Chefcipe

Sitename

FrontEnd

React ~ Keep it simple

Idea: Site will be called Chefcipe. Simple enough, legit chefs would submit recipes here or even create bounties for other chefs to design something! This idea should be able to make good use of API's and the AWS stuff. Thinking 4 pages, Home page would be a directory to other parts of the site, as well as explaining what the site is. User page for creating a user account. Bounty page for other chefs to request things. Main recipe page for chefs to share recipes.

Restrictions:

~ Keep it simple
~ Use React.js. Nothing else
~ Wants to see that I can use components, project should be structured around that.

BackEnd

Django ~ This'll be interesting lol

- Idea: If anything like Express/Node, shouldn't be the biggest problem. Can have multiple API's, and they should be able to use GET, POST, PUT, & DELETE

Restrictions:

~ Use Django only. Gonna have to learn it haha
~ Minimum 2 API's

The resulting application should make good use of our API's. TBD if we do server-side processing

Section 1

$$\begin{tikzcd}
 & \text{AWS} \arrow[dl] \arrow[d] \arrow[dr] & \\
\text{AWS S3} & \text{AWS EC2} & \text{AWS CloudFront}
\end{tikzcd}$$

AWS S3

Thoughts:
- Use this to deploy frontend code
- After checking out Amazon's description, it seems to be a service for hosting/keeping data such as logs and pics and whatnot.

AWS EC2

Thoughts:
- Use this to deploy backend code
- So, from what I can see, EC2 acts as an offshore processor. This is done through virtual servers

AWS CloudFront

Thoughts:
- Seems like a gate for what users can see?
- Adds a HTTPS cert to your site, which is nice. This seems like something you would implement in tandem with a database, with the purpose of speeding up transfer and reads.

VPC & Subnet

- VPC seems to be used to create gateways for traffic. In this instance, the traffic would be an internet connection. You can then create another gate that leads to your other services, like S3, EC2, or CloudFront
- Subnet seems to make networks more efficient. I believe its following the principle of "divide and conquer"