

Requirement - 20180430

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1 Background

The requirement in the paper:

The combination of this filter, plus the collaborative bias might result in a reasonable recommendation for what still needs to be completed that can serve as an interim feature while we seek access to the personalize **Academic Plan Review (APR)** campus system that would allow the service to achieve the full personalized degree requirement tracking, request number 6 in Table 10[\[1\]](#). (p23)

2 Approach

2.1 Procedure

1. Add the table in database if the table doesn't exist.
2. Add Flask backend service to support the database query.
3. Add NodeJS route to get the data from backend and support the request of ARP.
4. Add the Angular method in front end to raise a request.
5. Add the view file to show the APR.

2.2 Database Table Design

Since I do not have the database permissions yet, I can not design the table. Or maybe these data should be taken from a special system in school, do not need to store.

2.3 View

Course Exploration

Explore personalized course information based on historic enrollments

Explore based on:

- ☐ Courses Other Students Like You Have Taken
- ☐ Subject Interest
- ☐ Subject Disinterest

Search Courses

Filter by:

- ☒ Major/Minor's Requirements (Experimental)

Major(s):

African American Studies

+ Add Another Major

Minor:

African American Studies

May add a APR drop down list here

- ☐ College / Division / Department
- ☐ Registrar's Recommendation List
- ☐ Only Show Courses with Open Seats

3 Appendix

3.1 Table 10 Quotes (student feature requests)

1. Explanation as to why the classes are similar to the ones the student has taken
2. Would like AskOski to be able to create a visual instead of just a table of courses and similarities, maybe like a mind-map with colors would be nice.
3. Wish the suggested courses were linked to descriptions of the suggested courses so that we could verify for ourselves how similar these courses are.
4. User profile: Allow more than 1 major in profile.
5. Having to select a department and a subject is somewhat redundant.
6. **To see how close we are to completing major prereqs. Since the system has our major and our class history, that checklist would be nice.**
7. Could just select a subject/department and just see a list of classes in that department. Sometimes people don't know all of the classes they want to take.