EZ Grader - Milestone III

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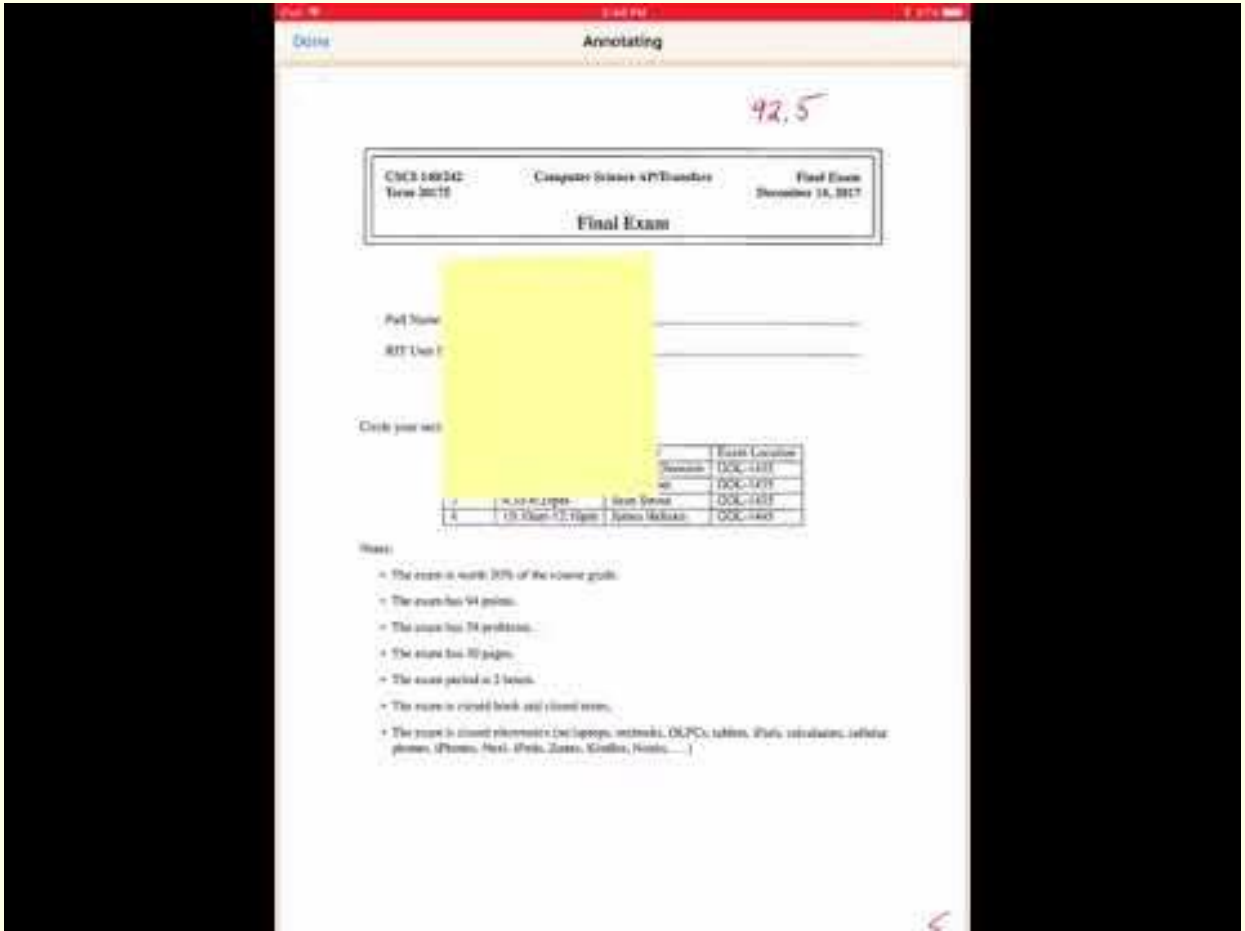
Navigation Bar Changes

- Using icons for free-hand annotation, text annotation, add grade, save buttons
- Displaying current activity in the navigation bar (i.e. Annotating, Adding Grades)
- Done button to take back to default navigation bar state
- Bolding selected PDF view mode (per student vs. per page)

