6156 Final Project

Cyber-Skywalker

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Introduction
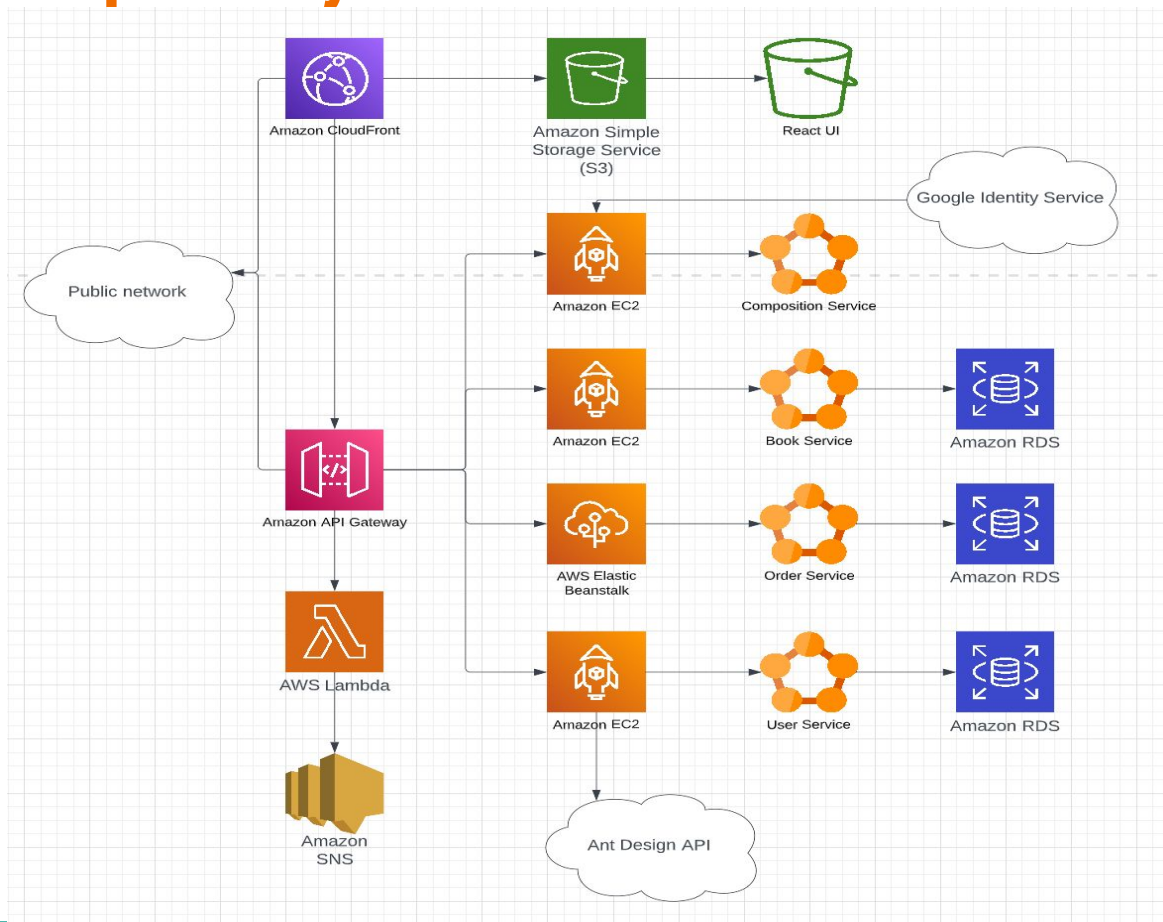
Book subscription system.

Goal: users can buy books from our website, which is an online-bookstore.

Basic function:

Users can check their profile, browse all books, and make orders.

Administrator has full access to users, books and orders. (CRUD)

Book Subscription System—Overall Structure

System Front-end (Login page)

Welcome

Login as Admin

Login as Customer

System Front-end Board (Admin-Login)

Administrator has full access to users, books and orders.

System Front-end Board (Customer-Login)

Users can check their profile, browse all books, and make orders.

Microservices
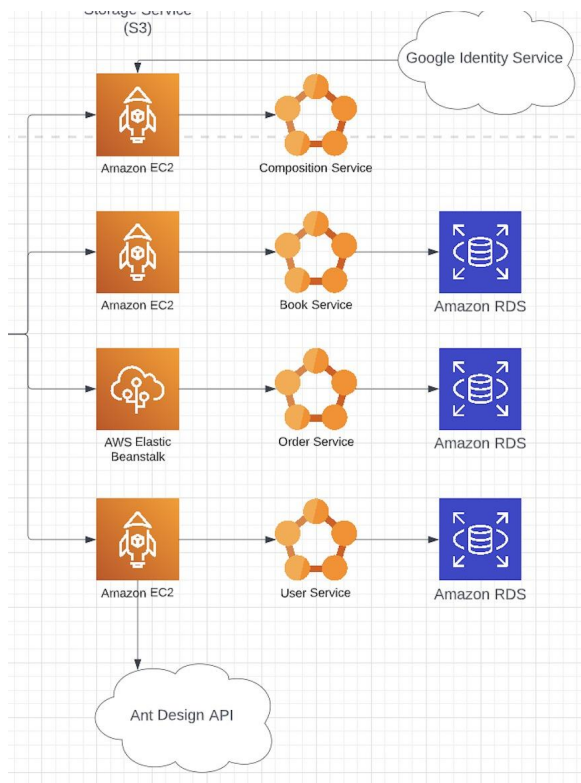
book:

    add/delete/update/get for admin

    update book quantity when user buy a book

order:

