

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

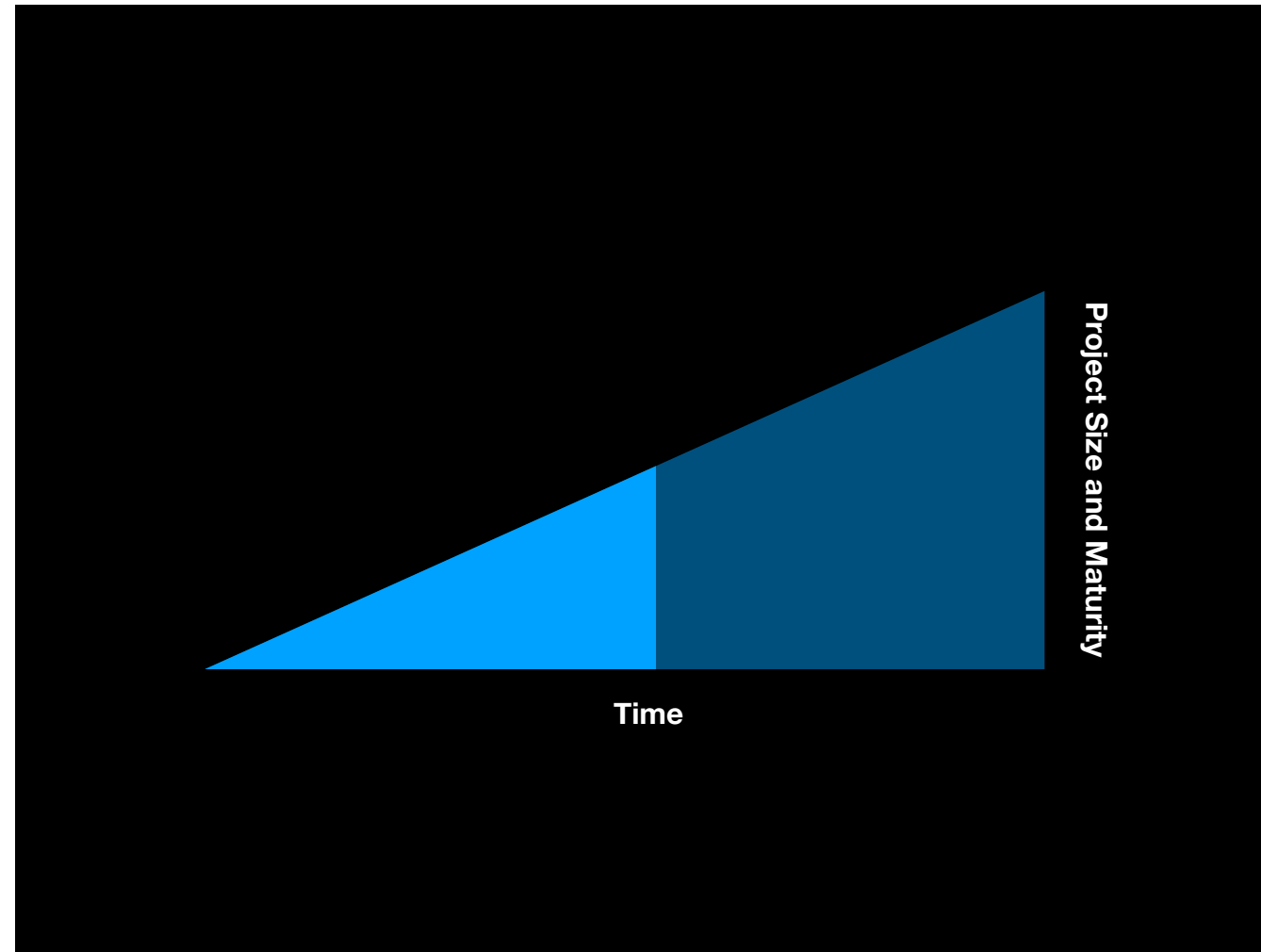
Possible Technologies

