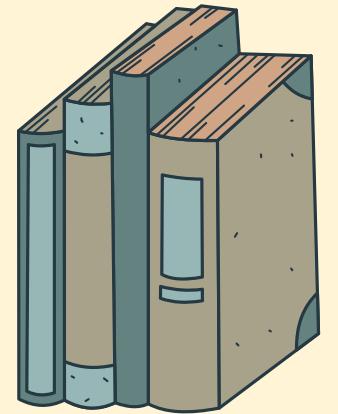




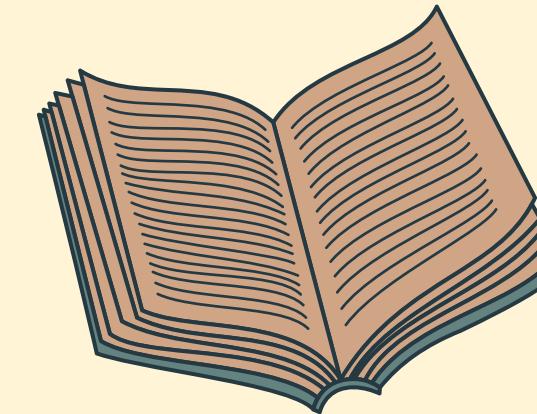
# NOVELLA

HOSTED ON AWS

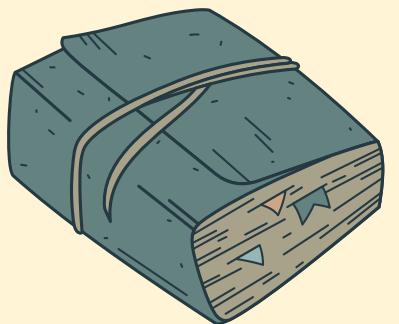
# PRESENTATION OUTLINE



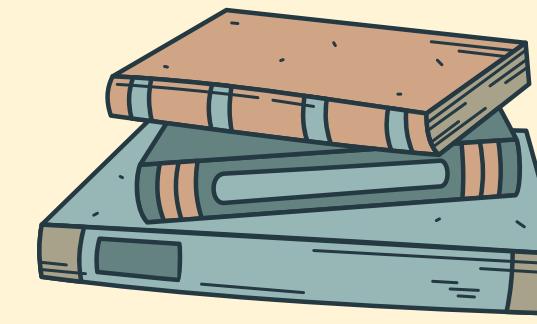
USAGE OF S3  
AND DYNAMODB



AMAZON COGNITO



AWS AMPLIFY & IAM  
CONFIGURATION



STRIPE FOR PAYMENT  
& FRONTEND