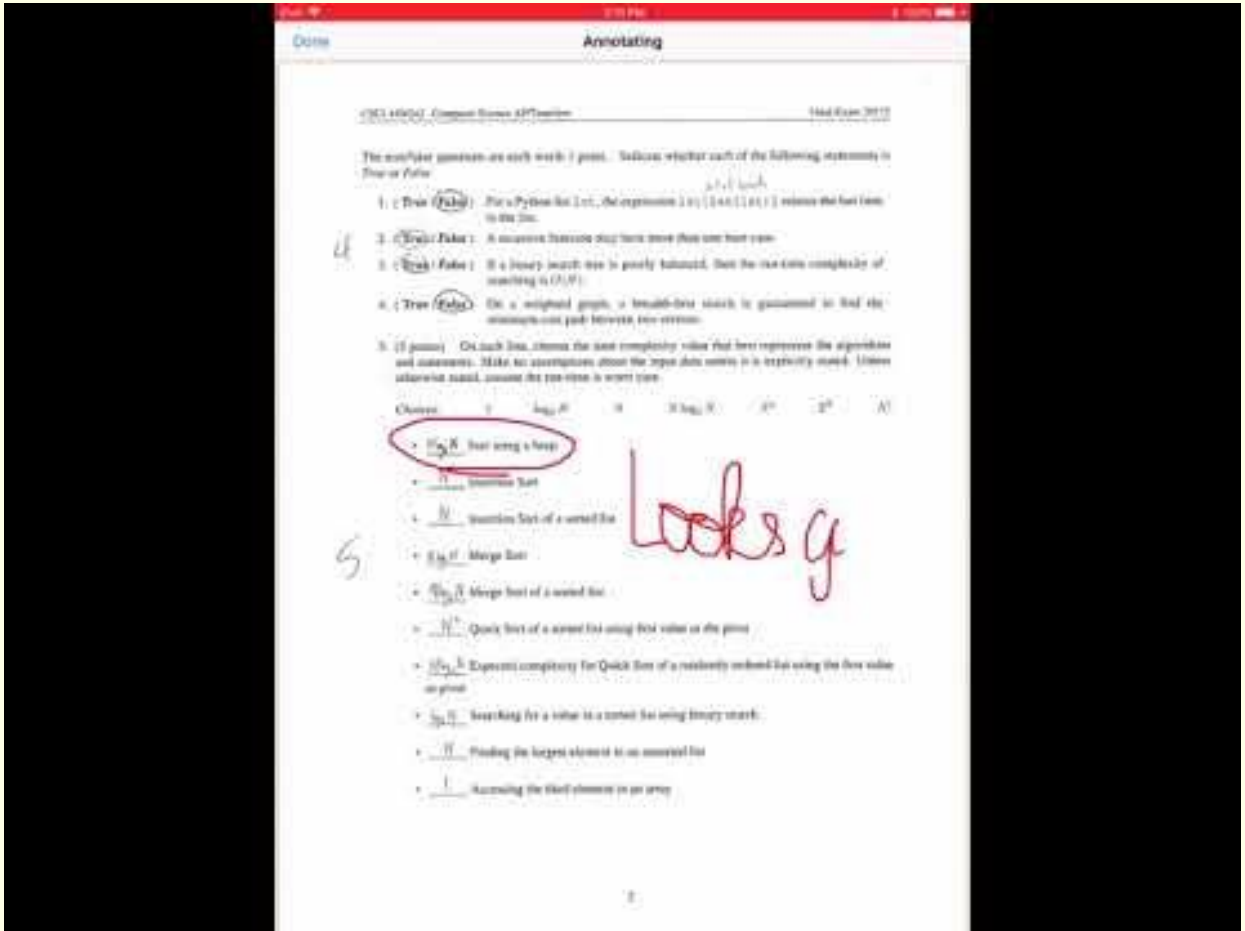
Navigation Bar Changes - Demo



Free-Hand Annotation Changes

- Previously you needed to touch the entire height and width of screen for annotations to be added to right place - you can just naturally draw now
- Ability to draw periods
  - On touch start - treat as period
  - On touch moved - no longer period
  - On touch ended - if period, draw something that looks like a circle
- Adjusted pen stroke width to look closer to true pen width and changed color to red