    add/delete/update/get for admin
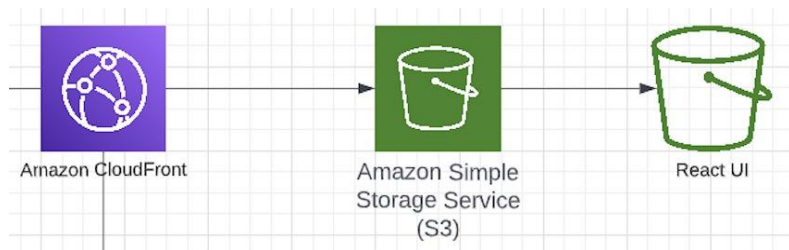
    post an order when user buy a book

user:

    add/delete/update/get for admin

composition:

    google authentication

    call book and order api when user buy a book

CloudFront & S3

API Gateway

Lambda Function

postuser

▼ **Function overview** Info

λ **postuser**

≋ Layers (0)

⟨⟩ **API Gateway**

⟨⟩ **Amazon SNS**

postorder

▼ **Function overview** Info

λ **postorder**

≋ Layers (0)

⟨⟩ **API Gateway**

⟨⟩ **Amazon SNS**

Amazon API Gateway

AWS Lambda
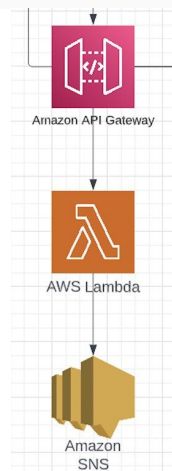
Amazon SNS

AWS-SNS

Send email if a

user is registered

/an oder is placed.

Amazon SNS > Topics

Topics (2)

🔍 Search

	Name
○	Orderposttopic
○	Userpost

← 🗃 ⚠ 🗑 | ✉ 🕐 ☑+ 📁 🏷 ⋮

AWS Notification Message

Userpost
Hello User123, your email is set to @mail, with address NY. -- If you wish to stop receiving notifications from this topic, plea

3

Orderposttopic
Hello! Your order has been placed. Log in to the book subscription system to view your order detail. https://sns.us-east-1.ar

Userpost
发送至 我 ▾

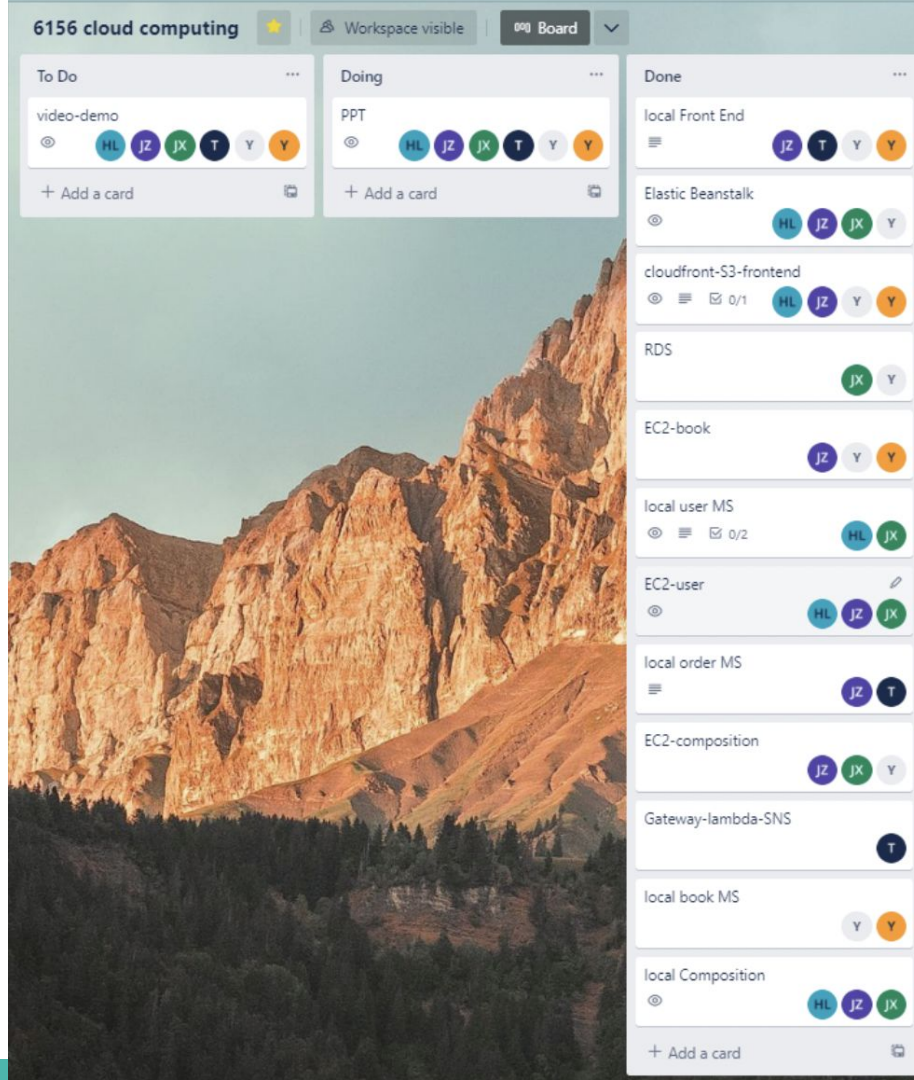Hello User30389, your email is set to tracysjh@gmail.com, with address Columbia University.

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If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:
https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:329396520650:Userpost:
f7b5b03ebbe6&Endpoint=tracyhsj@gmail.com

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Trello and GitHub

Codes [Here](#)!

Thanks