ScheduleCMU.org

Pre-Proposal



1. Introduction

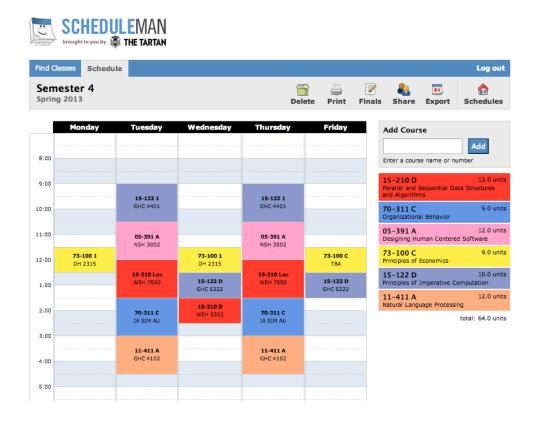
Mobile devices, more specifically smartphones, are ubiquitous nowadays, and typically serve as one's secondary computer. However, mobile web browsers do not have all the features of a desktop web browser and often webpages are not rendered in a pleasing or functional format. We aim to develop an app that allows schedules to be created and viewed as easily on your mobile device as on your computer.

Furthermore, current schedule creation tools at CMU like Student Information Online (SIO) and ScheduleMan do not contain features to allow easy access to major and minor course requirements. This leads to the hassle of having to switch back and forth between multiple tabs on your computer to see whether courses you intend to take meet your major or minor requirements. Our app aims to be self-contained by creating an interface to incorporate the course requirements and electives for majors and minors in an efficient manner and possibly provide options to satisfy multiple requirements with a single course or series of courses. We will thus dispense with the need to look at multiple different applications in order to create a class schedule.

2. Competitive Analysis

ScheduleMan.org:

Probably the most-used scheduling tool on campus.



Pros:

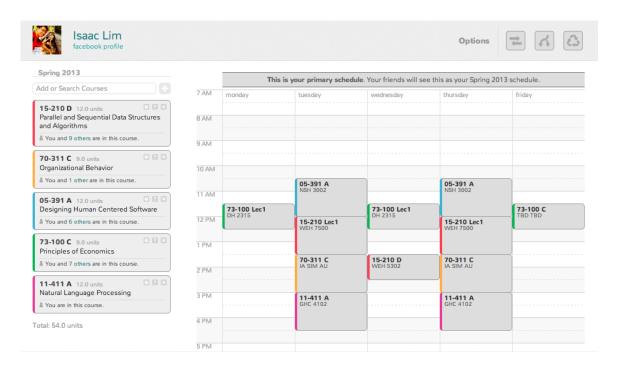
- Very simply UI. Friendly interface that is very easy to use.
- View Finals and books info

Cons:

- UI can be unresponsive at times.
- Very often doesn't show prereq/coreq information. This can be misleading.

SchedulePlus.org:

New contender with nice social features.



Pros:

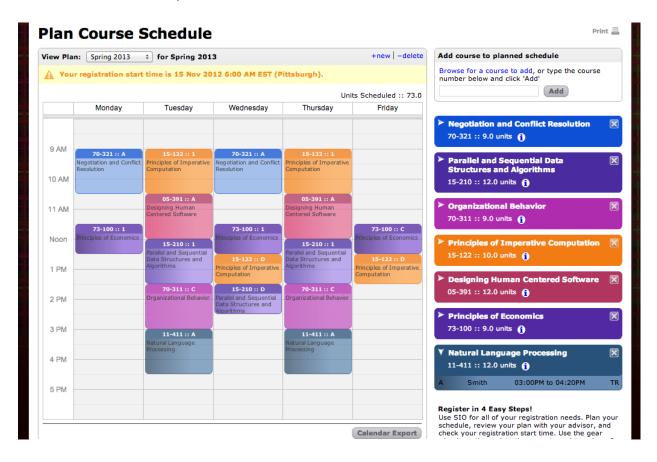
- Quite robust social features.
- Plugs into Facebook and shows friends' courses. Generally works pretty well.

Cons:

- Boring site layout. Colors are too muted to be useful.
- Icons without text are counterintuitive.
- Could there be a privacy issue with the social features perhaps?

SIO:

CMU's default schedule planner.



Pros:

- It checks if you have satisfied the prereqs for a course.
- Since it's 'official', it has data that the other clients don't have access to, like class size, real-time enrolment data, etc. Clearly these stats are useful for registration.
- The colors are basic but strangely effective.

Cons:

- Often takes a very long time to load.
- Old-looking and boring interface.
- No social features at all (but then again that's not SIO's purpose)

ScheduleCMU.org:

Our solution to the problem:

- Mobile + Desktop clients (optimized for mobile!)
- Incorporate social sharing features of SchedulePlus
- Allow switching to a view with major/minor requirements
- Simplistic UI of ScheduleMan
- Show prereqs and all other relevant data up front
 - Show only the most important data on mobile, due to lack of screen real estate
- As lightweight as possible, to optimize load times, especially on mobile devices.
- Streamlined UI across the desktop and mobile clients, for coherence sakes.