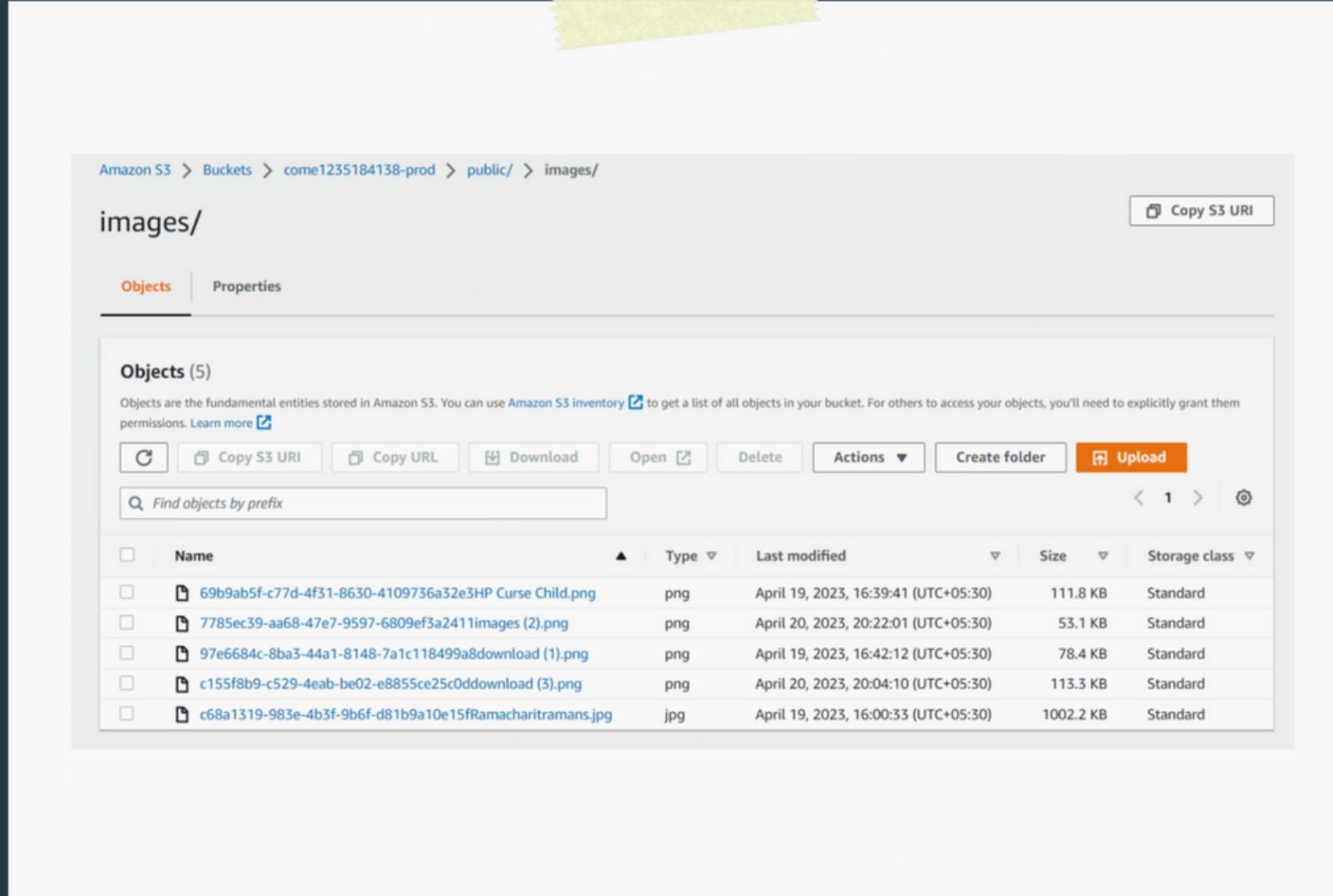


# S3 AND DYNAMODB

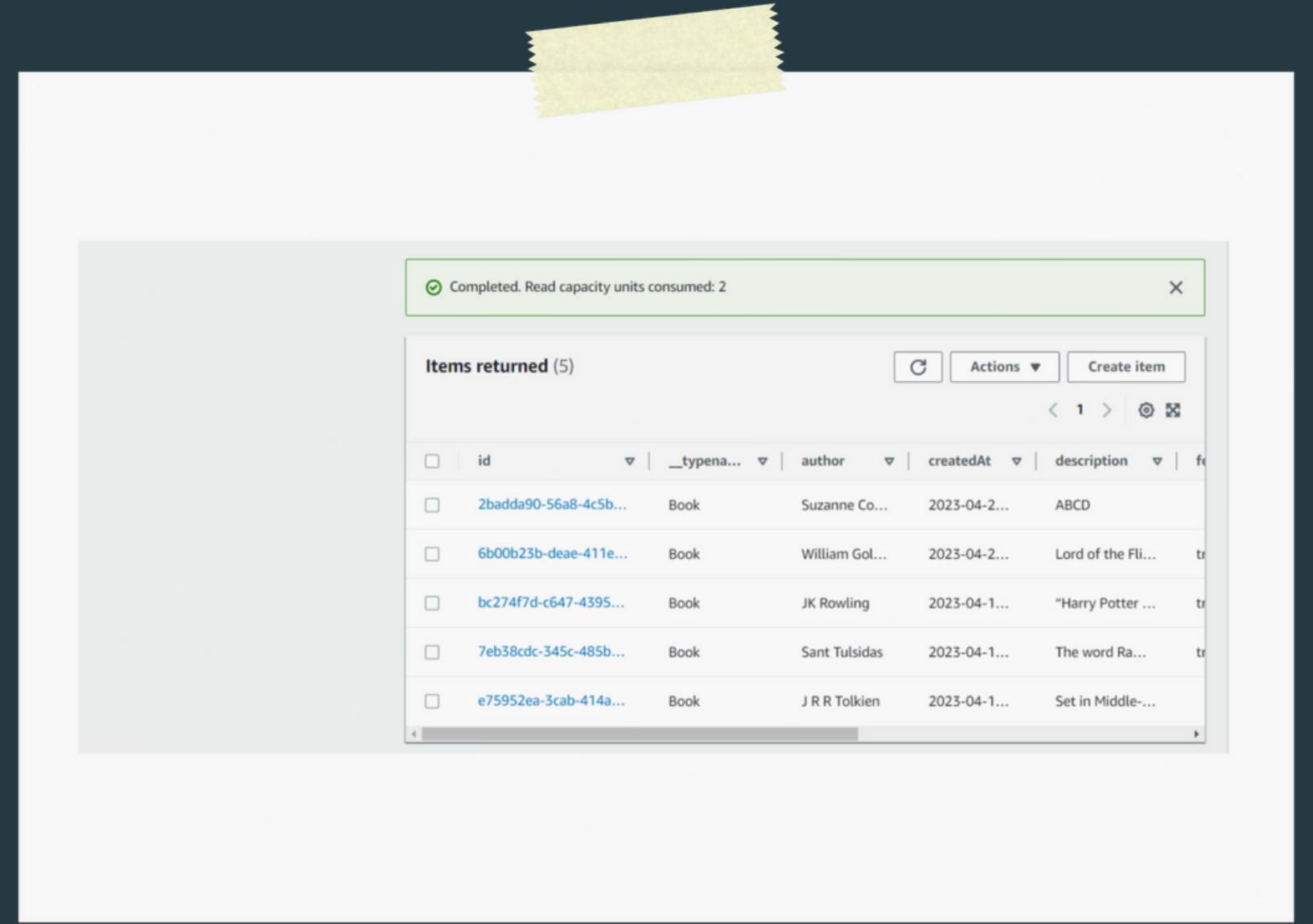
- **S3** is an object storage service that provides highly scalable and durable storage for files and objects, such as images, videos, documents, and backups.
  - **DynamoDB** is a NoSQL database service that provides scalable and flexible storage for structured and semi-structured data.
  - Both services can be used together to provide a powerful and flexible storage solution for a wide range of use cases.
- 

# S3 AND DYNAMODB

In our project, we used an S3 bucket to store images of the book. DynaDB is used to store book information in databases.