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

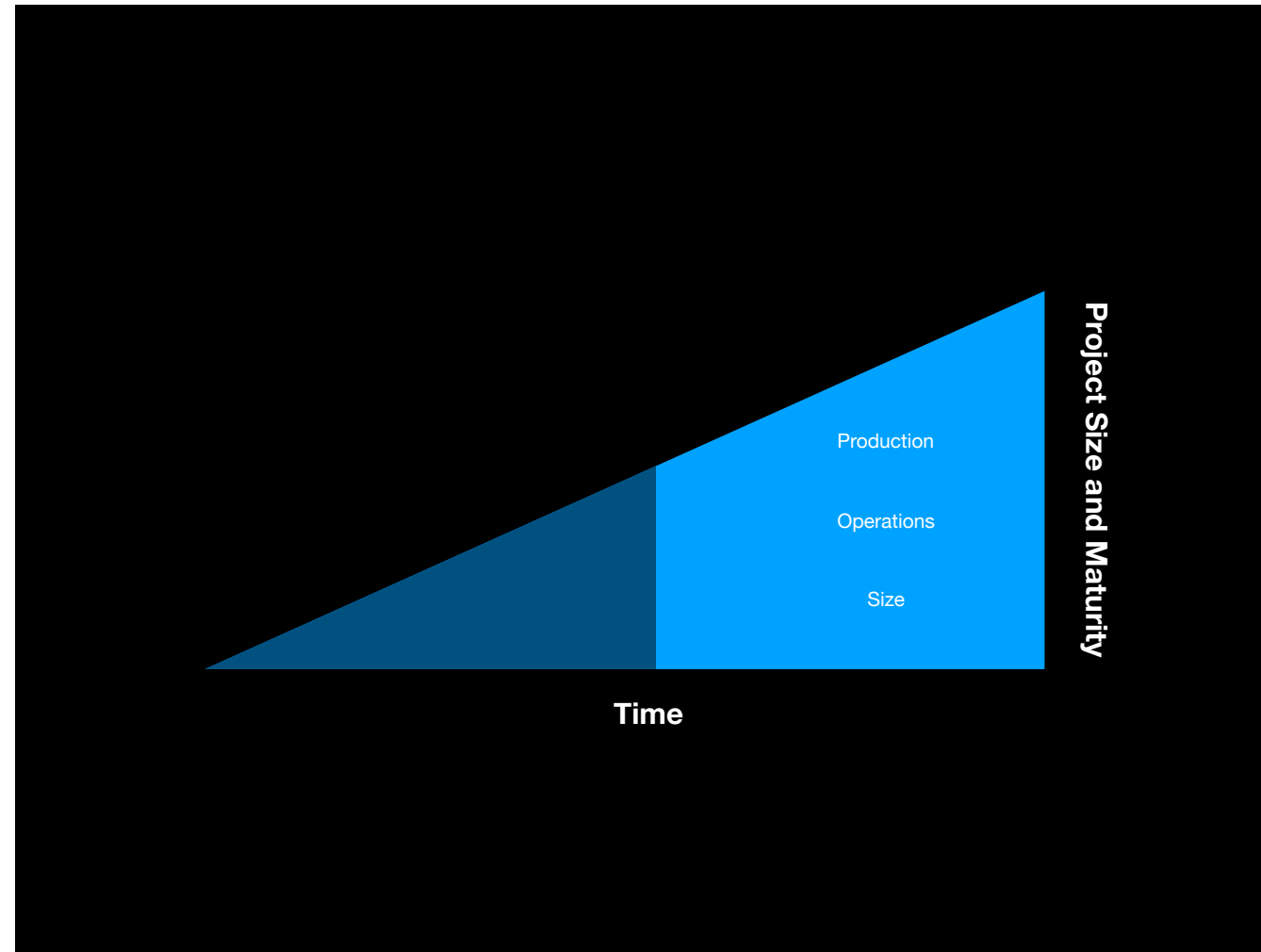
There's a lot to cover...



