What → How

Jeff is managing What to Build.
Oliver is advising How to Build It.

Goals

- Practice software architecture

- and production techniques

- and deployment

- by building stuff

- and having fun

What I want out of this course. We will align this with what you want out of this course.

Some Topics

- Testing
- Documentation
- Deployment Pipelines
- Continuous integration
- Logging
- Monitoring
- Analytics
- Security
- Scalability
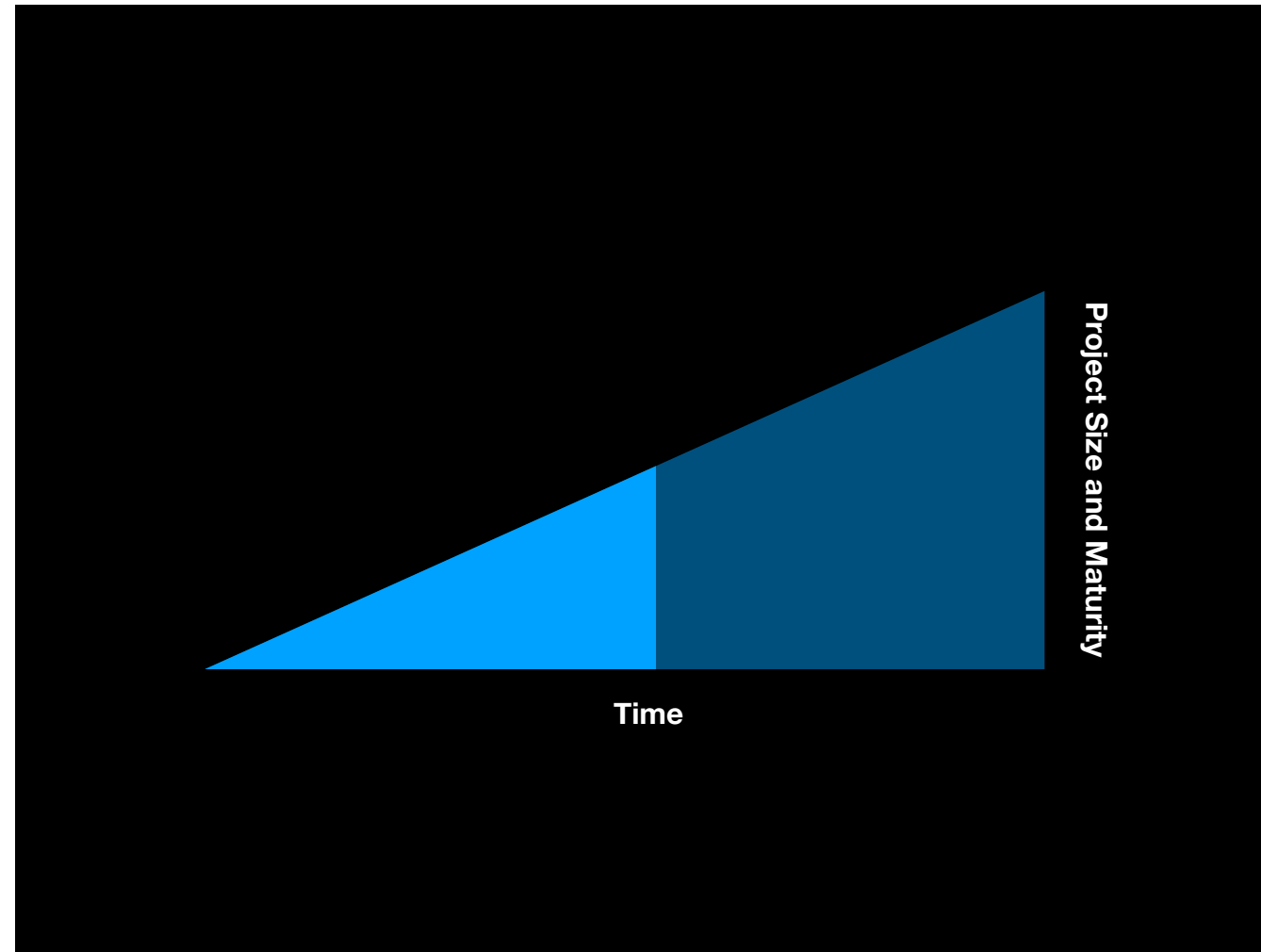- Identity
- Privacy
- Authentication

