Yummy Delicious! What's in My Pantry?
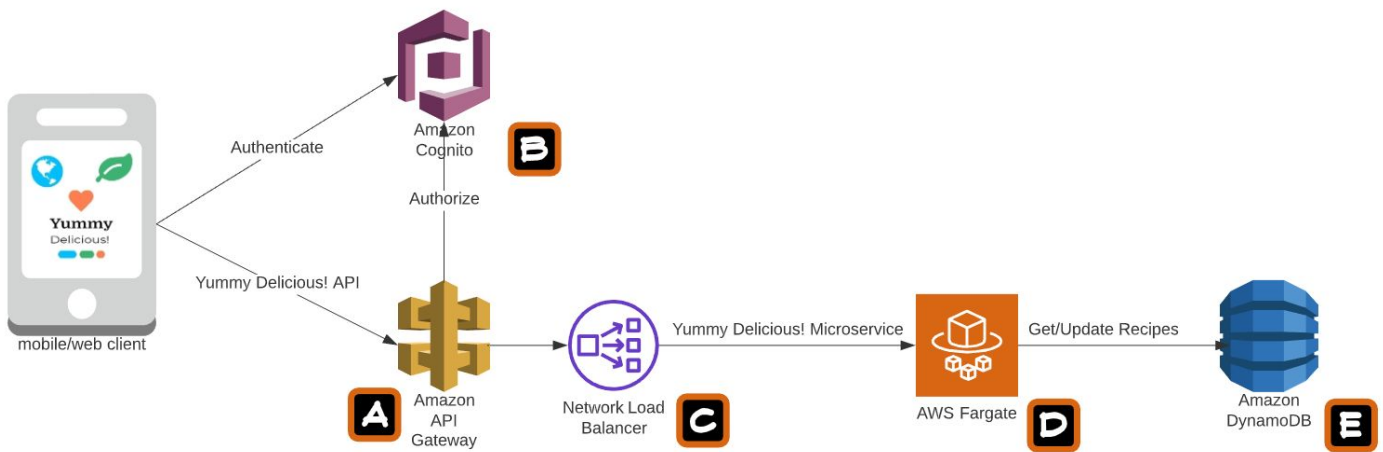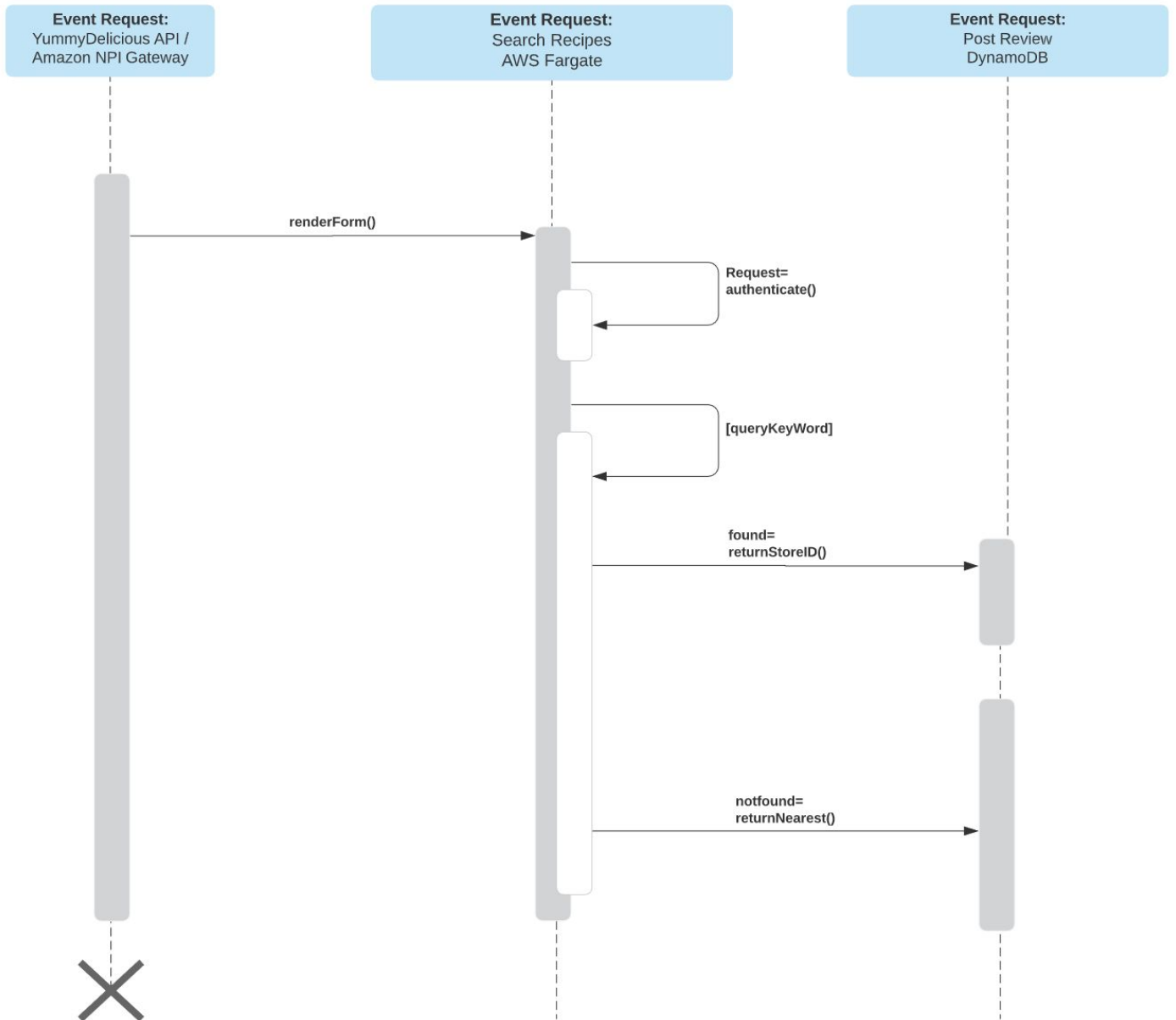
Service Layers

Services

Using Ionic to build the application, I currently envision using AWS or Heroku to deploy the app.

1. Application Firewall - API Gateway / Heroku*
2. Platform as a Service - Ionic
3. Structural Firewall - Amazon VPC / Heroku*
4. Network Load Balancer - AWS Flask / Heroku*
5. Serverless Deployment - AWS Fargate / Heroku*
6. Persistence - DynamoDB / MongoDB

Service Endpoints

A pictorial overview of the services schema is provided below

Event Request:
YummyDelicious API /
Amazon NPI Gateway

Event Request:
Search Recipes
AWS Fargate

Event Request:
Post Review
DynamoDB

renderForm()

Request=
authenticate()

[queryKeyWord]

found=
returnStoreID()

notfound=
returnNearest()

Requests Responses & Error Messages

Inventory

HTTP Verb and Parameters	Action / Effect	Response Code	Error Codes
POST /item	Add a new item	200 Successful 201 Created 202 Accepted 204 No Content	400 Bad Request 404 Not Found
PUT /item/{itemID}	Update existing item		
GET /item/searchKeyword	Search by keyword		
DELETE /item/{itemID}	Delete item		

User

HTTP Verb and Parameters	Action / Effect	Response Code	Error Codes
POST /user	Create user	200 Successful 201 Created 202 Accepted 204 No Content	400 Bad Request 404 Not Found
PUT /user/{user ID}	Update user		
GET /user/login	Logs users into the system.		
DELETE /user/{userID}	Delete user		