Show and Tell – A work in Progress

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Goal

• Design a region in resource space as a destination for new and advanced users to find coding examples and ideas
• Create small html files that provide lists of “pockets” of materials by discipline
• Create sequences that reference a variety of open source problems that can be used as coding examples
• Create un-refereed lists of problems that people like – “Favorites” lists
Design

• Created as a separate Domain – Showntell
• “authors” are various topical areas, allowing co-author privileges to sets of discipline specific users as maintainers
• Using resource browser is a little bit awkward, but allows immediate viewing of source of problems using “Source Available” option

Suggested Topics for Basic Sample Problems

• Radiobutton Response (one of M)
• Optionresponse with and without concept groups
• Numerical Response
• Essay Response
• String response
• Ranking Response
• Matching Response
• Including Images
• Imageclick
• Exam Upload
Suggested Topics for Advanced Sample Problems

- Formatting numbers
- Formatting formulas
- Laying out a problem in creative ways (answer boxes embedded in text, aligning/centering, …)
- Multipart problems
- Multipart problems with hidden parts
- More Gnuplot examples
- Problems based on entered student data
- Problems using library files
- Using Applets with randomization
- Examples that change wording
- Advanced Formula Response
- Use of Style sheets
- Interfacing to other Apps - Excel, Java, Flash, …
- Using sound files

Caveats

- Want to make area fairly maintainable. None of us wants to be constantly updating material here.
- Ordering of elements awkward and directory structures very permanent.
- Need to be careful in initial organization to avoid painful reorganization later
Any Suggestions?

• Looking for sample problems with good quality code

• Looking for volunteers to maintain discipline-specific areas

Feedback Questions

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Problem

• Want to provide convenient and efficient forum for asking questions for quiz review
• Want these automatically graded (extra credit)

Solution

• Post a stringresponse question with a textarea instead of a textbox
• Grade correct as anything but white space
• Set answer date off long enough they think you actually grade these (which you can if you want)
• Gather responses using STATS