Possible Technologies

- Python
- Flask
- HTML
- CSS
- JavaScript
- React
- Nodejs
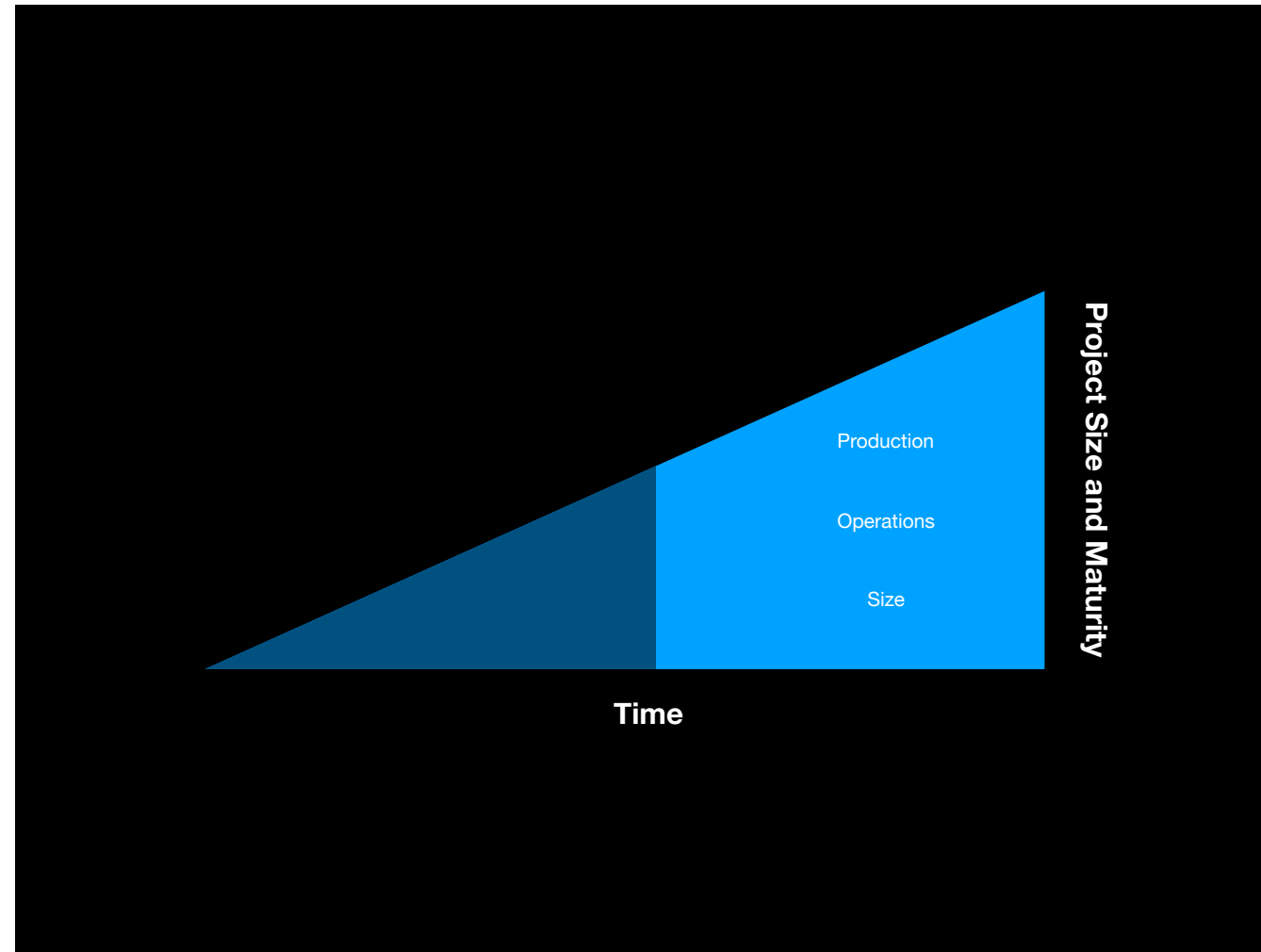