CIS 350 – Customer Handoff Document – Penn Study Spaces Blue Team

User Manual

Figure 1: Filter Options Menu

The app starts out with a splash screen that can be tapped on, which then leads to the filter options menu shown above. Here, you can select the number of people in your group, the start time and end time of your meeting, the date as well as other utilities such as computers and projectors. Finally, you can filter rooms by Wharton/Engineering/Libraries and Others.

Note: time defaults to half an hour from the current time, date defaults to today.
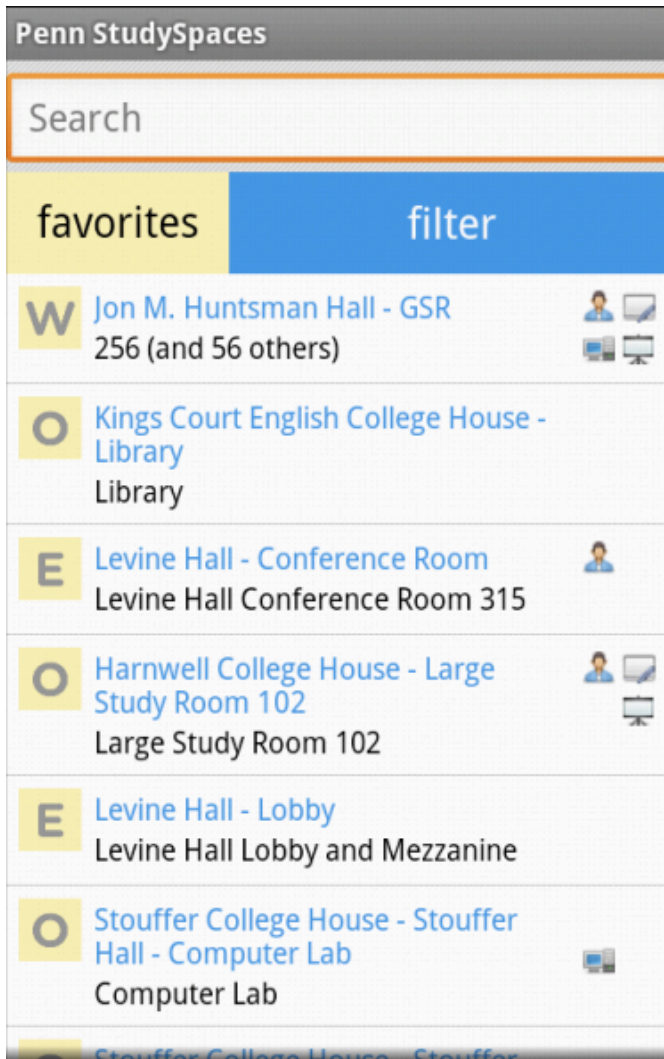
Figure 2: Study Spaces List

