Kielce: Configurable HTML Course Documents
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Many course documents differ in only a few, predictable ways from semester to semester.

Kielce is a JavaScript library that allows users to move content from the HTML file to a separate file.

- Doesn’t change often
- Requires a single JavaScript file only
- (nothing to “install”)
- Client-side browser does processing
- No need to “pre-process” files
- No need for special web server configuration
- Can easily share Kielce-based documents with others. They need not know how to use Kielce.

Advantages:
- Data items can be functions or objects. (They are not limited to simple strings.)
- Functions and objects can automate formatting
- Functions can automatically calculate dates based on beginning of semester
- Can use objects and methods to help format data
- Data file can contain functions to calculate values.

Other use:
- Reduces conflicting updates when several instructors share one assignment

HTML file

- Doesn’t change often

Performance desired substitutions

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Other use:
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Kielce data file

- All updates made here
- Most lines change each semester

Making these changes by hand is not difficult, but it can be error prone.

- It is easy to overlook a needed change.

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Advanced uses:
- Data items can be functions or objects. (They are not limited to simple strings.)
- Functions and objects can automate formatting
- Functions can automatically calculate dates based on beginning of semester

Download from:
- http://www.cis.gvsu.edu/~kurmasz/Software/Kielce

CS163 Computer Science II
Fall 2011

CONTACT INFORMATION:
Instructor: Zachary Kurmas
Phone: 631-8488
Home page: http://www.cis.gvsu.edu/~kurmasz

TEXT:

PREREQUISITE:
- CS 162 with a grade of C or better. Actually, I strongly encourage those who did not get at least a B in CS 162 to seriously consider taking 162 again before attempting this class.

IMPORTANT DATES:
- Drop Deadline: Monday, 28 October, 5:00 p.m. To drop a class you must drop the class yourself (e.g., using Banner).

DROP DEADLINE:
The deadline for dropping this class with a grade of “W” is Friday, 28 October, 5:00 p.m. To drop a class you must drop the class yourself (e.g., using Banner).

Load JavaScript

Method call on object

Perform desired substitutions

Placing repeated data in a variable helps avoid consistency problems.

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