- Expressjs
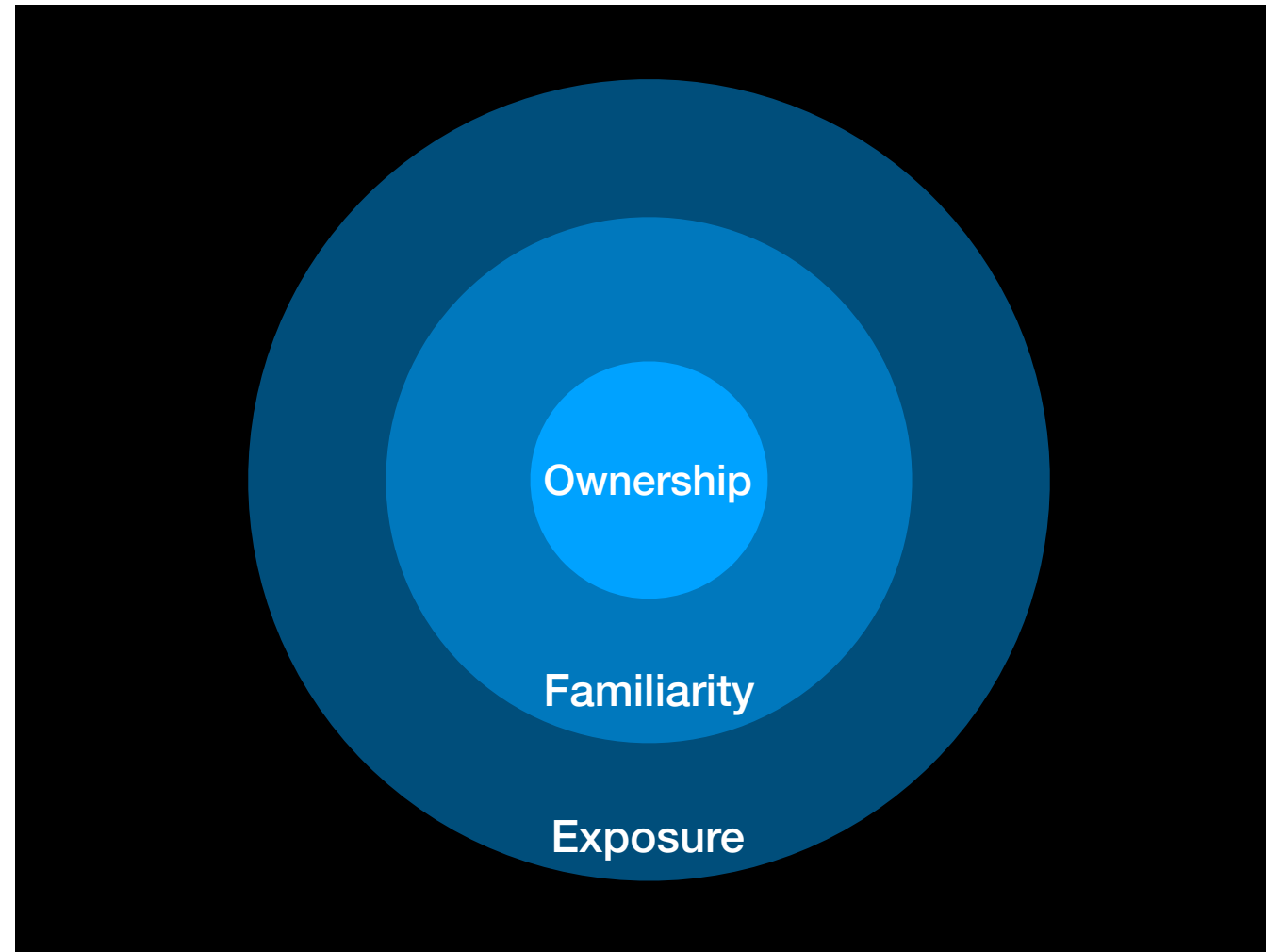- MongoDB
- Heroku
- GraphQL
- AWS

