CS48 Spring 2019
Organized
by Team All-Stars

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Problem Overview

- New quarter, new classes
- New classes, new locations
- New locations, new schedule
- New schedule...

Time to get ORGANIZED
How Do You Organize Your Schedule?

- Gauchospace and GOLD
- Google Calendar
- GoGaucho App

- ... Wing it
Similar Applications

- Syllabuddy: Must upload syllabus
- GoGaucho: Has a map, doesn’t show paths
- Google Maps: Searching for each and every class is tedious
Solution

- ORGANIZED: Everything automated for your convenience
Challenges Faced

- New languages to learn
- Google OAuth protocol
- Never used API’s before
  - Google Calendar API
  - Google Maps API
  - GOLD API
- Write our own API
- Establish a server in Java
- API Calls to the server
Key Tech and Coding Languages used

- React - JavaScript framework
  - HTML + CSS
- Java - Website makes API call to Java server
- Spark - Java server framework
- Google OAuth - login service
- Google API’s:
  - Google Maps
  - Google Calendar
**Future Enhancements**

- Attempt to connect to actual GOLD and UCSB APIs
- Implement other UCSB APIs
  - UCSB Events
  - Dining Commons Menu
- Optimizing Automation with Google Calendar
- Write Algorithm to improve Bike routing

**Additional Features**

- Web Scraper for automated textbook search
- Print Map functionality
- Export Map functionality
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