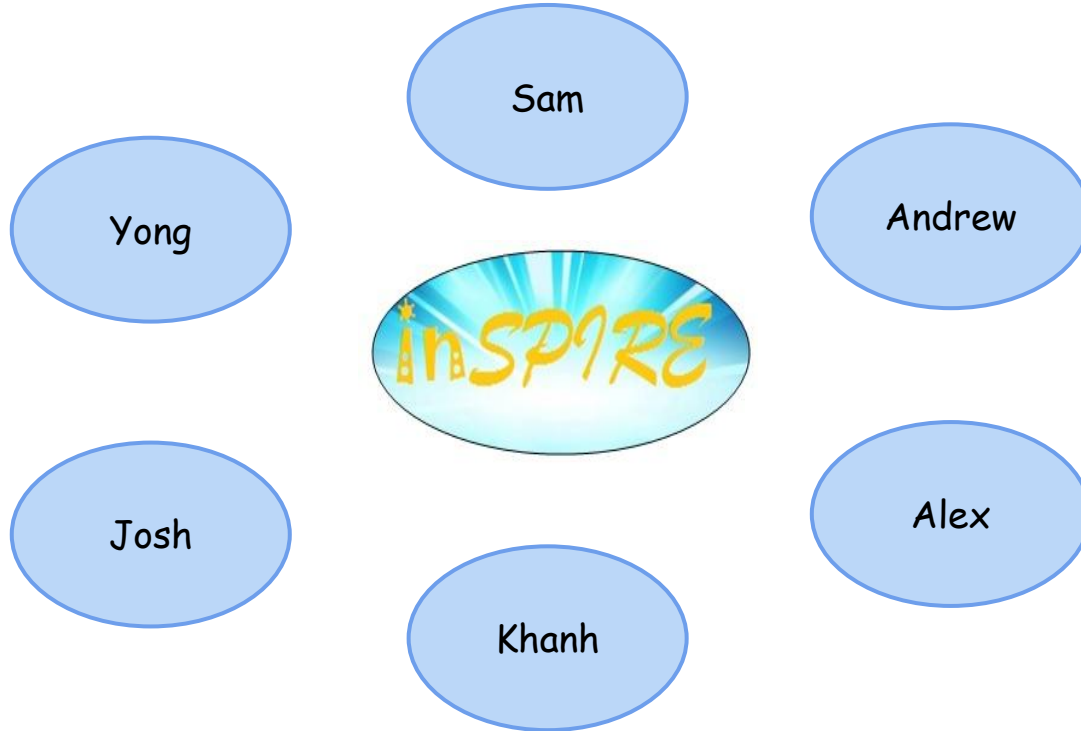


inSPIRE

A TRAIL FOR SUCCESS!

Hi, we are...



Are you happy?



SPIRE...

Enter Search Criteria

[Class Search Tips](#)

U. of Massachusetts Amherst | Fall 2014

Select at least 2 search criteria. Click Search to view your search results.

[Return to Shopping Cart](#)

[CLEAR CRITERIA](#)

[SEARCH](#)

Class Search Criteria

Course Subject

Course Number

 is exactly

[What is a Course Number?](#)

Course Career

☒ Show Open Classes Only

Session

[What is a Session?](#)

Class Number

 (example: 12345)

[What is a Class Number?](#)

Meeting Time

 between and (example: 1:00PM)

Day of Week

 include only these days

☐ Mon ☐ Tues ☐ Wed ☐ Thurs ☐ Fri ☐ Sat ☐ Sun

Instructor Last Name

 begins with

Course Title Keyword

 (example: statistics)

Course Component

Gen Ed Category

RAP/TAP/HLC

[What is RAP/TAP/HLC?](#)

Class Attributes

Mode of Instruction

Hmm, just a "FEW" things to fill in.

I have to open another tab to see my requirements.

SPIRE...

Academic Requirements Report

U. of Massachusetts Amherst | Undergraduate

This report last generated on 10/16/2014 8:45PM

[collapse all](#) [expand all](#) [view report as pdf](#)

☐ Taken ☐ In Progress ☐ Planned

[How to read your Academic Requirements Report](#)

[Entry Term Information](#)

[University Graduation Requirements. SEE NOTES BELOW IF REPEATING A COURSE NOW.](#)

Not Satisfied: 1. University Graduation Requirements. SEE NOTES BELOW IF YOU ARE CURRENTLY REPEATING A COURSE. (rg46)

▶ ****No more than 18 units of practica ('98 numbers) count toward the 120 units****

▶ 1. 120 units to graduate. [See repeat warning below.]