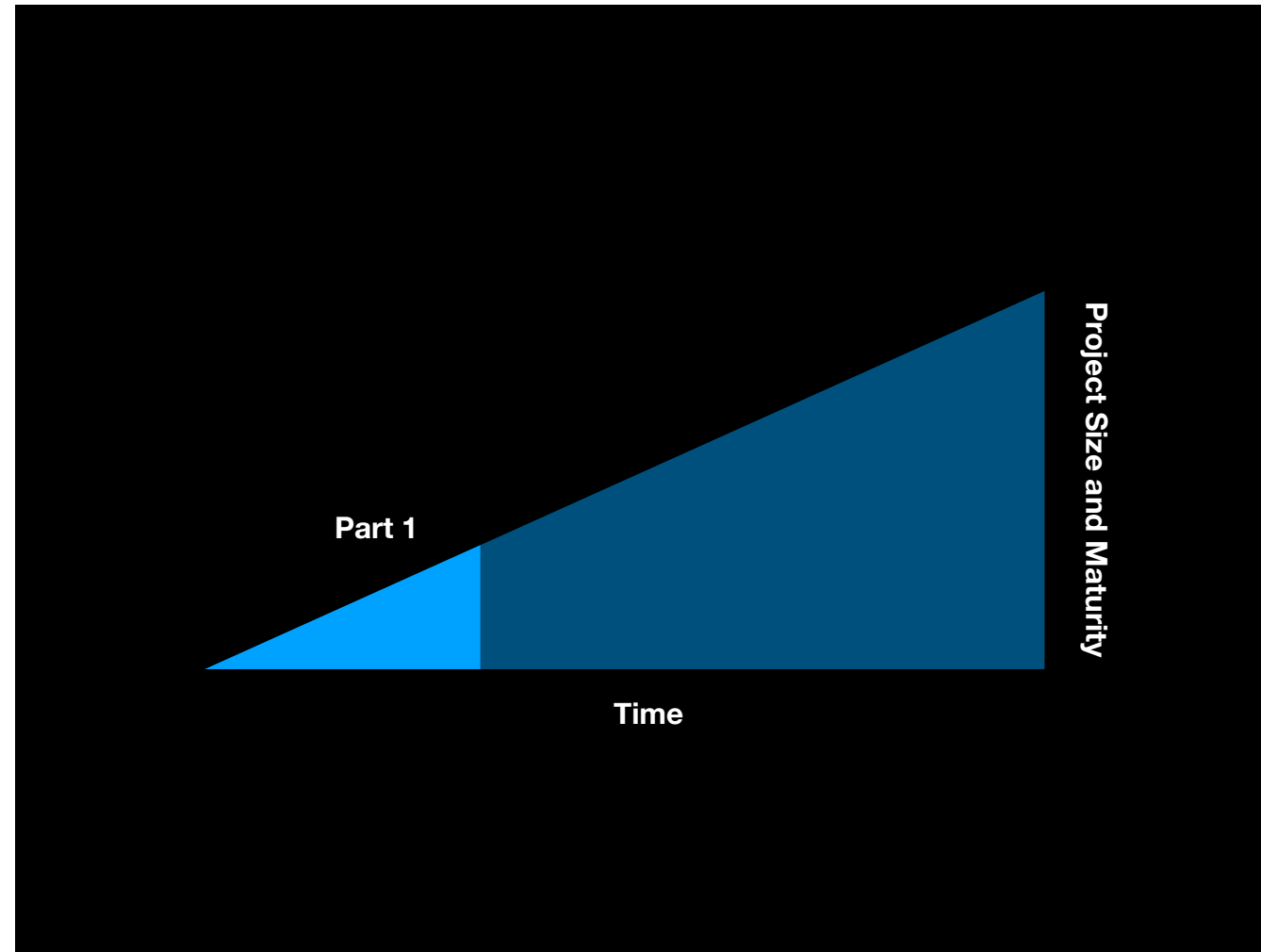There's a lot to cover…

…and no one of us will cover everything.

