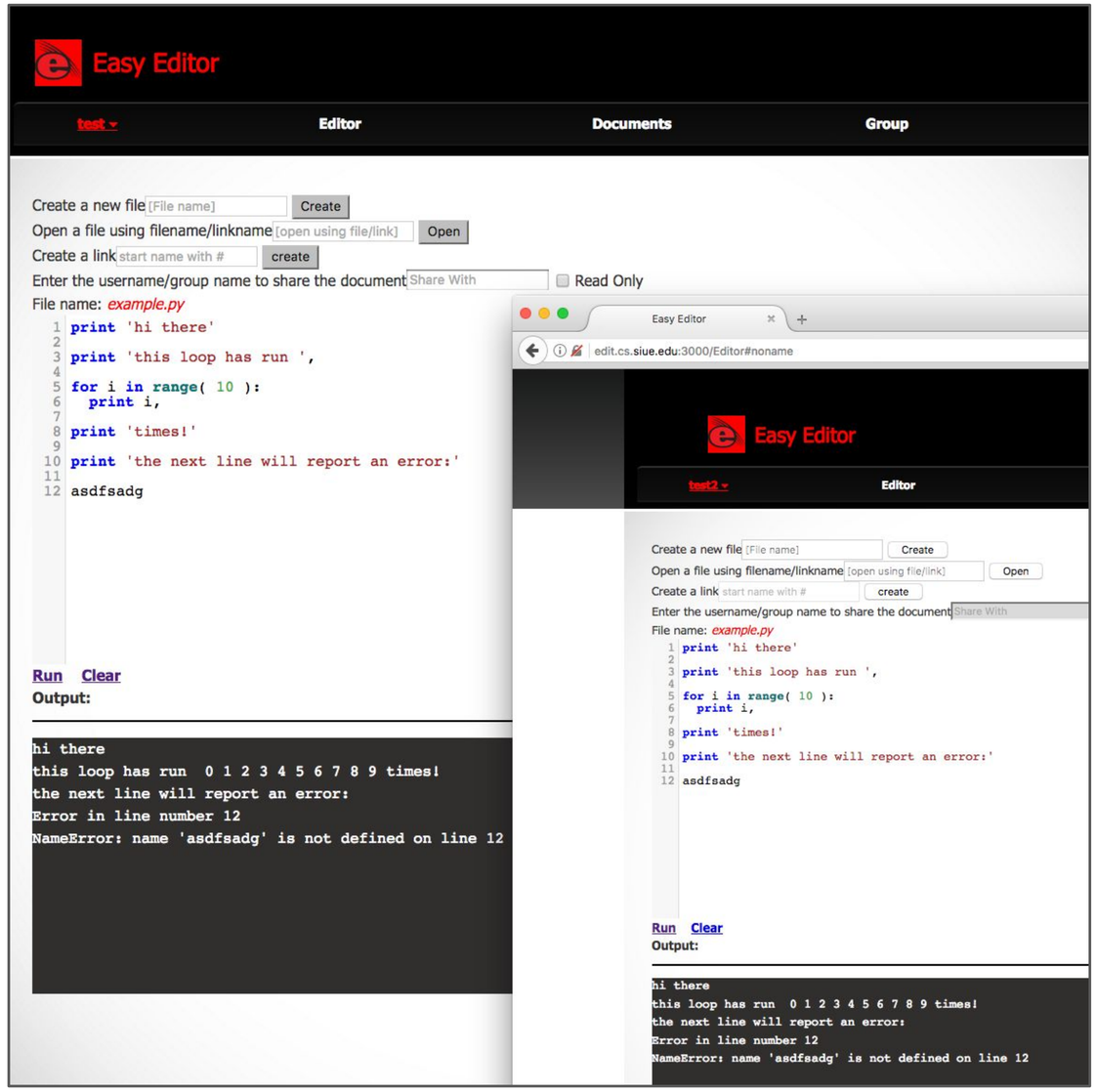
Easy Editor

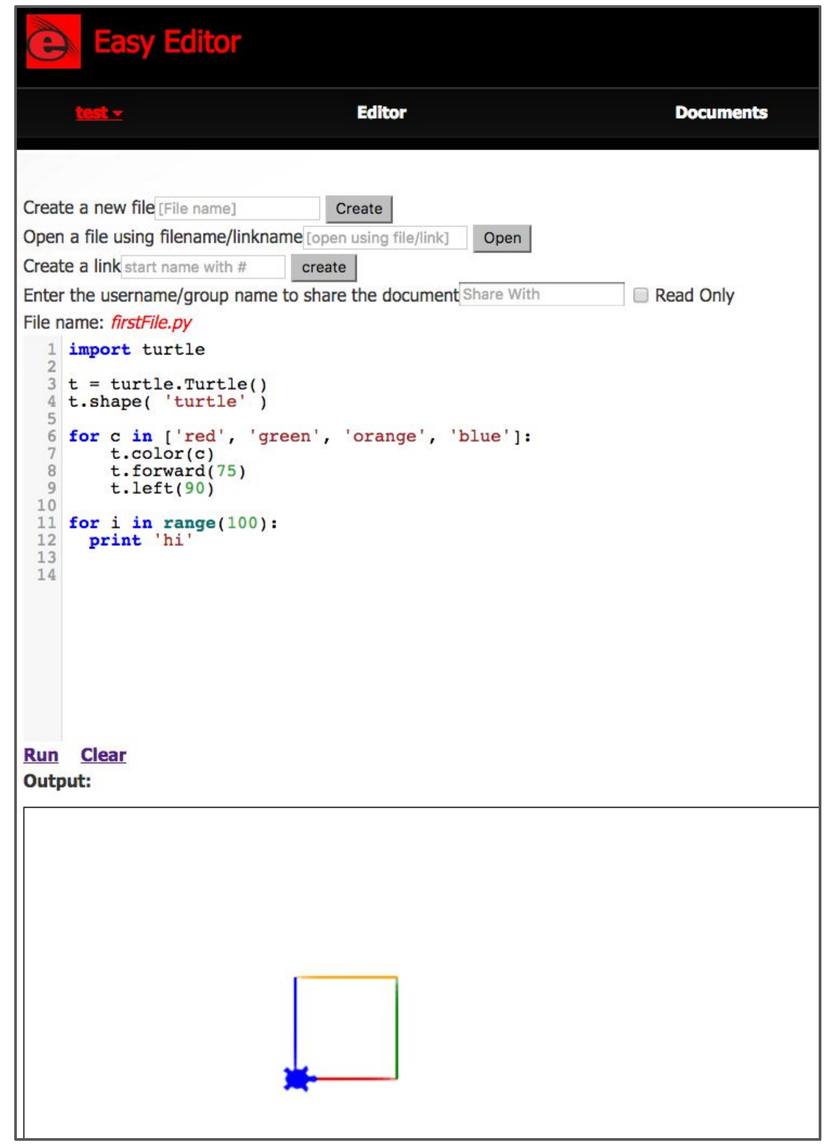
Goals:

1. Real time, collaborative editing.
2. Simple interface.
3. Web based
4. Usable on computers and mobile devices in real time in class to create and demonstrate code.

Easy Editor provides:

1. Log in with Facebook credentials.
2. Write, compile, and execute python code in the browser.
3. Share files with students.
4. Collaboratively create/edit code in real time.
5. Debug code as a group in class.





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eue
excellence ... quality ... innovation