Not Satisfied: 1. 120 units to graduate. In-progress courses do not count in this total. [If you are currently repeating a course for the first time, any units you earned for that course previously will NOT appear in this total. If you have already repeated the course two or more times, any units you earned for that course previously WILL appear in this total.] (r207,ln10)

- Units: 120.00 required, 101.00 taken, 19.00 needed

▶ 2. A 2.0 Overall GPA. [SEE REPEAT WARNING BELOW!]

▶ Limit of practicum units--Do not appear in total

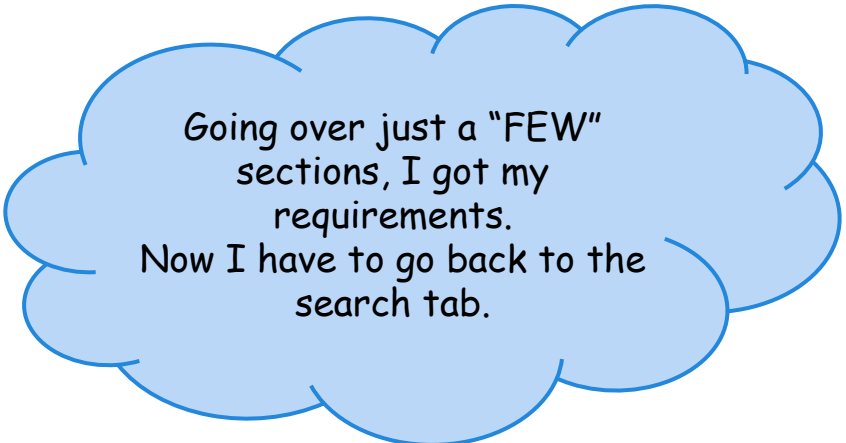
▶ 3. 45 units in residence

▶ 4. 54 graded residence units

[General Education Requirement Student Group](#)

[General Education Requirements as of Fall 2010](#)

Not Satisfied: II. General Education Requirements as of Fall 2010. (md381)



Going over just a "FEW" sections, I got my requirements. Now I have to go back to the search tab.

SPIRE...

Class Search Criteria

| | | |
|----------------------|---------------------------|--|
| Course Subject | <input type="text"/> | |
| Course Number | <input type="text"/> is | What is a Course Number? |
| Course Career | <input type="text"/> | |
| Session | <input type="text"/> | Session? |
| Class Number | <input type="text"/> | Class Number? |
| Meeting Time | <input type="text"/> betw | Meeting Time? |
| Day of Week | <input type="text"/> incl | |
| Instructor Last Name | <input type="text"/> beg | |

Course Title Keyword (example: statistics)

Course Component

Gen Ed Category

RAP/TAP/HLC [What is RAP/TAP/HLC?](#)

Class Attributes

Mode of Instruction

Now I have to select "Computer Science" from a long list... It starts with C so keep scrolling down... **Why can't I just type it in? Does SPIRE have any idea that I am a CS major? etc.**

SPIRE...

Class Search Criteria

Course Subject

Course Number [What is a Course Number?](#)

Course Career

Session [Session?](#)

Class Number [Class Number?](#)

Meeting Time (00PM)

Day of Week

Instructor Last Name

Course Title Keyword (example: statistics)

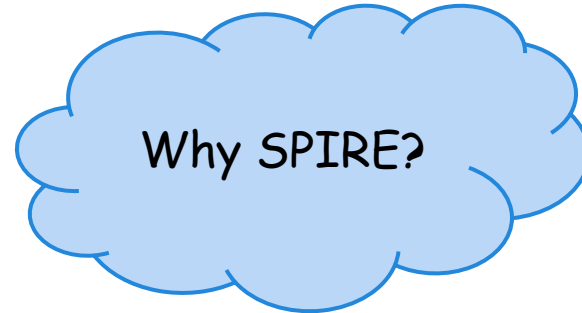
Course Component

Gen Ed Category

RAP/TAP/HLC [What is RAP/TAP/HLC?](#)

Class Attributes

Mode of Instruction



inSPIRE

- A class **timeline** application!
- Students can **select and display** the classes needed to complete their degrees.
- School/department admins can **modify** classes's pre-reqs relationships.

Even more...

Social network!

- Students can publish their class histories and plans on other websites, or as a link on their resume.
- Comment/rate classes.
- 3rd party companies and employers use a student's profile on our website in place of "transcript".