The typical software project course practices the early stage of a project (on the left).
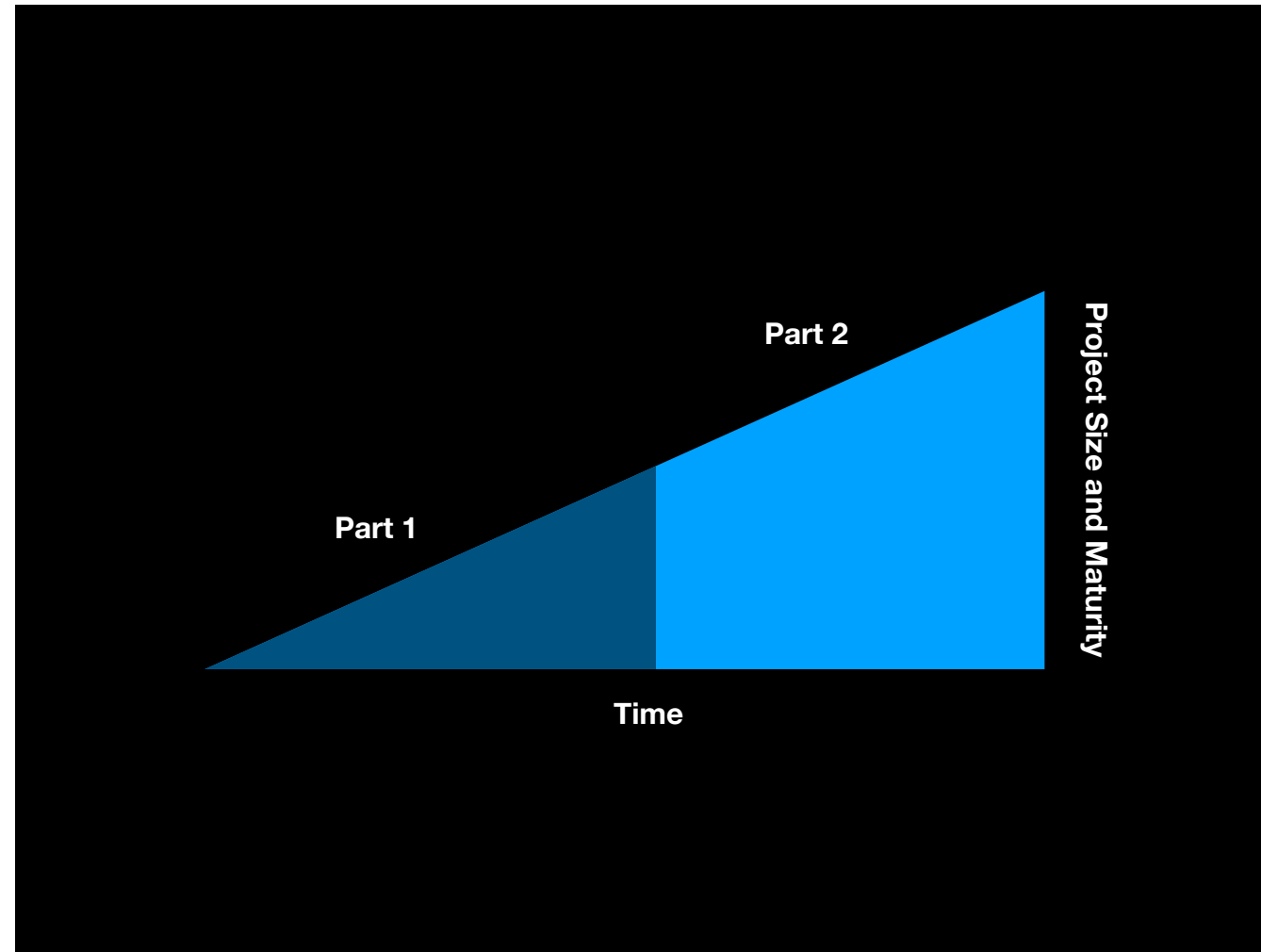
Some concerns and techniques only show up once a project is larger, operational, or both.

