SmartCal

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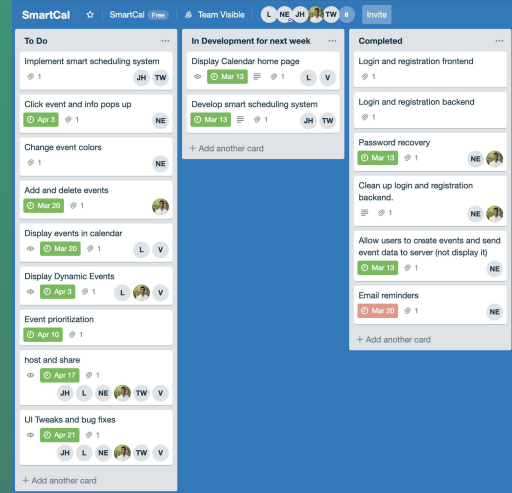
Project Management

- Methodology: Agile Scrum
  - Weekly sprints
  - Weekly meetings
  - Subdivided teams

Trello (Project Tracker)

- Everyone was assigned goals

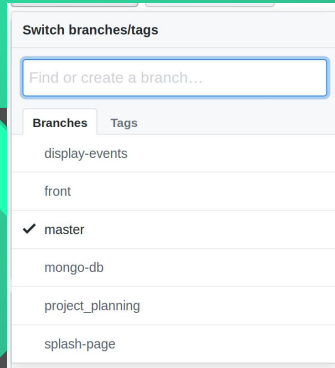- Trello sent out email reminders
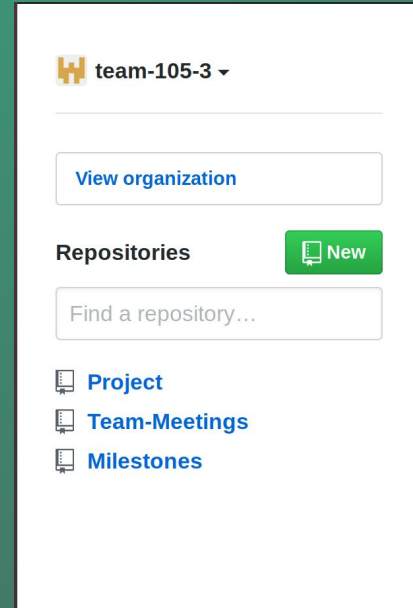
Usefulness: ⭐⭐⭐⭐

Github (VCS repository)

- Store Project, Meetings, and Milestones

- Allow us to work together separately in different branches

Switch branches/tags

Find or create a branch...

Branches | Tags

display-events

front

✓ master

mongo-db

project_planning

splash-page

team-105-3 ▾

View organization

Repositories   **🖥 New**

Find a repository...