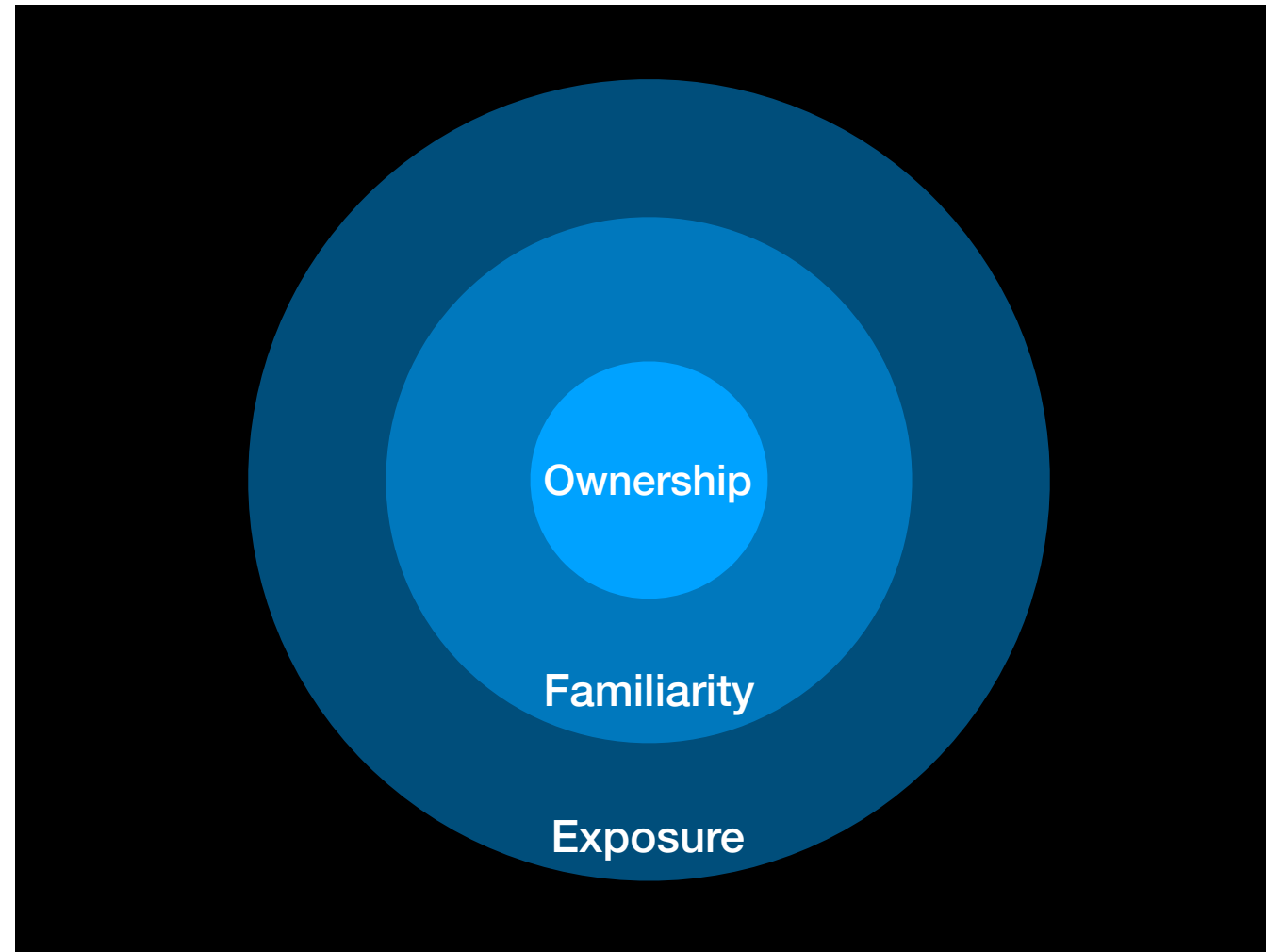
...and no one of us will cover everything.