One distinguishing feature of a larger, team project is that there's more code and areas than one person can master.
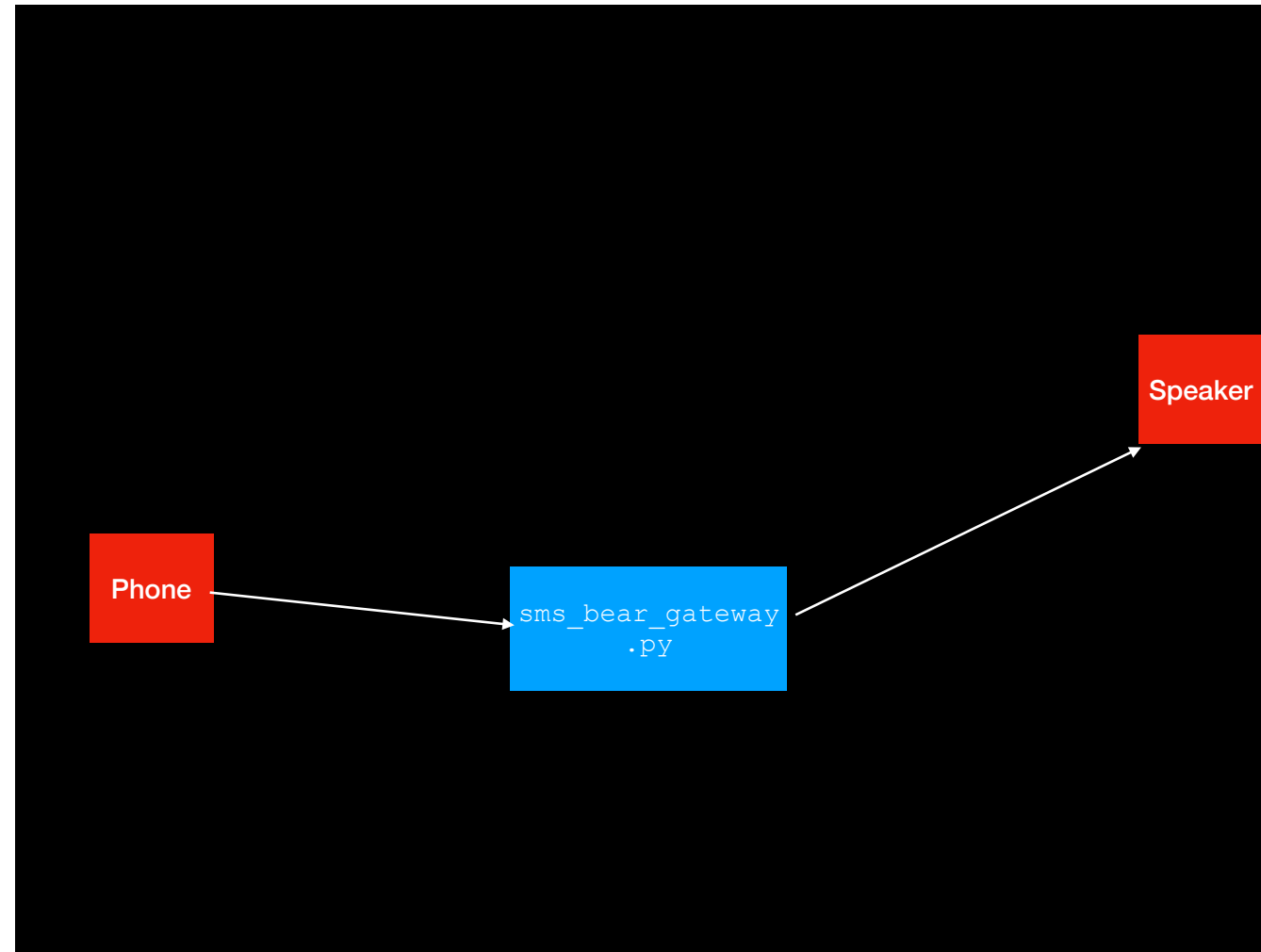