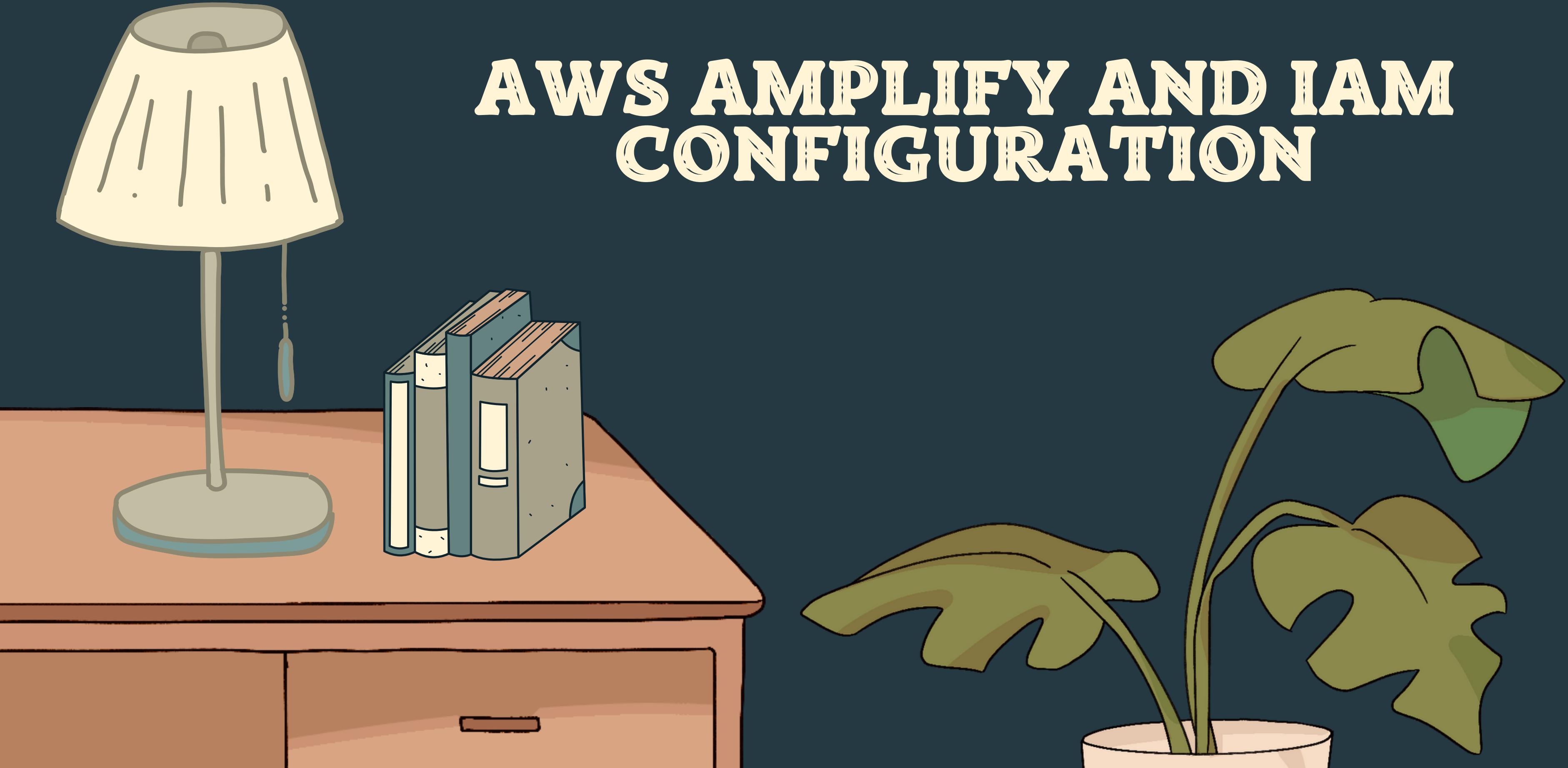
A screenshot of the Amazon S3 console showing the contents of a bucket named 'come1235184138-prod'. The 'public' folder contains an 'images' folder. Inside 'images', there are five objects: '69b9ab5f-c77d-4f31-8630-4109736a32e3HP Curse Child.png', '7785ec39-aa68-47e7-9597-6809ef3a2411images (2).png', '97e6684c-8ba3-44a1-8148-7a1c118499a8download (1).png', 'c155f8b9-c529-4eab-be02-e8855ce25c0ddownload (3).png', and 'c68a1319-983e-4b3f-9b6f-d81b9a10e15fRamacharitramans.jpg'. The objects are listed in a table with columns for Name, Type, Last modified, Size, and Storage class. A yellow sticky note is visible at the top of the screen.