Next, you are taken to a screen that displays all the study spaces that meet your search criteria. Clicking on an space will take your to the space's individual page with detailed information, shown later. There is also a favorites tab that maintains a record of your favorite study spaces. The search bar on top can be used to filter the spaces by keyword, the filter happens in real-time. Filter takes you back to the screen shown on Figure 1.
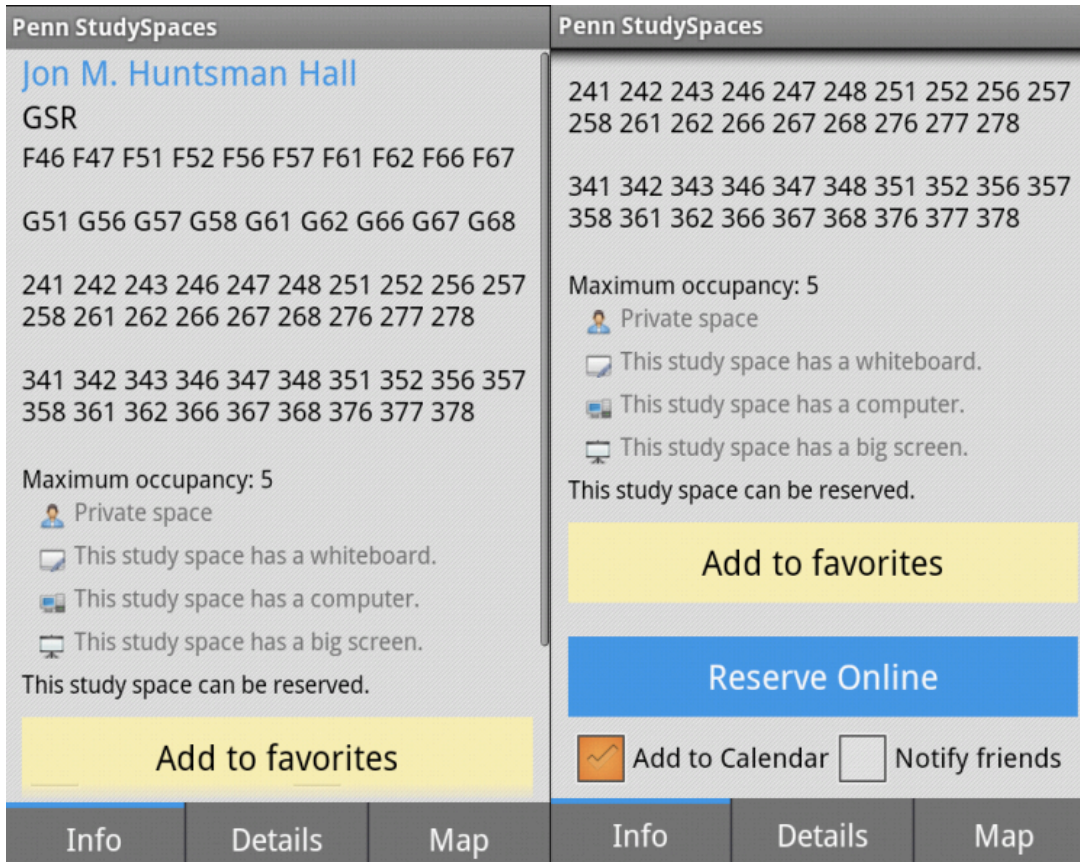
Figure 3: Individual Space "Info" Page

Clicking on a study space's tile in the list menu takes you to the individual page. This page provides information regarding the space's maximum occupancy, its utilities as well as whether it can be reserved. From this page you can add the space to your favorites tab. Scrolling down brings up the options to "reserve online," "add to calendar," and notify friends. If the space can be reserved, clicking the reserve online link takes you to the relevant reservation page in your browser. The "add to calendar" option creates an event with the space info and the designated time/date you set, and the notify friends button generated a text message with the information; all you have to do is select your friends from the contacts list. These three features will happen sequentially, so once you click reserve online, you will be taken through the appropriate screens one at a time.

Figure 4: Individual Space "Details" Page

The details tab provides a picture + description from an internal database we created for the class, if its available for the study space. Below that, you have a button to check-in at foursquare, which takes your to the foursquare app if installed on your phone or takes you to the foursquare website otherwise. Below that, you can see the tips other people have posted for that study space!