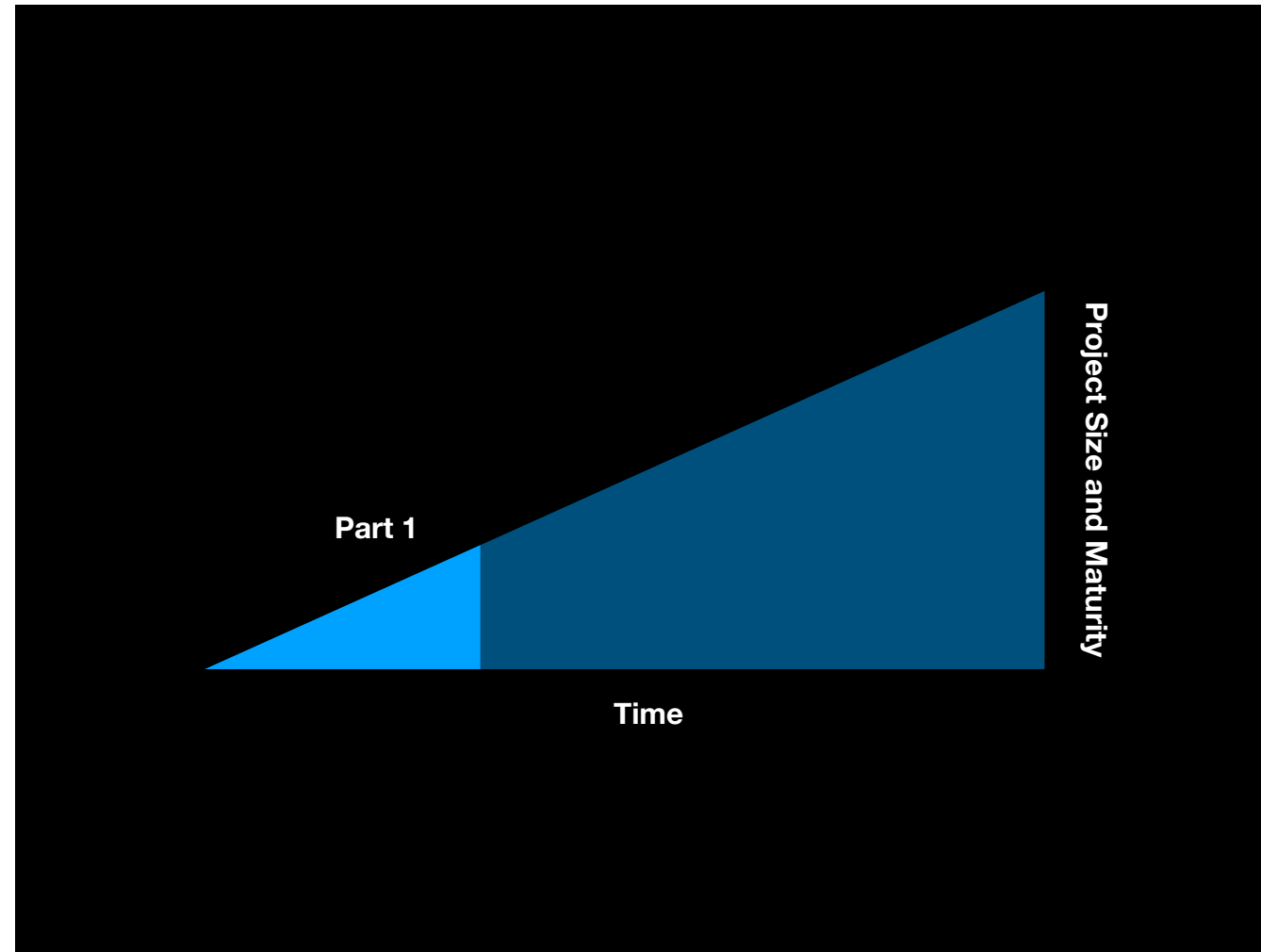
The typical software project course practices the early stage of a project (on the left).