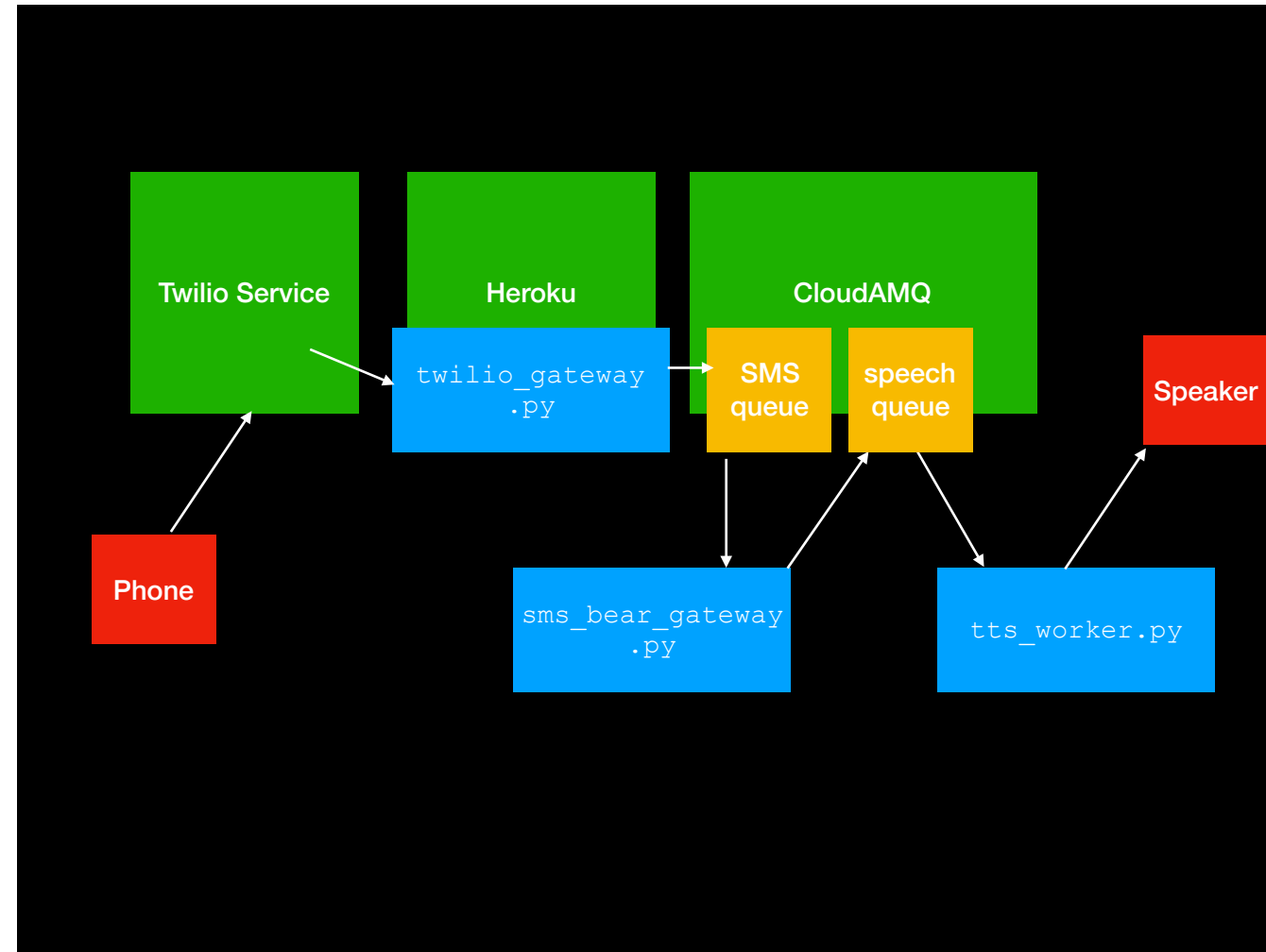The course is divided into two parts. For the first two weeks, we will work on smaller green-field projects…