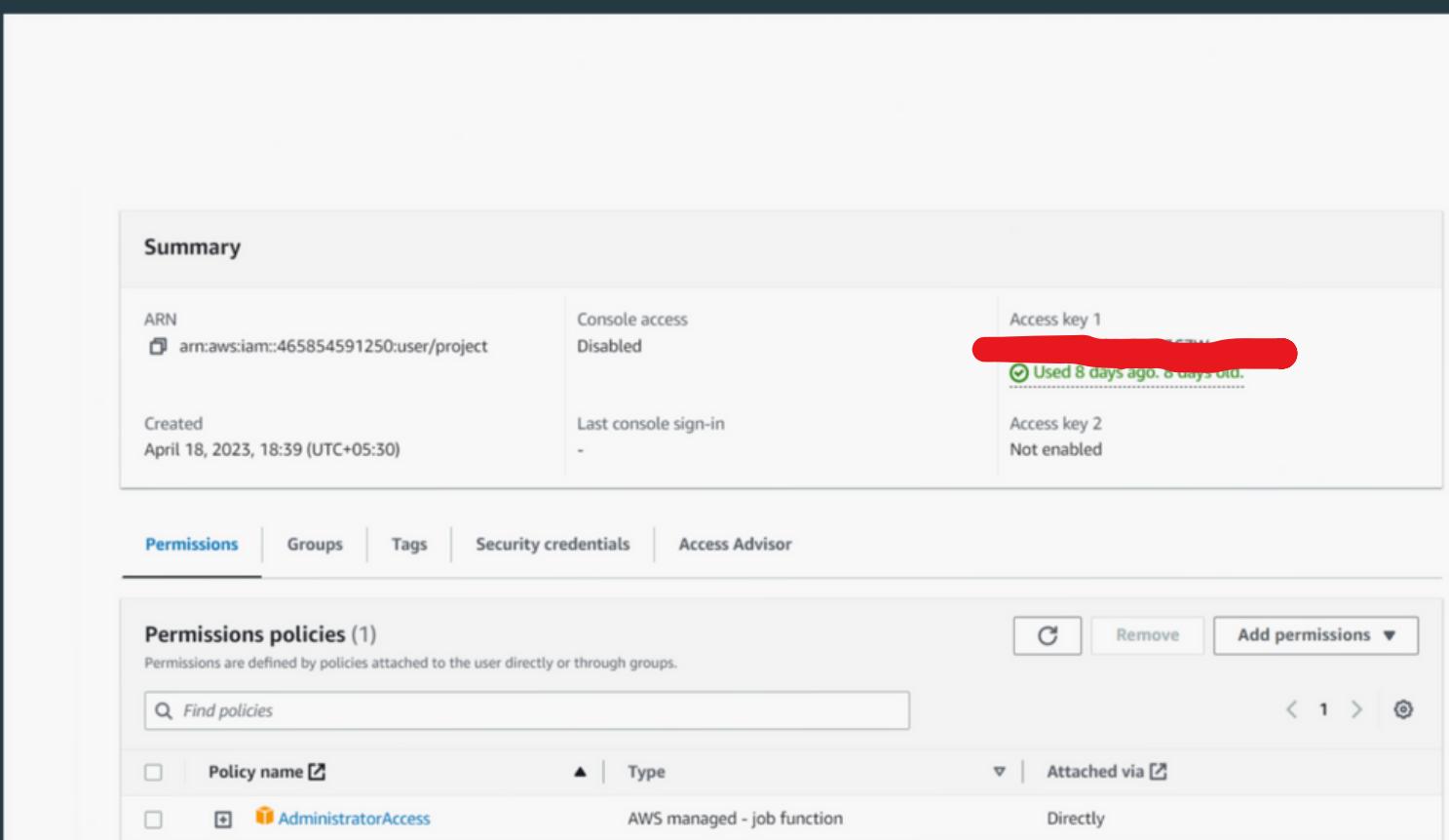
A screenshot of the Amazon DynamoDB console showing the results of a query. A green message bar at the top says 'Completed. Read capacity units consumed: 2'. Below it, a table titled 'Items returned (5)' shows five book entries. Each entry includes fields such as id, type, author, createdAt, and description. A yellow sticky note is visible at the top of the screen.

	id	_type	author	createdAt	description
1	2badda90-56a8-4c5b...	Book	Suzanne Co...	2023-04-2...	ABCD
2	6b00b23b-deae-411e...	Book	William Gol...	2023-04-2...	Lord of the Fli...
3	bc274f7d-c647-4395...	Book	JK Rowling	2023-04-1...	"Harry Potter ...
4	7eb38cdc-345c-485b...	Book	Sant Tulsidas	2023-04-1...	The word Ra...
5	e75952ea-3cab-414a...	Book	J R R Tolkien	2023-04-1...	Set in Middle...

