

# Flexible Spreadsheet-based Grade Book for the Web

**Steven Bellenot**

Mathematics Florida State University  
bellenot@math.fsu.edu

<http://www.math.fsu.edu/~bellenot/class/f02/web>

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# Outline

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# Outline

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- Slides: Advantages/Spreadsheets/Privacy

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# Outline

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- Slides: Advantages/Spreadsheets/Privacy

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- Look at actual pages with a browser

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# Outline

- Slides: Advantages/Spreadsheets/Privacy
- Look at actual pages with a browser
- Demo: we will create and use a grade book

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# Outline

- Slides: Advantages/Spreadsheets/Privacy
- Look at actual pages with a browser
- Demo: we will create and use a grade book
- time permitting: show the details

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# Web Advantages

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# Web Advantages

- Students can check your entries

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# Web Advantages

- Students can check your entries
- Students can get grades early

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# Web Advantages

- Students can check your entries
- Students can get grades early
- Students can get grades late

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# Web Advantages

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- Students can check your entries
- Students can get grades early
- Students can get grades late
- What do I need on the final?

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# Web Advantages

- Students can check your entries
- Students can get grades early
- Students can get grades late
- What do I need on the final?
- It is cool and students like it

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# Spreadsheets

- The original killer application.

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# Spreadsheets

- The original killer application.
- Store data and compute

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# Spreadsheets

- The original killer application.
- Store data and compute
- Import and export options

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# Spreadsheets

- The original killer application.
- Store data and compute
- Import and export options
- Export: Comma Separated Values (or Tab)

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# Spreadsheets

- The original killer application.
- Store data and compute
- Import and export options
- Export: Comma Separated Values (or Tab).
- "Nole, Susan",100,10,20,,

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# Blackboard Gradebook disadvantages

- Can't bookmark the gradebook

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# Blackboard Gradebook disadvantages

- Can't bookmark the gradebook
- Can't upload a file

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# Blackboard Gradebook disadvantages

- Can't bookmark the gradebook
- Can't upload a file
- No calculation but total sum

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# Blackboard Gradebook disadvantages

- Can't bookmark the gradebook
- Can't upload a file
- No calculation but total sum
- Fields go the wrong way

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# Blackboard Gradebook disadvantages

- Can't bookmark the gradebook
- Can't upload a file
- No calculation but total sum
- Fields go the wrong way.
- Need garnet account

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# Privacy Issues

- Restrict access to data with the students name

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# Privacy Issues

- Restrict access to data with the students name
- Solution: web page contains no name

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# Privacy Issues

- Restrict access to data with the students name
- Solution: web page contains no name
- Students should only be able to see their own data

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# Privacy Issues

- Restrict access to data with the students name
- Solution: web page contains no name
- Students should only be able to see their own data
- Solution: each web page has only student's row

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# Privacy Issues

- Restrict access to data with the students name
- Solution: web page contains no name
- Students should only be able to see their own data
- Solution: each web page has only student's row
- Solution: other pages are 'hard' to find

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# Example Web Page

- Live

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# Demo

- `~bellenot/gb/duit` or `duit.tabs`
- Nexs spreadsheet
- `make`
- `make install`

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# How you use it

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# How you use it

- `nexs foo.xls3` – update spreadsheet

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# How you use it

- `nexs foo.xls3` – update spreadsheet
- `save; export csv; quit`

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# How you use it

- `nexs foo.xls3` – update spreadsheet
- `save; export csv; quit`
- type `'make'`; check `sample.html`

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# How you use it

- `nexs foo.xls3` – update spreadsheet
- `save; export csv; quit`
- type `'make'`; check `sample.html`
- type `'make install'`

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# How it works

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# How it works

- codes file format: **CODE,NAME**

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# How it works

- codes file format: CODE,NAME
- csv top row ,"total" ,,"hw2" ,"hw1"

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# How it works

- codes file format: CODE,NAME
- csv top row ,"total" ,,"hw2" ,"hw1"
- csv files format NAME,value,,value,value

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# How it works

- codes file format: CODE,NAME
- csv top row ,"total" ,,"hw2" ,"hw1"
- csv files format NAME,value,,value,value
- shell script transforms csv to html tables

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# How it works

- codes file format: CODE,NAME
- csv top row , "total" ,, "hw2" , "hw1"
- csv files format NAME,value,,value,value
- shell script transforms csv to html tables
- make – to remember what to do

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# At FSU

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# At FSU

- Set up script is based on the on-line roster

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# At FSU

- Set up script is based on the on-line roster
- Files in `~bellenot/gb/` are readable

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# At FSU

- Set up script is based on the on-line roster
- Files in `~bellenot/gb/` are readable
- also uses `paste`, `sed`, `awk`, `sort`, `uniq`, `head`

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# At FSU

- Set up script is based on the on-line roster
- Files in `~bellenot/gb/` are readable
- also uses `paste`, `sed`, `awk`, `sort`, `uniq`, `head`
- Each spreadsheet is a little different

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# At FSU

- Set up script is based on the on-line roster
- Files in `~bellenot/gb/` are readable
- also uses `paste`, `sed`, `awk`, `sort`, `uniq`, `head`
- Each spreadsheet is a little different
- Use email to get the codes to the students

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