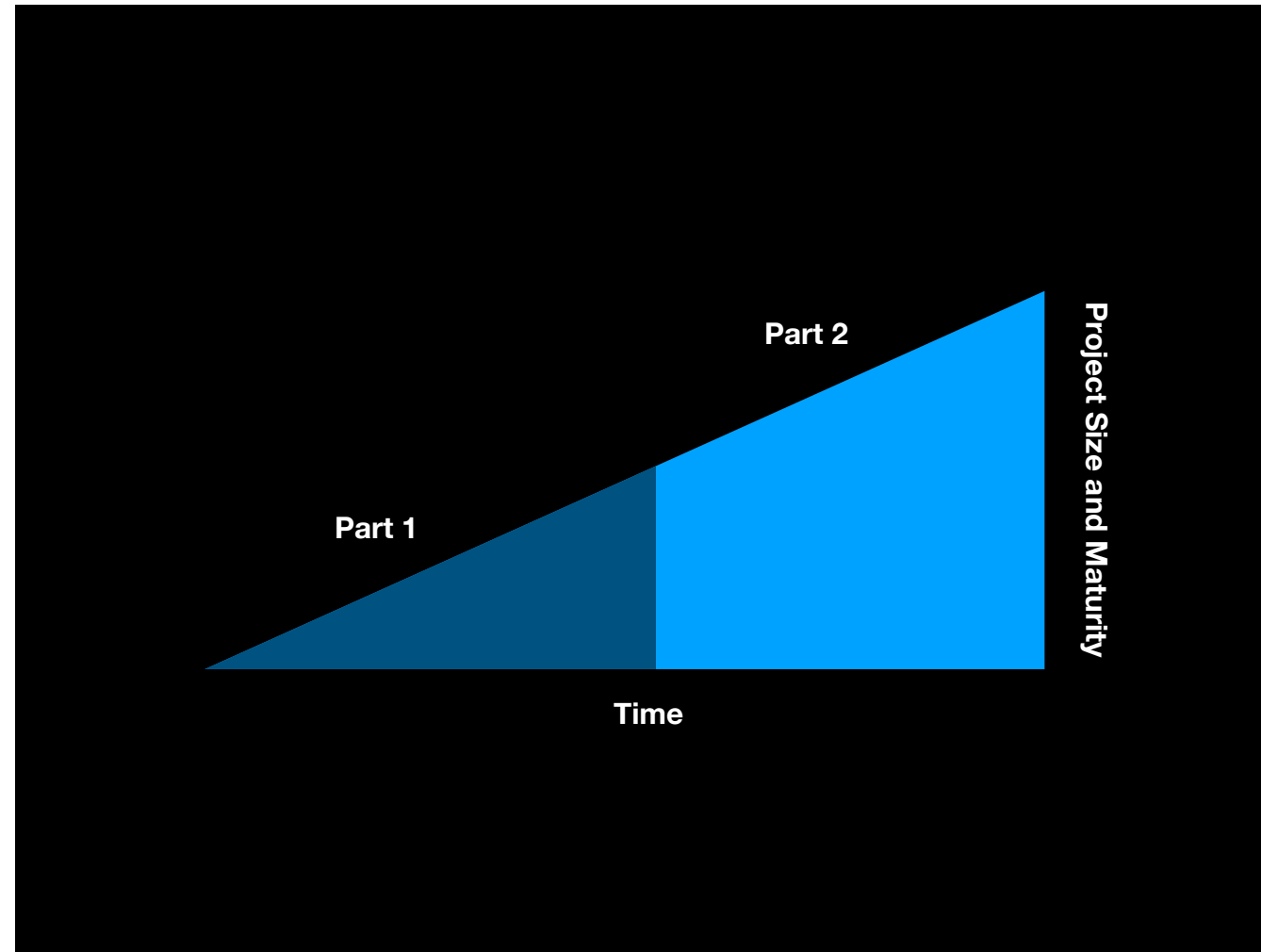
Some concerns and techniques only show up once a project is larger, operational, or both.



One distinguishing feature of a larger, team project is that there's more code and areas than one person can master.



