

Penn Course Review Android Application - Second Iteration Report

CIS350 - Software Engineering & Design

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Project repository: <https://github.com/jinatonic/Penn-Course-Review-Mobile-Beta>

- List of user stories completed in this iteration:
 - User wants to see all reviews for a given department - completed with UI and sorting **(2 points)**
 - User wants to see course reviews taught by a specific instructor - views page of reviews for all past offerings of the course. **(2 points)**
 - User wants to sort reviews by a Instructor Name, Course ID, or semester, either decreasing or increasing - this completes all of the sorting algorithms. **(2 point)**
 - Autocomplete - finished formatting the autocomplete - functions correctly **(2 points)**
 - Loading bar/circles - User will see a loading bar when autocomplete is first downloaded and when it is retrieving search results from internet/cache **(1 point)**
 - Start Page - User will see a start page with Search, Favorites, or Recent option icons **(0.5 points)** - favorites is not implemented yet
 - Icon - customized icon as seen on phone's app menu or homescreen **(0.5 points)**
 - Menu - when the user presses the Menu button on the Android, they can retrieve Recent search queries **(1 point)**
 - Caching - finished caching search results for instructor and departments **(1 point)**
- Calculation of project velocity (if less than three points per person, explain why):
 - project velocity: 12 points / iteration
- For user stories that were planned but not finished, explain why:
 - We ended up not finishing the toast display for detailed information on a selected row. The reason is that we realized that the display structure we are currently using for the result page is not optimal for displaying/formatting/selecting. Thus, at beginning of next iteration, we are planning to refactor the code at beginning of third iteration. After that, we will add the detailed information for selected items. (Note: refer to issue stated below regarding TableView and ListView)
- Describe any known bugs in the application, and how we plan on fixing them:
 - Cannot search for e.g. "cis 121" - can't insert spaces between search terms for courses (for now).

- For any untested code, explain why:
 - We have tests for most of our backend, database, and support classes. We do not have tests for the actual activities because most of the functionalities the external activities use are dependent on these support classes, which we are already testing. We will probably end up adding tests for our main Activity class (SearchPage) for the next iteration because we are adding more and more functionality into that class.
- If there are any issues that need to be resolved before the third iteration (technical or personnel), describe them here:
 - Penn Key Login
 - intercepting touch events on a ScrollView -- may change to use ListView instead of TableView