ScheduleCMU.org

Mobile Class Scheduling at Carnegie Mellon

Madeline Horowitz   **Isaac Lim**

Nivedita Chopra   Naman Bharadwaj

Outline

- The problem
- Our solution
- Our plan
- Gauging success
- Our qualifications

The problem

- Plenty of scheduling tools out there now
  - SIO
  - ScheduleMan
  - SchedulePlus
- None that are optimized for mobile
- Not just a one-off tool
- Need to visit other sites for major/minor requirements

Our solution

- Both a mobile and a desktop client
- Seamless syncing between devices
- Handy reference
  - No need to print your schedule or take a screenshot!
- Easily exported to Google Calendar
- Major and Minor requirements built in
- Easy social sharing

Prototype of
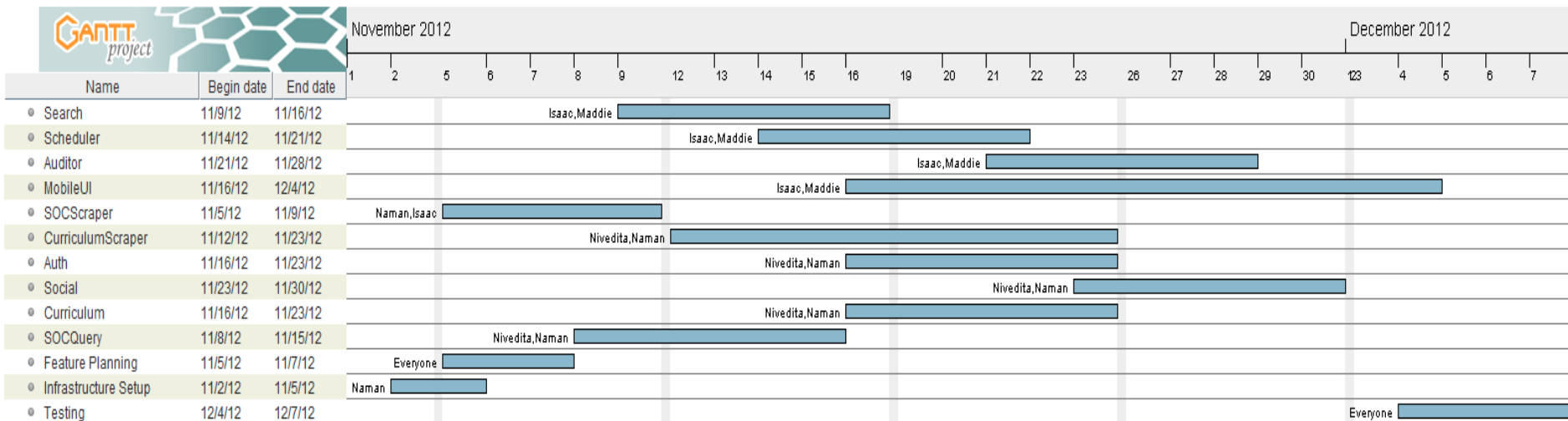**ScheduleCMU**
on an iPhone 4S

Our plan

1. Prototyping, wireframing and designing
2. Branch into **front end** and **back end**
   - Handle both ends in parallel
3. Implement Features
   - Web Scraper
   - User Interface
   - Social Sharing
4. Testing
5. Deployment

Our plan

Name	Begin date	End date
Search	11/9/12	11/16/12
Scheduler	11/14/12	11/21/12
Auditor	11/21/12	11/28/12
MobileUI	11/16/12	12/4/12
SOCScraper	11/5/12	11/9/12
CurriculumScraper	11/12/12	11/23/12
Auth	11/16/12	11/23/12
Social	11/23/12	11/30/12
Curriculum	11/16/12	11/23/12
SOCQuery	11/8/12	11/15/12
Feature Planning	11/5/12	11/7/12
Infrastructure Setup	11/2/12	11/5/12
Testing	12/4/12	12/7/12

Gauging Success

- Browser testing (desktop)
- Phone testing (iOS, Android, Windows)
- Student experience surveys
  - Sample size of 10-15 students
  - Create a schedule, save and export to google calendar, and share with friends.
  - Rate the experience on a scale of 1-10 in usability and functionality
  - Provide specific feedback

Our Qualifications

Isaac Lim

- iOS Developer of productivity apps (isaacl.net)
- Internships:
  - Evernote
  - BuUuk, Inc
- Coursework:
  - Cross-platform Mobile Web Apps
  - Computer Systems
  - Communication Design Fundamentals

Madeline Horowitz

- Web Developer / Designer (raemadeline.com)
- Graphic Design - Adobe Creative Suite
- Internships:
  - Microsoft
  - College Prowler
- Coursework:
  - Cross-platform Mobile Web Apps
  - Communication Design Fundamentals

Our Qualifications

Naman Bharadwaj
- Experiences:
  - Server-side web application development
  - Automated test development
  - Service optimization and deployment
  - Large databases such as HBase, MySQL
- Internships:
  - Facebook, Inc
  - Cloudswitch, Inc

Nivedita Chopra
- Experiences:
  - Assembling multi-faceted systems
- Internships:
  - Tata Consultancy Services
- Coursework:
  - Cross-Platform Mobile Web Applications

Summary

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- Our solution
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Coming Spring 2013

Sources

Prototype Base Graphics:

http://kbsportfolio.com/2011/10/17/resource-for-designer-iphone-app-retina/

Gantt Chart:

http://www.ganttproject.biz/