# AWS AMPLIFY AND IAM CONFIGURATION



- IAM (Identity and Access Management) is a critical service in AWS (Amazon Web Services) that enables you to manage access to your AWS resources securely. With IAM, you can create and manage AWS users and groups, and grant them permissions to access AWS resources.
- IAM allows you to control who has access to your AWS resources and what actions they can perform. You can define and manage access policies that specify which AWS services and resources are accessible, and what actions are allowed for each user or group.
- IAM also enables you to create and manage AWS security credentials such as access keys, which are used to access AWS services programmatically. You can also use IAM to grant access to your AWS resources to other AWS accounts, third-party users, and applications.



AWS Amplify is a development platform that provides a set of tools and services for building modern web and mobile applications. One of its core features is the ability to create and deploy web applications quickly and easily.

- Amplify offers a wide range of services and features that make it easy to create and manage web applications. Here are some of the key features of AWS Amplify for websites:
  - Front-end framework support: Amplify provides support for popular front-end frameworks such as React, Angular, and Vue. You can use these frameworks to build the user interface of your web application.
  - Hosting: Amplify provides a fully managed hosting service that enables you to deploy your web application to the cloud easily. You can also customize your hosting environment by configuring options such as SSL/TLS certificates, custom domains, and redirects.
  - Continuous deployment: Amplify supports continuous deployment, which means that your web application is automatically deployed to the cloud whenever changes are made to your codebase. This enables you to iterate and update your application quickly.
  - Authentication and authorization: Amplify provides a set of services for authentication and authorization, including user authentication, social login, and multi-factor authentication. You can use these services to secure your web application and control access to your resources.
  - API integration: Amplify provides integration with AWS API Gateway, which enables you to create and manage APIs for your web application easily.

The screenshot shows the AWS Amplify console interface. At the top, there are two tabs: "Hosting environments" (selected) and "Backend environments". The "Hosting environments" tab displays a summary of connected branches, showing one branch named "main" with a status of "Continuous deploys set up with prod backend (Edit)". It includes a preview icon, a link to the application (https://main.amplifyapp.com), and deployment details: Last deployment on 4/21/2023 at 2:07:24 PM, Last commit on 4/21/2023 at 2:07:24 PM from GitHub - main, and Previews Disabled. A "Connect branch" button is also present. Below this, there is a "Latest deployment activity" table showing deployment logs for various resources:

Time	Resource ID	Deployment status	Reason
4/21/2023, 2:10:57 PM	amplify-books-prod-184138	UPDATE_COMPLETE	-
4/21/2023, 2:10:57 PM	authbooksf00270b0 (auth)	UPDATE_COMPLETE	-
4/21/2023, 2:10:56 PM	apibooks (api)	UPDATE_COMPLETE	-
4/21/2023, 2:10:45 PM	functionprocesspayment (function)	UPDATE_COMPLETE	-
4/21/2023, 2:10:45 PM	functionordercreation (function)	UPDATE_COMPLETE	-

At the bottom of the screenshot, there are three icons: a red heart, a magnifying glass, and a share symbol, followed by a bookmark icon.

# AMAZON COGNITO

- Amazon Cognito is a user authentication and authorization service provided by Amazon Web Services (AWS). It allows you to easily add user sign-up, sign-in, and access control to your web and mobile apps.
- In addition to its authentication and authorization capabilities, Cognito also provides a range of other features, such as user profile management, social identity integration, and scalable user data synchronization across multiple devices.



### User pool overview

User pool name	ARN	Created time
booksf00270b0_userpool_f00270b0-prod	<a href="#">arn:aws:cognito-idp:us-east-1:465854591250:userpool/us-east-1_LX1yxDPMe</a>	April 18, 2023 at 19:05 GMT+5:30
User pool ID	Estimated number of users	Last updated time
<a href="#">us-east-1_LX1yxDPMe</a>	1	April 18, 2023 at 19:05 GMT+5:30

#### Getting started

[Users](#) [Groups](#) [Sign-in experience](#) [Sign-up experience](#) [Messaging](#) [App integration](#) [User pool properties](#)

