

# **Course Schedule Planning Portal**

Rafi Khaled



# Purpose

- **Make course registration easier**
  - **For students:**
    - **See all courses (both taken and currently taking) in one place**
    - **Check ability to take a new course (requisite satisfaction)**
    - **Plan course schedule for next semester and for the future**
  - **For faculty:**
    - **Check if all students in a class have requisite satisfaction**
    - **Check if a specific student has requisite satisfaction for a specific course**



# Tech Stack

- **Meteor**
  - Really cool
  - A free and open source JavaScript web framework written with Node.js
  - MongoDB and upcoming support for SQL
  - Mocha/Chai for testing [ I didn't get there yet :-( ]
  - Built in reactivity
  - Building everything with one simple command
  - Super fast prototyping and testing (!)
  - Awesome packages on Meteor's very own repo (Atmosphere) but also npm integration
- **Selenium and Webdriver.io**
  - Browser automation to retrieve Ask Banner Data

A blue geometric graphic consisting of several overlapping triangles and polygons, located in the top-left corner of the slide.

# Auth

**Currently using Ask Banner's authentication**

**The server machine fetches Ask Banner data for the given 999 number and PIN and displays it/uses it for the client's page**

**Plans to make a toy course trading module (students can exchange courses with each other *after logging in with Vassar Google Account*) but that's low priority so it probably won't happen**

A blue geometric shape, resembling a stylized arrow or a corner piece, is located in the top-left corner of the slide.

# **Database design**

**I have diagrams, but they aren't nice**

**I did not have time to implement SQL database, but I used Mongo to store course wishlist data**