

Course Assignment System

Summary

One of the prime difficulties in scheduling classrooms for courses is to assign timings and locations in coherence with the preferences of the professors. On a number of occasions, difficulty arises due to unavailability of enough classrooms for the particular time slot. Therefore, a number of professors may end up being assigned courses with class schedules that might not be suitable for them. The course assignment project has been envisioned to tackle this problem. The project has the following objectives:

1. To provide an easy way to collect location and time slot preferences from various professors.
2. To provide an efficient solution to the problem of scheduling the timings and locations for the classes keeping the various preferences in consideration.

The project aims to accomplish the above objectives using Ruby on Rails framework.

Team Roles

Scrum Master: Sibi Rajendran

Product Owner: Aqib Bhat

Other team members: Abhishek Vinod Kumar Joshi, Purvesh Karkamkar, Cameron Smith, Minav Suresh Patel

Customer meeting date

Nov 13th, 2015, 4 PM

Changes to User Stories

Change: New user stories added

Reason: The below user stories were added as they were critical for the progress of the project.

Feature: *Add a conflict checker page*

As an admin of the Course Assignment System

So that I can make make decisions quicker

I want to see the possible conflicts in preferences given by faculties

User Stories not implemented

Feature: *Add a preference selection page for the faculty*

We had chosen the above feature for this iteration. The assigned member (Sibi) had some difficulties understanding the database and it took time clearing the basic obstacles. Also, there were a few suggested changes from the user that had to be incorporated hence pushing it to the final iteration.

User Stories completed

Feature: *Add a conflict checker page*

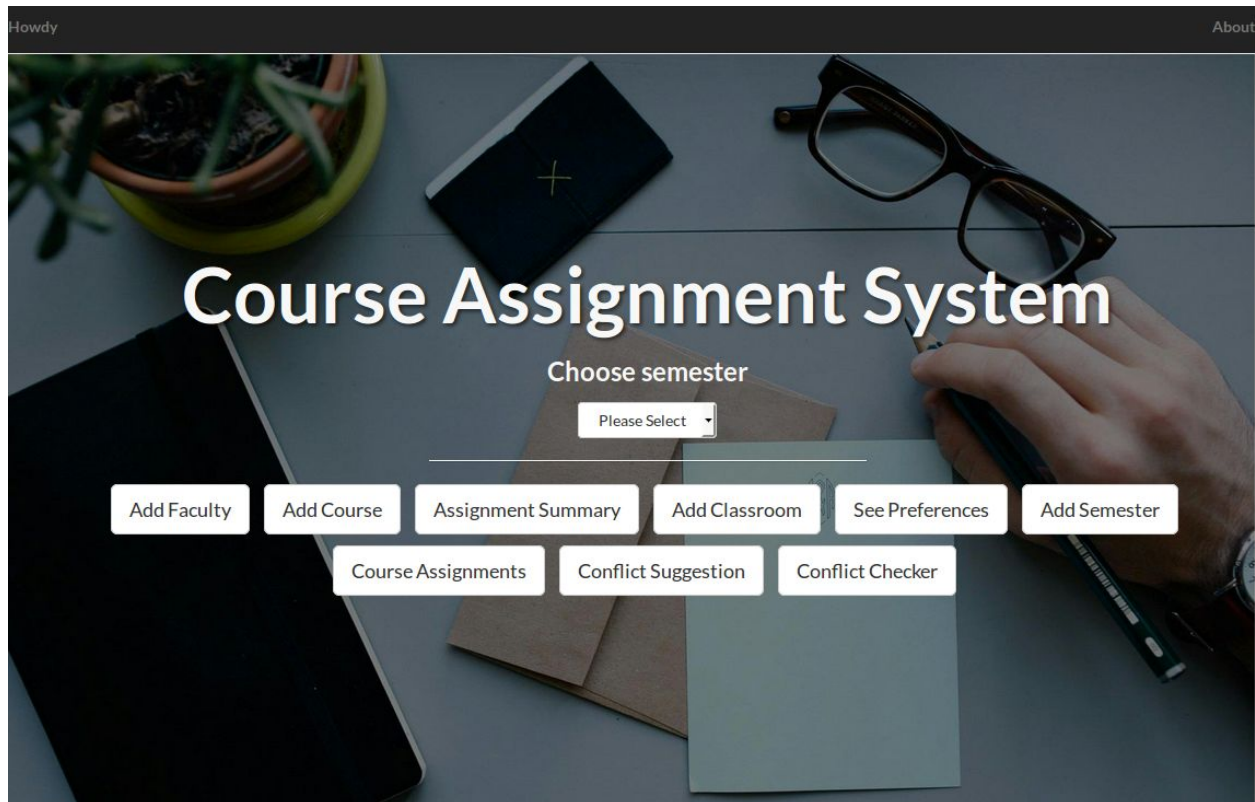
Other changes

UI of homepage modified.

