Opioid Coalition App Architecture

AWS S3

React.js Application

AWS API Gateway

(3) **AWS Lambda Function**

(4) **AWS Lambda Function**

(5) **AWS Lambda Function**

(6) **AWS SNS**

AWS Lambda Function

AWS DynamoDB Table
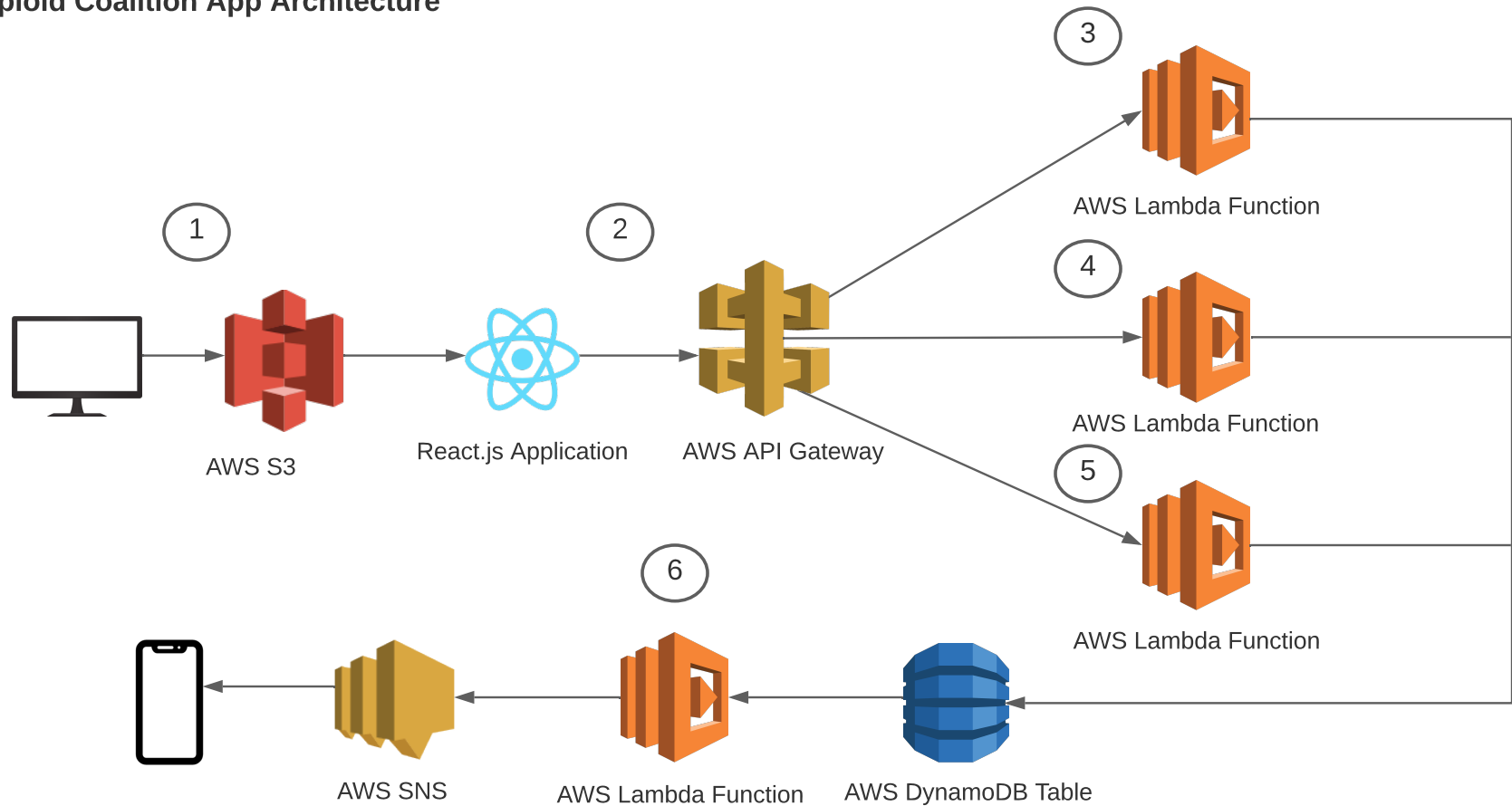
(1) User accesses React.js web application hosted as a static website in S3 bucket

(2) React web application makes POST request to API Gateway when user fills out naloxone delivery form.

(3) POST request to API Gateway triggers Lambda function that creates a new entry in DynamoDB table to represent a new order. New entry triggers Lambda function that uses SNS to send a message alerting user that their order was placed if they provided a phone number.

(4) GET request to API Gateway triggers Lambda function that retrieves all current orders stored in DynamoDB table. They are displayed in the React app.

(5) When admin user updates shipment status for an order through the React app, it triggers a Lambda function that updates the shipment status for the given order in the DynamoDB table

(6) When shipment status is updated in DynamoDB table, it triggers a Lambda function that uses SNS to send a message to the associated user that their order has been shipped if they provided a phone number.