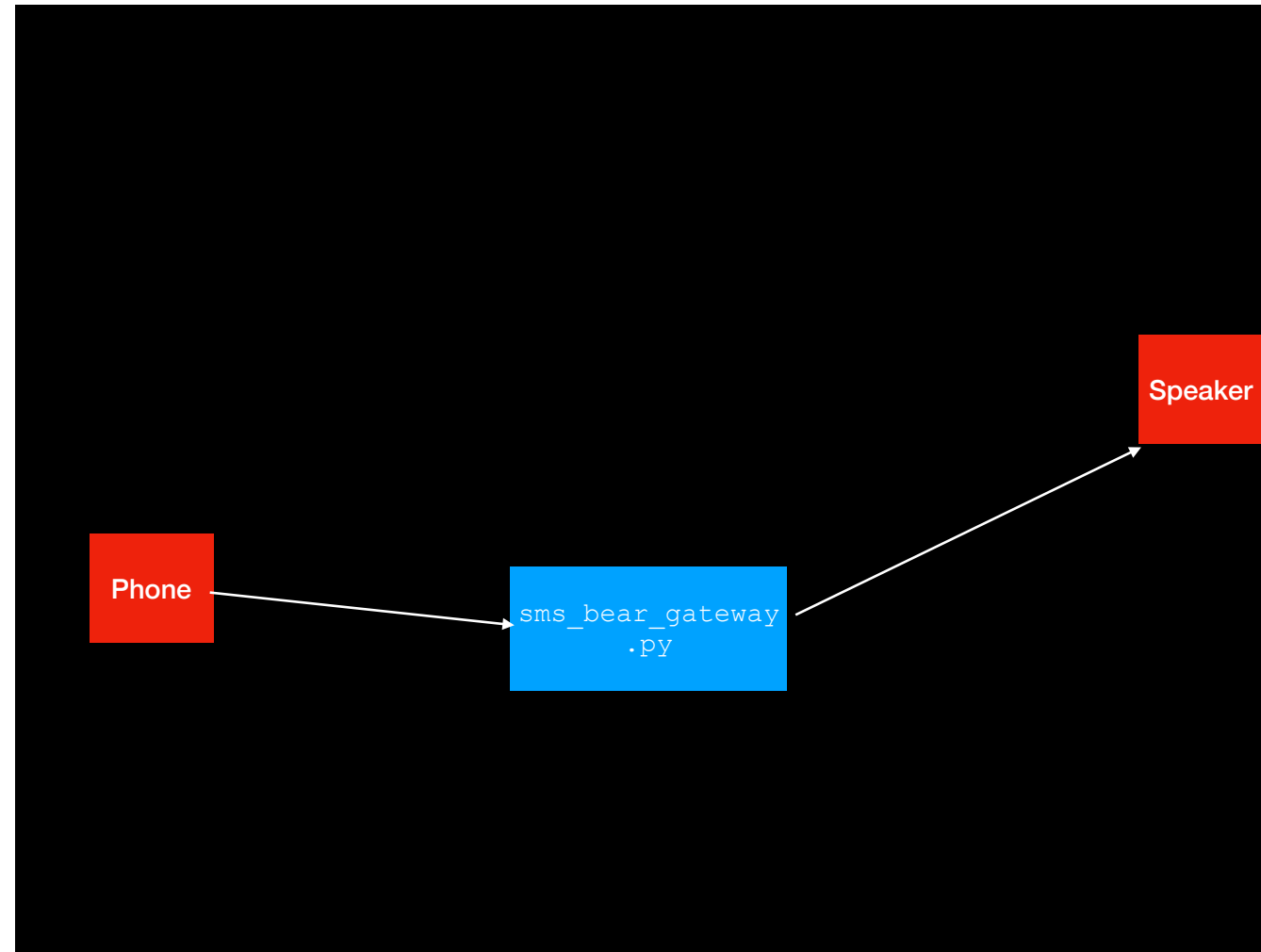
The course is divided into two parts. For the first two weeks, we will work on smaller green-field projects...