The map tab at the bottom displays a map with your location and the spaces location, and each can be tapped upon to retrieve the address of the study space.
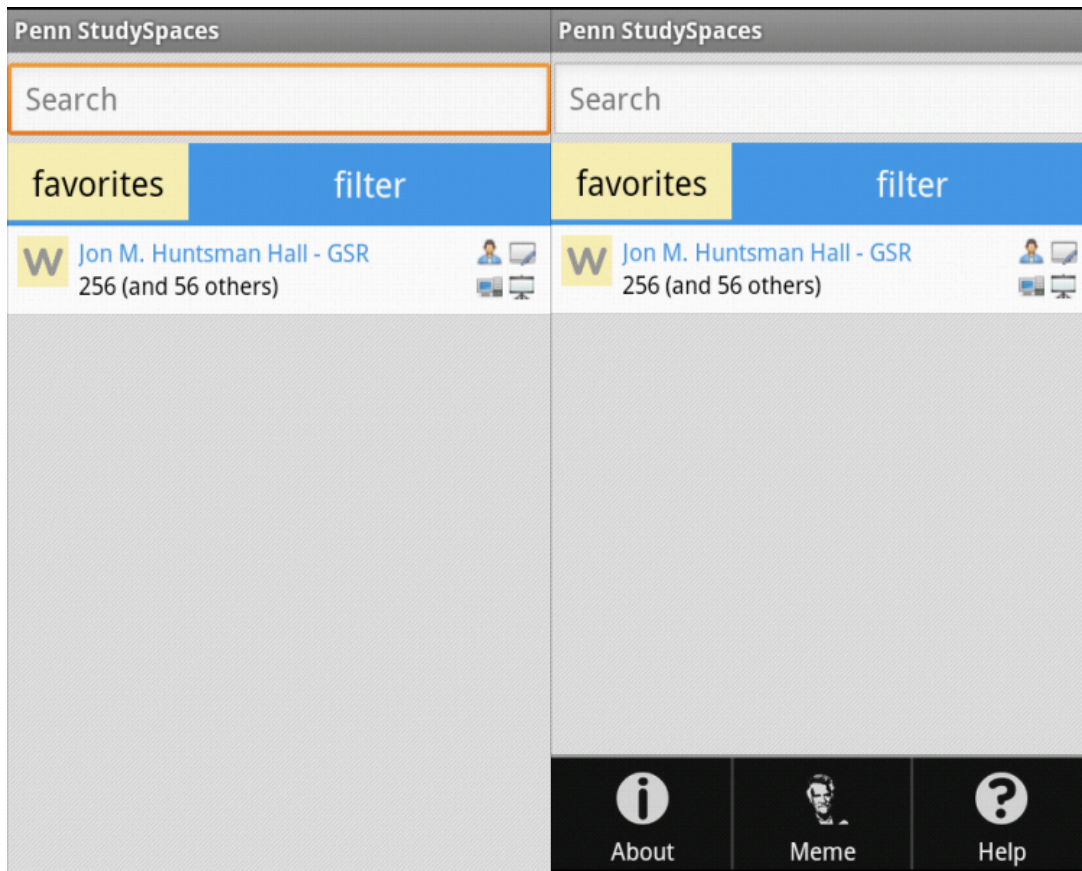
Figure 5: Favorites Tab and "menu" press

The favorites tab contains a list of spaces that you have marked as your favorites. To remove, tap into the space and click the button that says "unfavorite." Filter, as before, takes you back to the screen shown on Figure 1.

To the right is what shows up when you press the "menu" button on your phone.

Penn StudySpaces

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This app was created to complement the PennStudySpaces website.

All data is provided by PennApps Labs and the creators bear no responsbility for any information contained in this app.