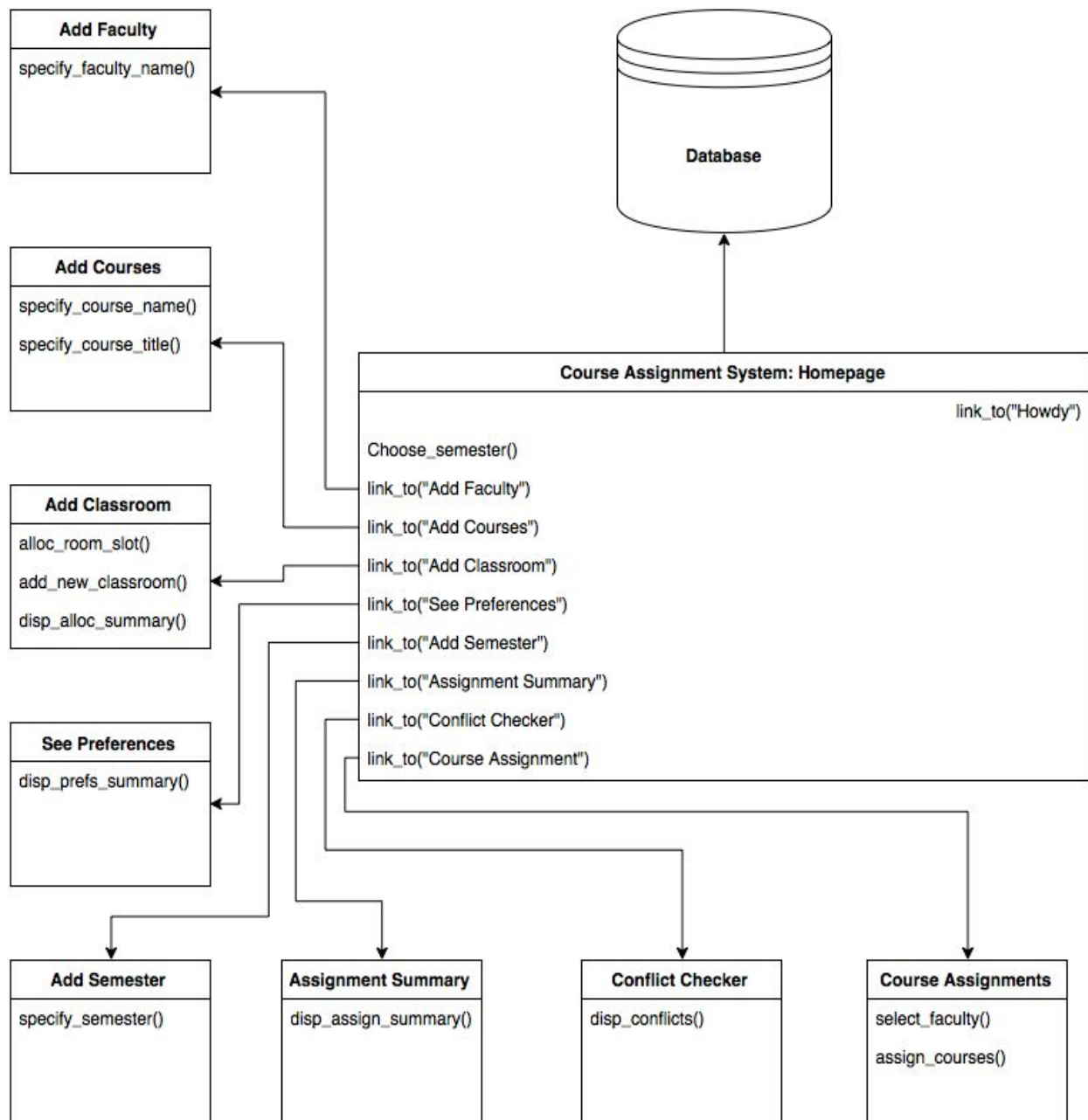
Capacity added to classrooms.

Semester column added to all tables.

Modified User Interface



Design Diagram



Pivotal tracker

<https://www.pivotaltracker.com/n/projects/1437040>

Heroku portal

<http://course-assignment-system.herokuapp.com/>

Github Repository

<https://github.com/minav90/Course-Assignment-System>

Customer Feedback

- Make the home page UI better by classifying the various links under different categories (Add, Summary etc.)
- Show course number in the assignment and summary pages.
- Minor UI changes in assignment page - If a particular time slot is assigned, it shouldn't appear again in the time slot.
- Suggested changes in requirements of the faculty preference selection page

Effect on iteration 4

- Add a faculty preference page where faculty would give their preferences.
- The database tables minor be altered to accommodate some of the feedback.
- UI changes to make things more user friendly and neat.