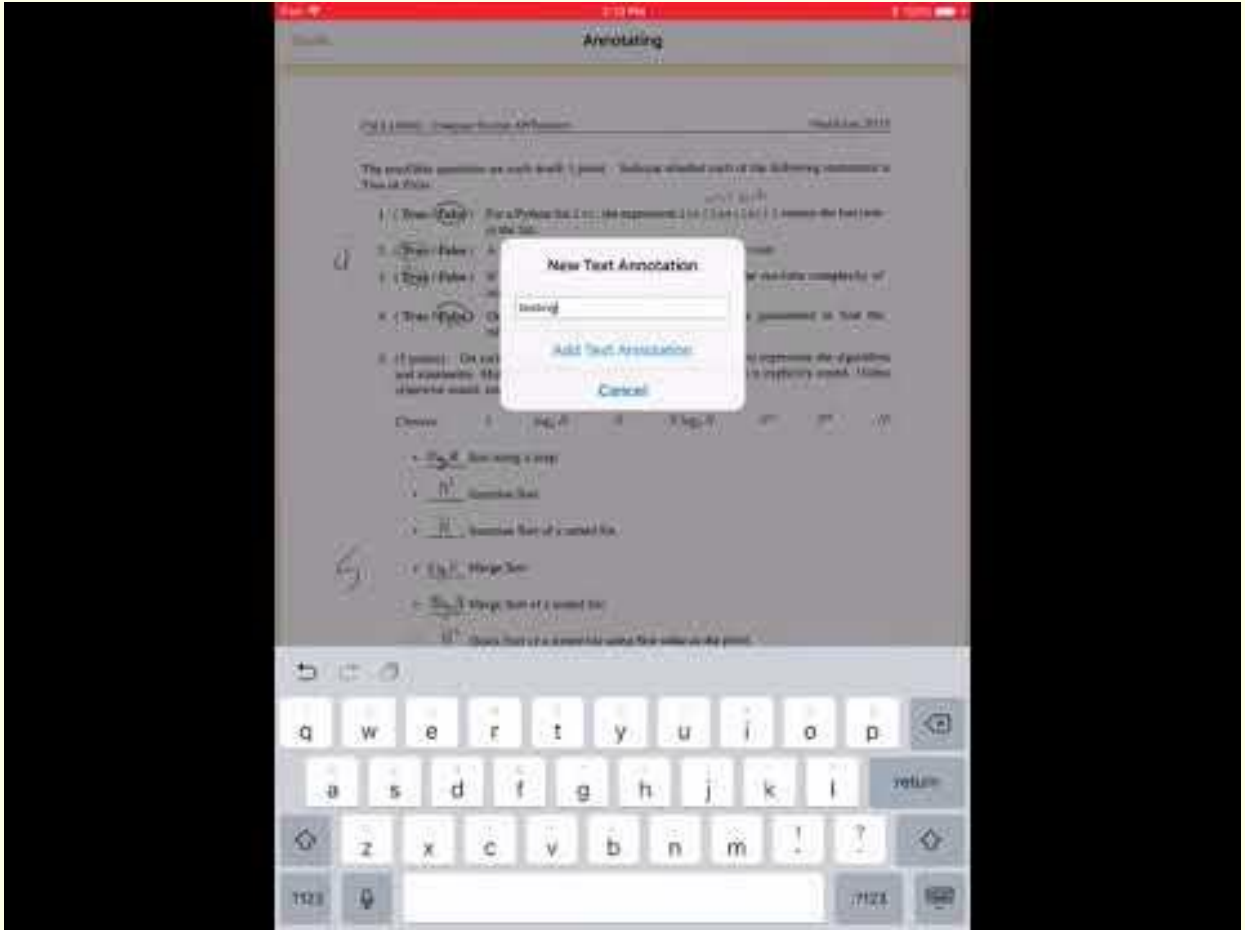
Free-Hand Annotation Changes - Demo



New Feature - Text Annotation

- Added ability to add keyboard input annotations

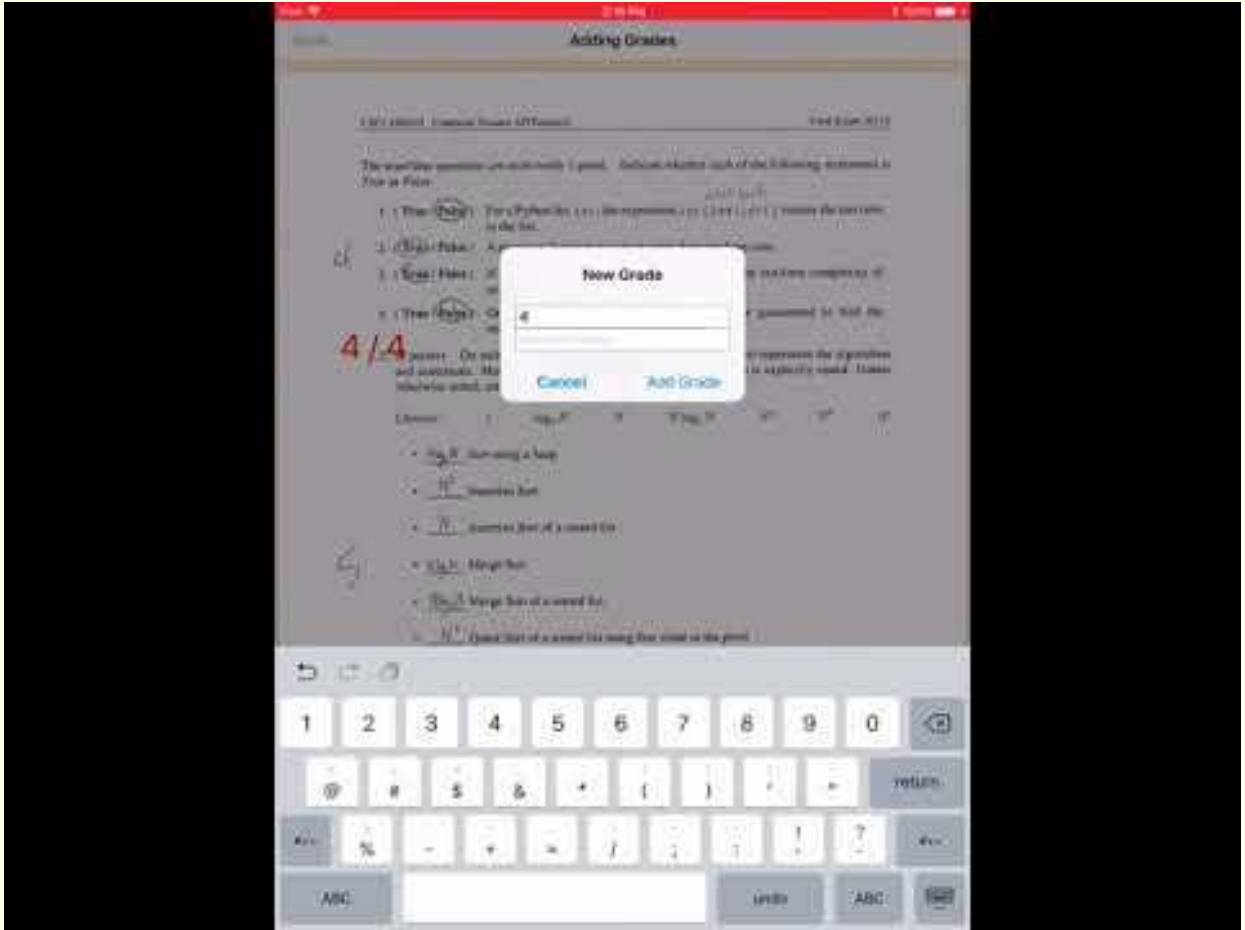
Text Annotations - Demo



New Feature - Adding Grades

- Added ability to add grades to pages
- Grade annotation is duplicated to the same location of the same page of other students