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python™

SPHINX
Python Documentation Generator

Live at:
http://www.cs.siue.edu/~marmcke/docs/cs340/

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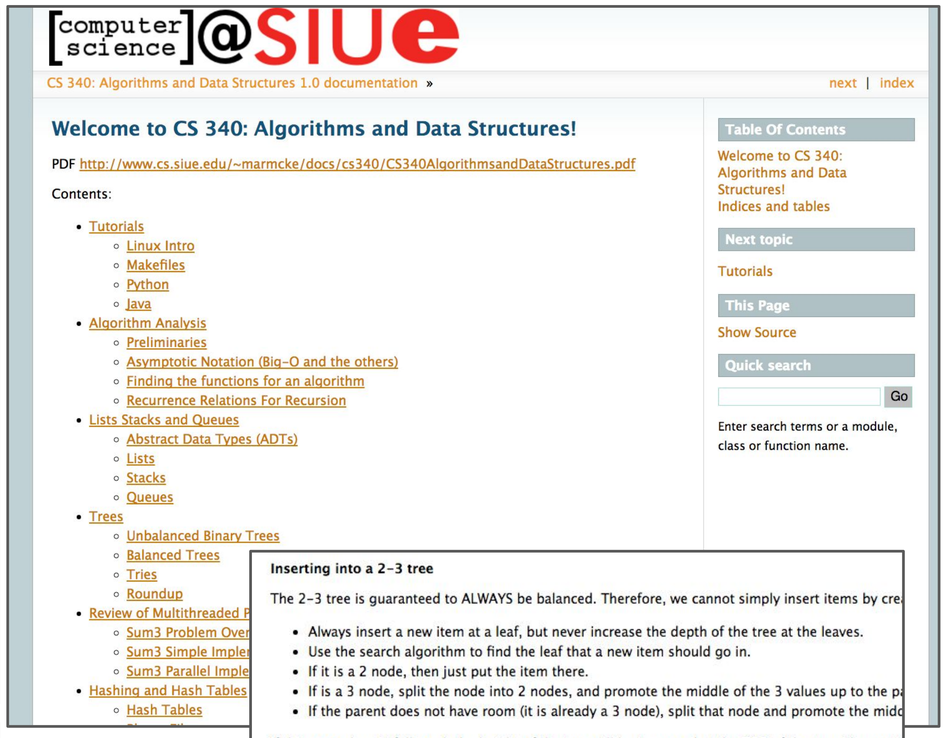
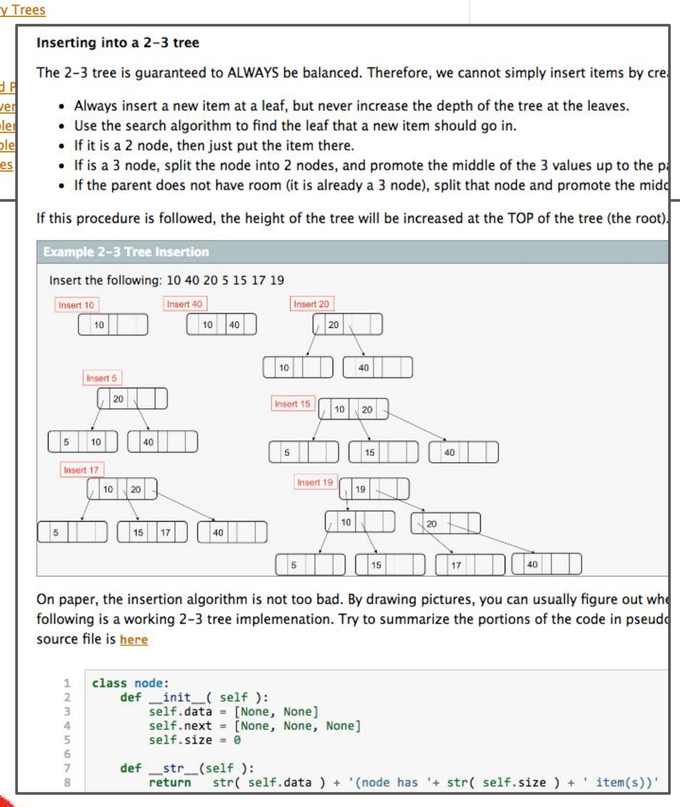
Goals:

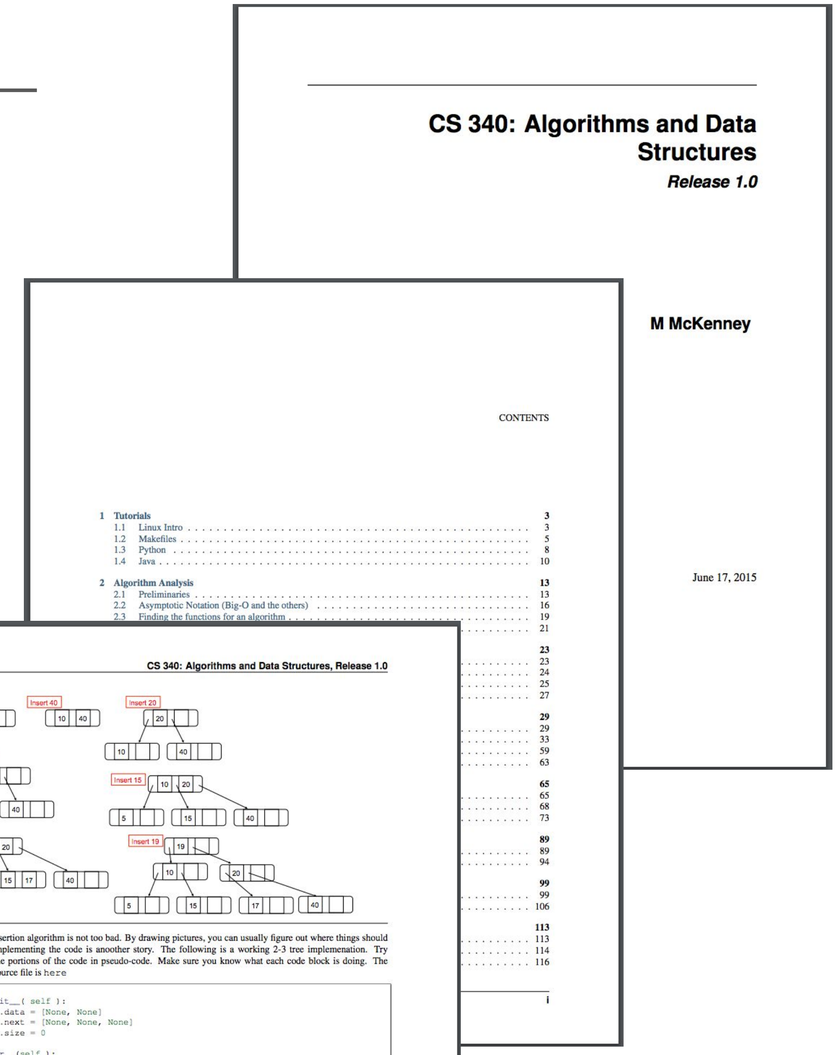
1. Create course materials quickly.
2. Ability to include more in depth information than is appropriate on Powerpoint.
3. Searchable content. (its hard to find something specific in a folder full of Powerpoints)
4. Easily create Web and PDF formats.