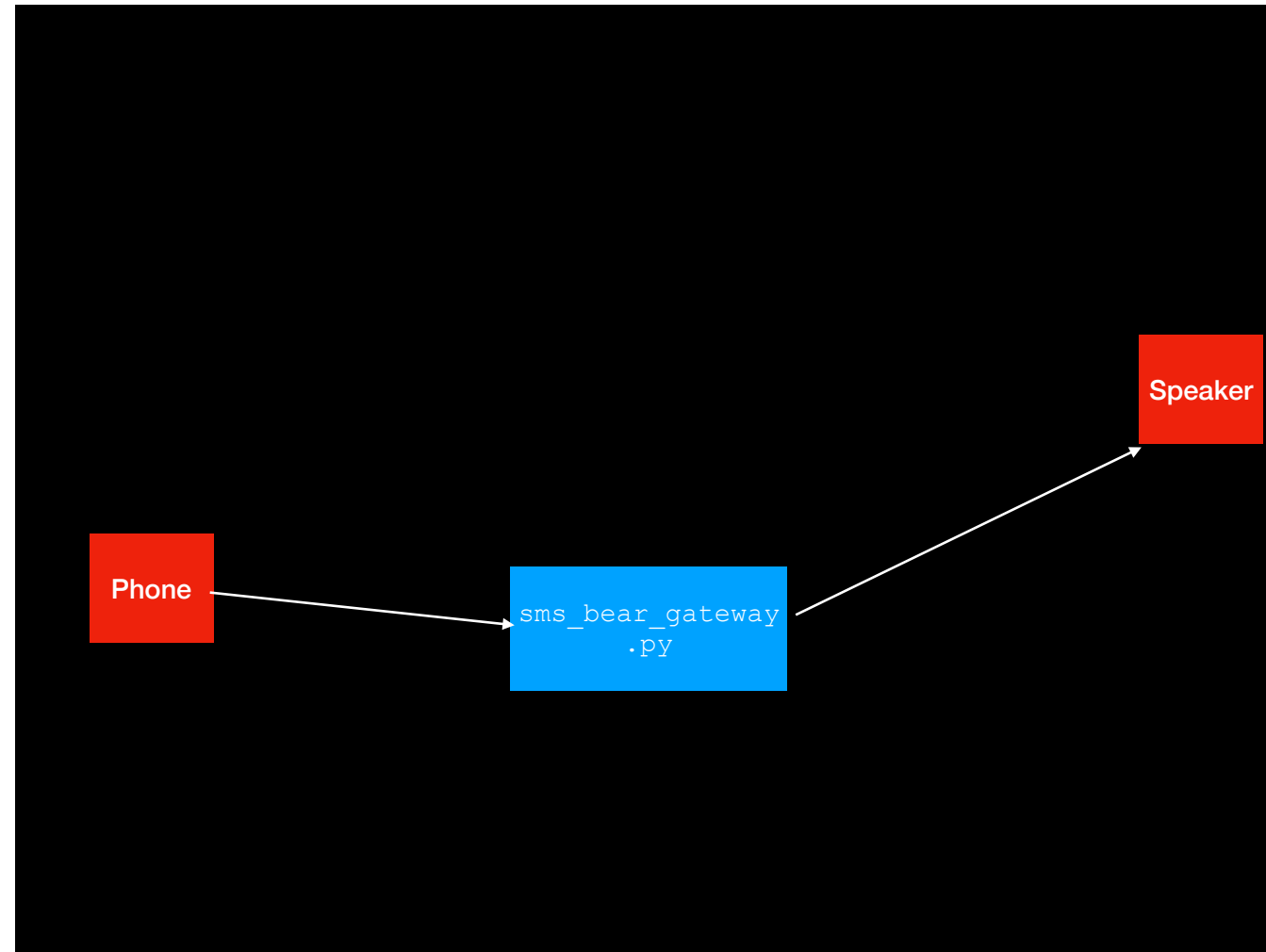In part two we'll adopt some "parbaked" projects from last year's class and from the summer.

[Interlude: introducing the Bear]

Here's what the Bear service looks like…

…but it actually looks like this…

…but you can think of it like this.

Bear with Us

[Class groans]

https://hackingthelibrary.slack.com

Bad pun. Kick off the activity.

"Dogfood"