

Question 1: Do we want to stick with Flask?

- First lets determine the API specification

API Specification

## Plugin API

GET /projects

```
[{
  "Name": "Hello World",
  "Image":
"http://github.com/codingandcommunity/project/image.jpg",
  "Starting_stage": "7"
}...]
```

GET /stages/:stage\_id

```
{
  "_id": "7"
  "Name": "Starter Template",
  "parent_stage": "er772e3fb3e2b6888...", //optional
  "diff_url": "", //tbd
  "Instructions_url": "" //tbd
}
```

POST /projects

Accept the same data as /:project\_id returns (but no \_id)

PATCH /projects/:\_id

DELETE /projects/:\_id

Technologies we should look at

IBM OpenWhisk/AWS Lambda

Mongo

Firebase

DigitalOcean/EC2

- Explorer API
  - GET /lessons

```
{
```

```
  "id":
```

```
}
```

### Tasks:

- Jake: Plugin API
  - MongoDB
  - Serverless architecture
- Ritz: Git Internals / Diff system
- Clare: Website API
  - Learn about MongoDB
  - Learn REST API in Flask
    - Hopefully get MongoDB

### Pipeline

- Ritz -> Jake -> Mitch

### Front-end Fast-forward Process :

- Copy Students code
  - Designated area for students' code is between unique comments
- Flash the next step directory
  - Erase directory
  - Get next step directory
- Move students' code into specified region
  - Insert code into a designated area
- Install dependencies {Brad goes here.}