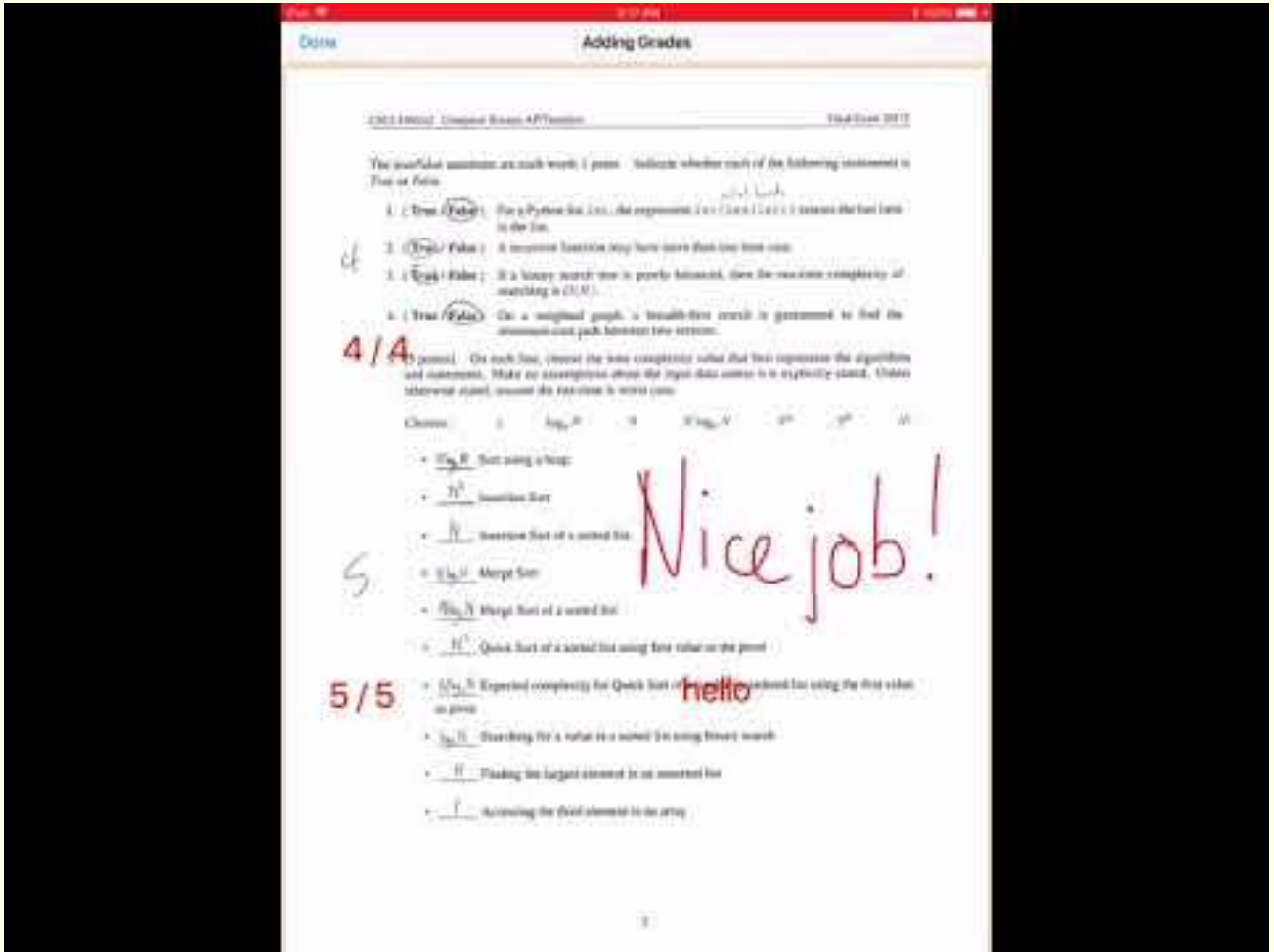
Adding Grades - Demo



Switching Between ‘Student’ and ‘Page’ Modes

- Initially each mode was a separate document - changes made in one mode did not reflect in another mode
- Now there is only one document
  - Switching between modes rearranges pages
  - Which means free-hand/text annotation, grades are preserved