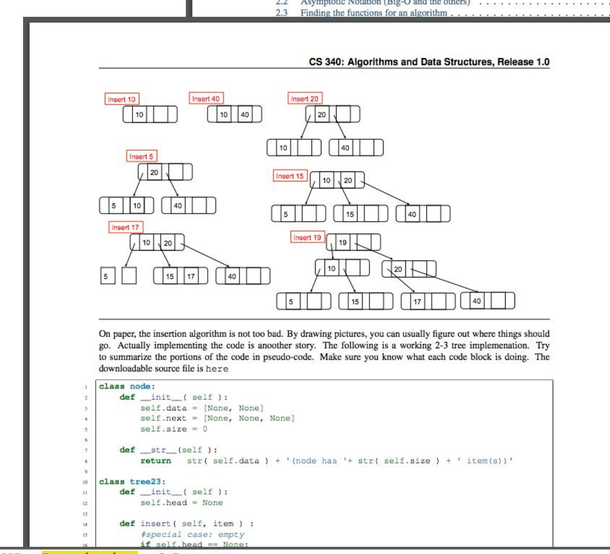
Sphinx provides:

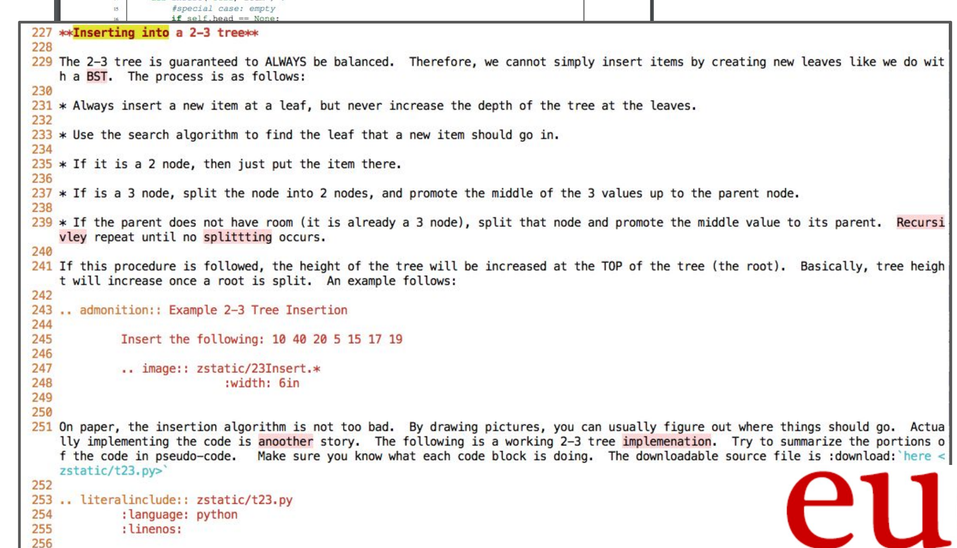
1. Text based format format for content creation.
2. Multiple output formats:
   a. Searchable website
   b. Book in PDF
   c. Ebook
3. Integrates easily with version control.











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