User cases - Joe

- Computer science major at UMass Amherst
- Very busy
- Forgot to register for courses...
- He needed to do it quickly!
- Thanks to **inSPIRE**, he could quickly compare the list of courses on the website. Being able to see all of these info on one convenient page will saved Joe time and help him get in class before those pesky freshman got a chance to register.



User cases - Richard

- A Umass alumni.
- Project Manager at NASA.
- Looking to hire another Umass graduating students.
- He went to inSpire, filtered anyone taken the CS600-Advance Algorithms course.
- Enlisted 5 graduating seniors with excellent grades.
- Sent each an interview offer.
- Done!



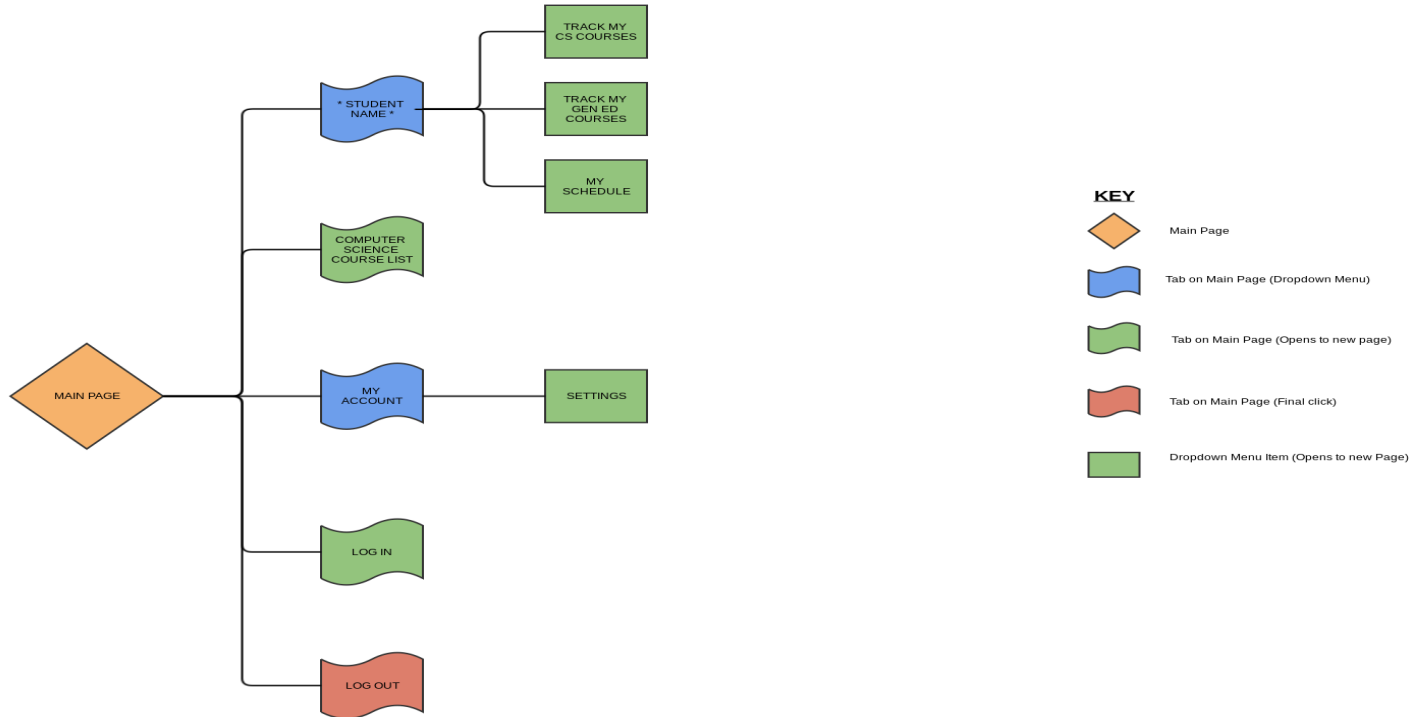
Non-goals

High levels of Security - easy-to-use, no large security implementation will be used.

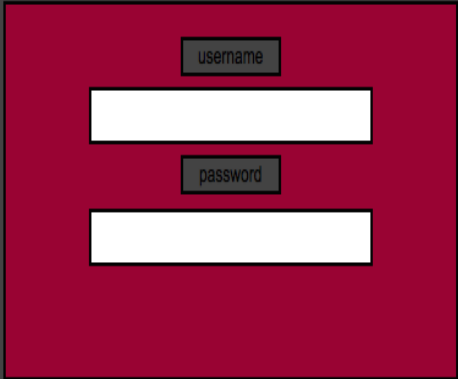
Implementing every major - Take a lot of time but just repeat implementations.

ratemyprofessor.com version 2.0 - No, already been done! We don't want to end up in any hot water.