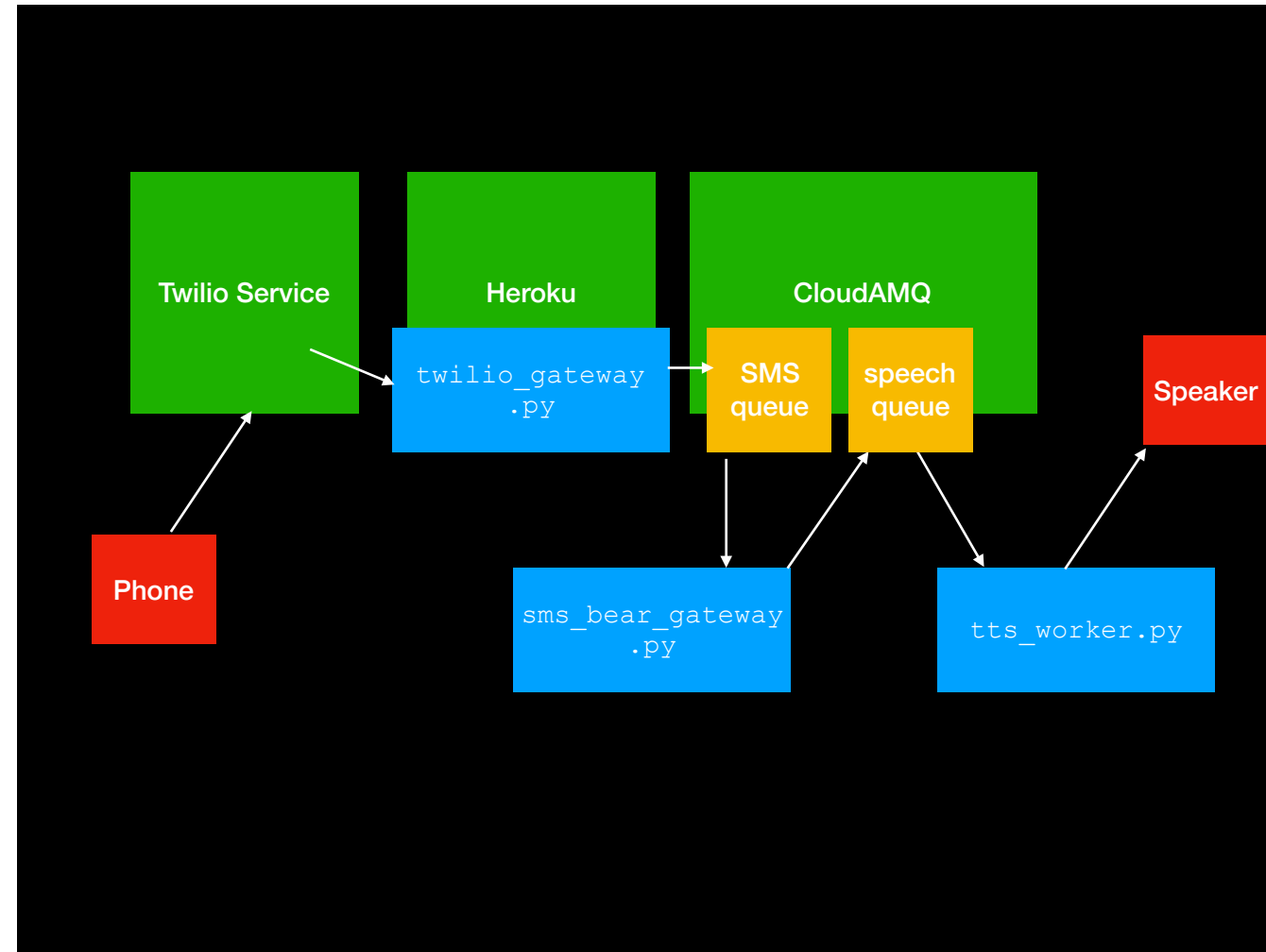
In part two we'll adopt some "parbaked" projects from last year's class and from the summer.