📖 **Project**
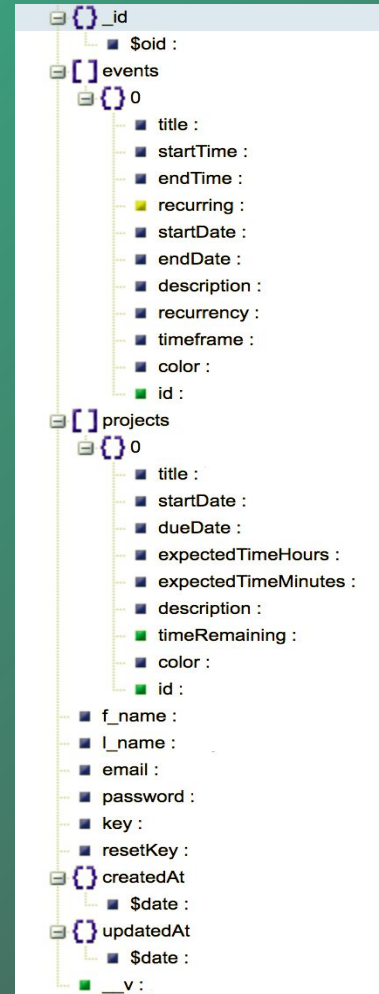📖 **Team-Meetings**
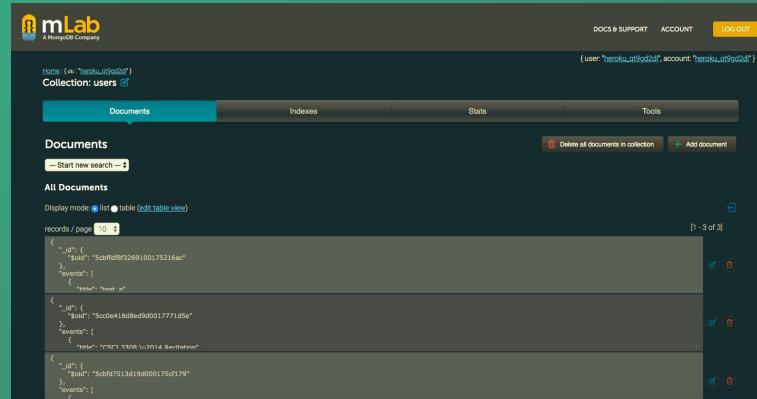📖 **Milestones**
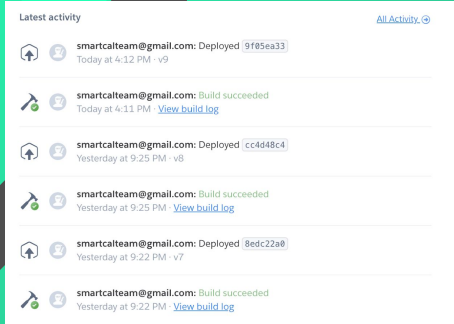
Usefulness: ⭐⭐⭐⭐⭐

MongoDB**(Database)**

- DBMS of choice for storing user information, calendar data
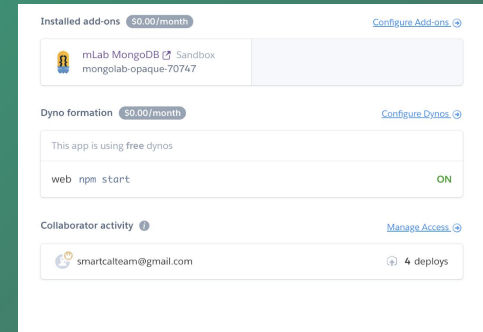
Usefulness:

⭐⭐⭐⭐

Heroku (Deployment)

- Frontend, backend, and database are hosted on Heroku

- Made deployment very straightforward and simple

Usefulness: ⭐⭐⭐⭐⭐

Unit Tests (made it ourselves)

- Tested how server received, stored and transmitted data
- Allowed us to quickly make sure correct communication between client and server
- Used custom test suite

Usefulness:

⭐⭐⭐⭐⭐

```
    at ReadStream.ondata (readline.js:139:10)
[res1-173-142-dhcp:UnitTests nickelsasser$ node index.js
Unit Tests running on port 8000...
=== Test Delete All Users ===      Test Passed...
=== Test Login Failure (No User) ===      Test Passed...
=== Test Registration Success ===      Test Passed...
=== Test Login Failure (Bad Password) ===      Test Passed...
=== Test Login Success ===      Test Passed...
=== Test Registration Failure ===      Test Passed...
=== Test Add Event ===      Test Passed...
```

Smart Scheduling Algorithm

- User could let the project fit into the calendar smartly
  - Display the project evenly into the calendar
  - Project could do part of the time every day
  - Users don't need to do the project one at a time.
- The smart cal could help the user use the time efficiently

Challenges

- Understanding and conceptualizing MongoDB - Jacob
- Dealing with nested subarrays in MongoDB - Nikhil
- Creating a type of algorithm to put the project into the calendar evenly - Tianchen
- Using new languages that I haven't worked with - Vincent
- Using Github through a terminal - Lara
- Using CSS to correctly display events and projects between browsers - Nick

Time to Demo

https://smart-cal-app.herokuapp.com