Switching Between ‘Student’ and ‘Page’ Modes - Demo

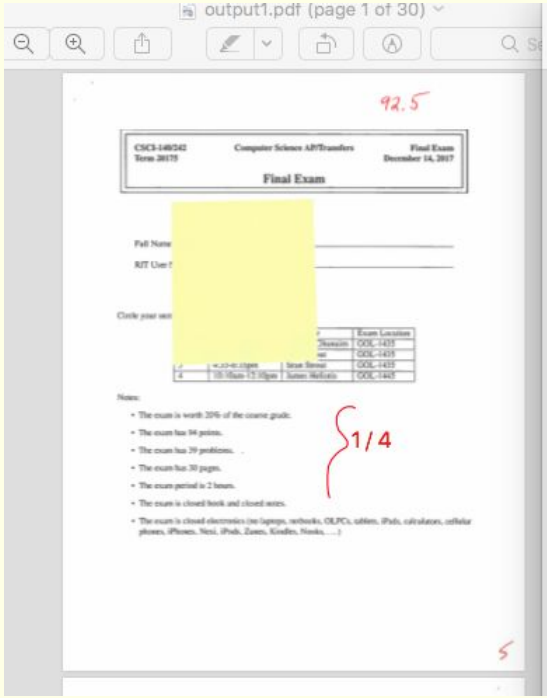


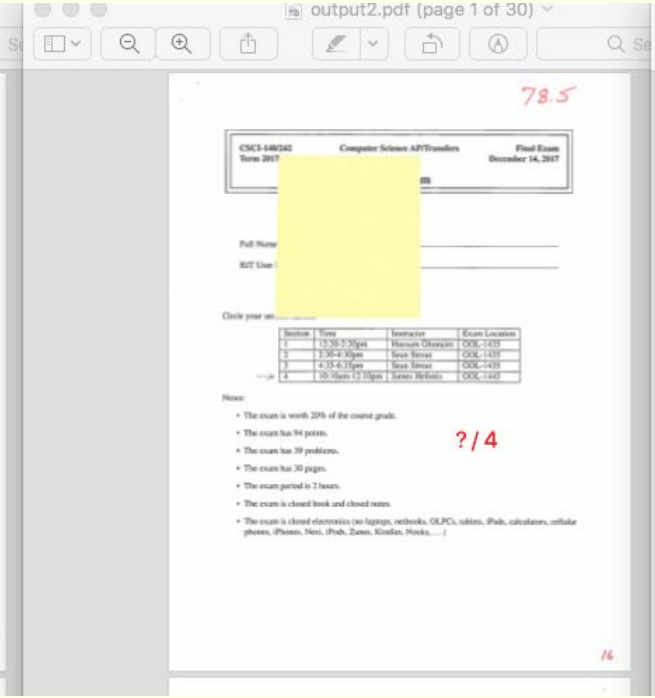
Saving

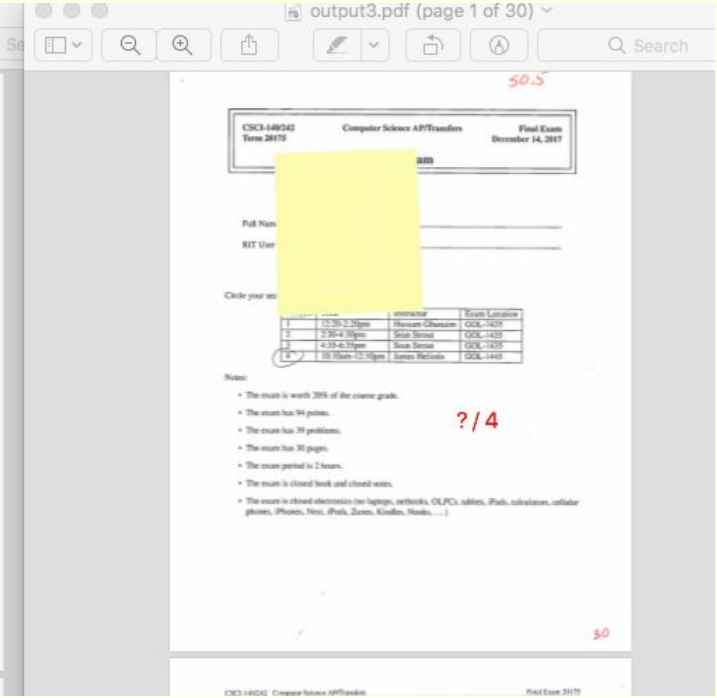
- Combined document split up into constituent student documents and each is saved as PDF with all of the annotations
  - Support from ‘Student’ and ‘Page’ modes

Saving - Demo

Saved PDFs


output1.pdf (page 1 of 30)
92.5
Final Exam
1/4


output2.pdf (page 1 of 30)
78.5
?/4


output3.pdf (page 1 of 30)
Search
50.5
?/4

Miscellaneous

- Error message displayed if PDFs to be graded have mismatching number of pages
- Added launch screen

Miscellaneous - Demo

Remaining Work

- Code Complete date - two weeks from today
- When saving, write out a .CSV file with all student grades
- Allow reading ungraded PDFs and writing out graded PDFs to iCloud
- Allow erasing free-hand annotations
- Allow editing/removing text annotations
- Allow editing/removing grades
- Maintain user location when switching between ‘Student’ and ‘Page’ modes

Questions?