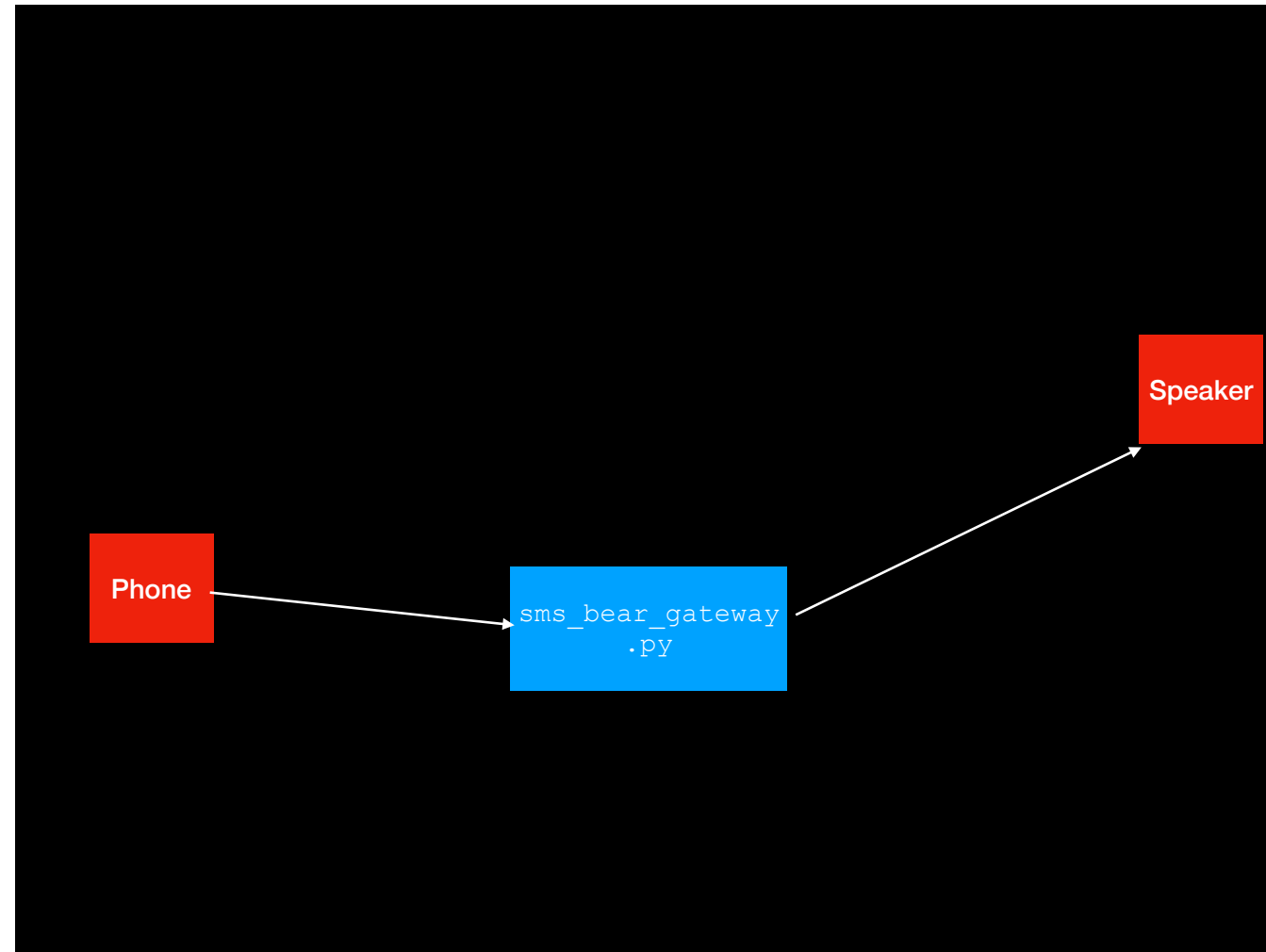
[Interlude: introducing the Bear]



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.

People Skillz Finder

Use this tool to find people who know or want to learn X.

(Click a row to edit it. (Please only edit yourself or with permission))

★★★★★

+ knows X

★★★★★

+ wants to learn X

	Java	C#	Scala	Ruby	Go	Haskell	PHP	JavaScript	Perl	Python	Swift	JSX	SQL	SQL
Celine Bodine														
Chris Wang														
Eric Miller														
Evan New-Schmidt														
Jared Brinkman														
Jeff Goldman		★★★★★					★★★★★	★★					★★★★	
Kellyn Kell														

“Dogfood”