UI - Site structure



UI - Login



A login form with a red background and a dark gray border. It contains two input fields: 'username' and 'password'.

- Admin and user/employers see when logging on.
- Input username and password.
- Redirected back if they fail to login.
- Otherwise, redirected to the mainpage with their specialized views.

UI - User main page

| my classes | gen ed requirements | | | | | courses | sign out |
|--------------|---------------------|--------------|---------------|---------------|---------------|---------|----------|
| semester 1 | semester 2 | semester 3 | semester 4 | semester 5 | semester 6 | | |
| course taken | course taken | course taken | find a course | find a course | find a course | | |
| course taken | course taken | course taken | find a course | find a course | find a course | | |
| course taken | course taken | course taken | find a course | find a course | find a course | | |

- Default page that all users see.
- Navigate to classes, gen ed requirements, course database, and log out.
- Also display courses have been and being taken.
- Quick and easy way to search for new courses.

UI - Admin main page

| X | | | | | |
|---------------------------|---------------|---------------------------|----------------------|-------------------|----------|
| Class Name | Course Number | Prerequisites | Semesters Offered | Students Enrolled | Capacity |
| CMPSCI110 | 17623988 | N/A | Fall, Spring | 25 | 25 |
| CMPSCI130 | 27836920 | N/A | Fall | 77 | 100 |
| CMPSCI187 | 78921609 | N/A | Fall, Spring, Summer | 12 | 50 |
| CMPSCI220 | 90281726 | CMPSCI187 | Fall, Spring | 23 | 25 |
| CMPSCI230 | 73222783 | CMPSCI187 | Spring | 2 | 50 |
| CMPSCI240 | 10011928 | CMPSCI187 | Fall, Spring, Summer | 27 | 50 |
| CMPSCI250 | 29001223 | CMPSCI187 | Fall | 20 | 25 |

- For an administrators
- Visualize content of the database.
- Add/Adjust course relationships.

UI - Course enrollment

The UI mockup features a dark red background with white text and buttons. At the top, there is a search bar with a magnifying glass icon, a 'Search' button, and a 'Search By...' dropdown. Below the search bar, there are four main sections: 'Scheduled Courses', 'Watchlist', 'Enrolled', and 'Suggested'. Each section contains a table of course information with an 'Enroll' or 'Add' button.

| Scheduled Courses | | | |
|----------------------------|--------|----------|--------|
| CMPSCI 220 | Open | Not Full | Enroll |
| CMPSCI 230 | Open | Not Full | Enroll |
| CMPSCI 240 | Closed | Full | Enroll |

| Watchlist | | | |
|----------------------------|--------|----------|--------|
| CMPSCI 311 | Closed | Not Full | Enroll |
| CMP 326 | Open | Not Full | Enroll |

| Enrolled | |
|----------------------------|------|
| CMPSCI 187 | Drop |
| CMPSCI 100 | Drop |

| Suggested | |
|----------------------------|-----|
| LIT 340 | Add |
| CMPSCI 210 | Add |
| PHIL 400 | Add |
| ANTHRO 200 | Add |

- Live portal accessed during course enrollment time.
- Show scheduled courses.
- Add different courses to a dynamic watchlist on the fly.
- Suggest courses based on user's profile.
- Easy-pull-down search bar: add or enroll in those courses without navigating away from the page.

UI - Calendar

| | | Semester: Fall 2014 | | Click Blank Tiles to Add Comment | |
|-------------------|---|--|--|--|---|
| Day Time Block | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:00 AM | | CMPSCI-220-L 8:30-9:45 Herter Hall 227 | | CMPSCI-220-L 8:30-9:45 Herter Hall 227 | |
| 9:00 AM | | | | | |
| 10:00 AM | | | | | |
| 11:00 AM | | | | | |
| 12:00 PM | | | CMPSCI-250-D 12:20-1:10 Engineering Lab 323 | | |
| 1:00 PM | CMPSCI-250-L 1:25-2:15 Hasbrouck Add 126 | | CMPSCI-250-L 1:25-2:15 Hasbrouck Add 126 | | CMPSCI-250-L 1:25-2:15 Hasbrouck Add 126 |
| 2:00 PM | | | | | |
| 3:00 PM | | | | | |
| | | | | | |

- View and interact with schedule.
- Add events to the calendar, such as club meetings, and genEd classes.