For assistance, please contact (732)-995-5452

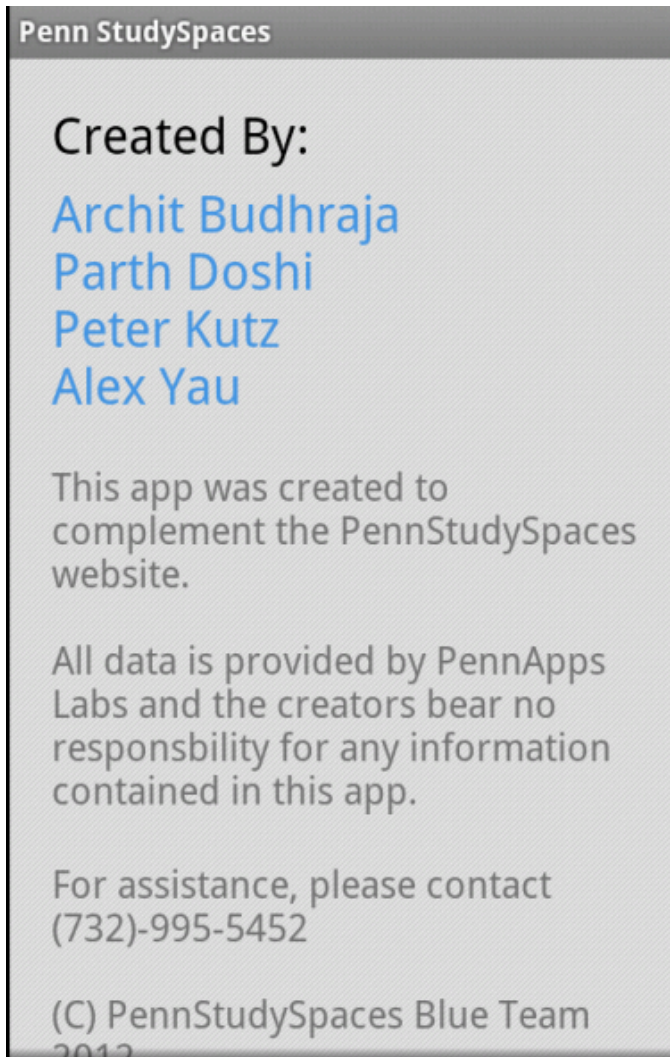(C) PennStudySpaces Blue Team 2012

Figure 6: About Page

This page provides information regarding the developers of the app, who to contact in case you need help (Zach, of course), and limits our liability for the contents of the app.
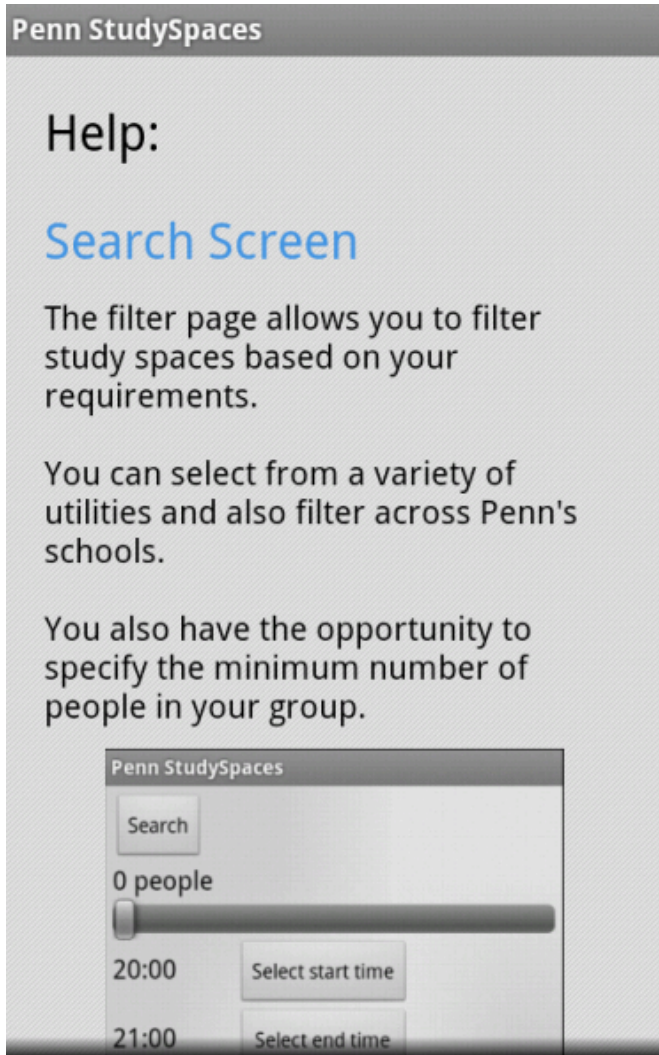
Figure 7: Help Page

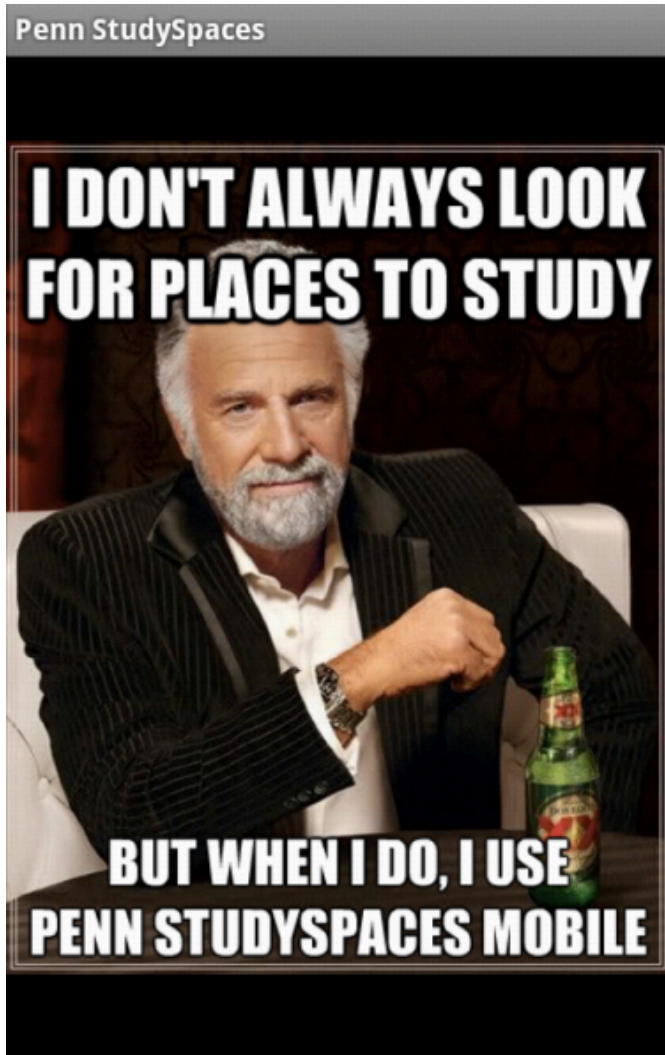The help page is a brief version of this user manual in a layout suited to the phone.

Figure 8: Meme Page

And finally, a meme to remind you of how awesome our app is!

Technical Documentation

Note: we use the org.json library (http://www.json.org/java/)

Each figure above is controlled by the following activities and supported by the helper classes listed below.

Splash Screen (not pictured): SplashScreen.java

Figure 1 (Search Options): SearchActivity.java uses SearchOptions.java (to set/get the search options for the user)

Figure 2 (Study Spaces List): StudySpaceListActivity.java uses APIAccessor.java (to pull data from the PSS API)
        - Tested with StudySpaceListActivity.java

For the next three figures, main activity is StudySpaceDetails with each as the fragment

Figure 3 (Info Tab): TabDetails.java

Figure 4 (Details Tab): TabFoursquare.java uses SpaceInfo.java (for custom description such as the one seen in the Huntsman above)

Maps Tab (not pictured): CustomMap.java

Figure 5 (Favorites Tab): StudySpaceListActivity.java uses Preferences.java (to retrieve stored preferences for our user).
        - Tested with PreferencesTest.java

Figure 6 (About): About.java

Figure 7 (Help): Help.java

Figure 8 (Meme): Meme.java

Room.java can be instantiated to maintain the availabilities of the room and filter by that information.
        - Tested with RoomTest.java

StudySpace.java is used to create objects to pass between classes and to manipulate in the filter page, they contain all the information about a relevant Study Space.
        - Tested with StudySpaceTest.java