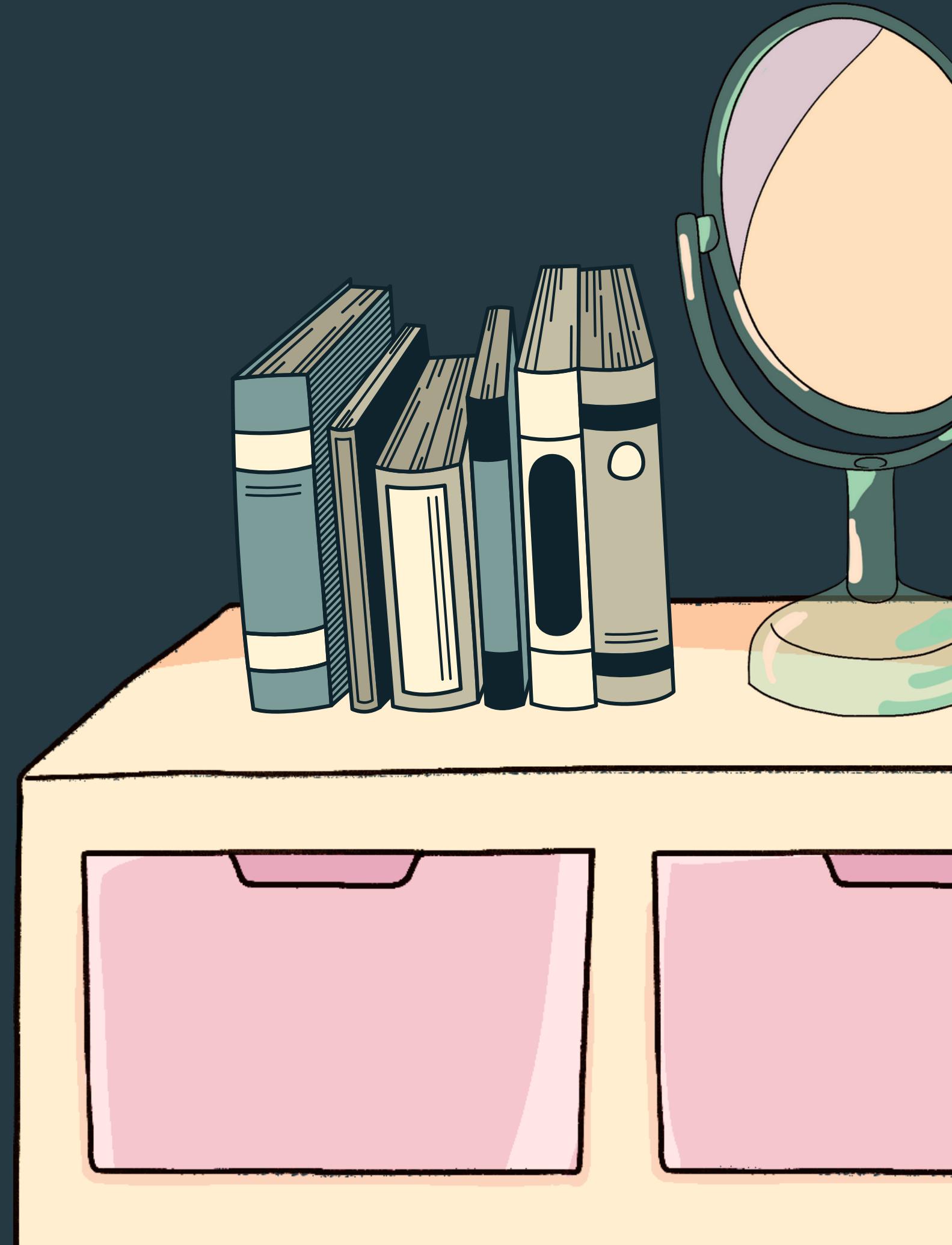
#### Users (1) [Info](#)

View, edit, and create users in your user pool. Users that are enabled and confirmed can sign in to your user pool.

Property: [User name](#)

User name	Email address	Email verified	Confirmation status	Status
<a href="#">pranati</a>	cmpn.20102a0022@gm...	Yes	<a href="#">Confirmed</a>	<a href="#">Enabled</a>

# STRIPE & FRONT-END

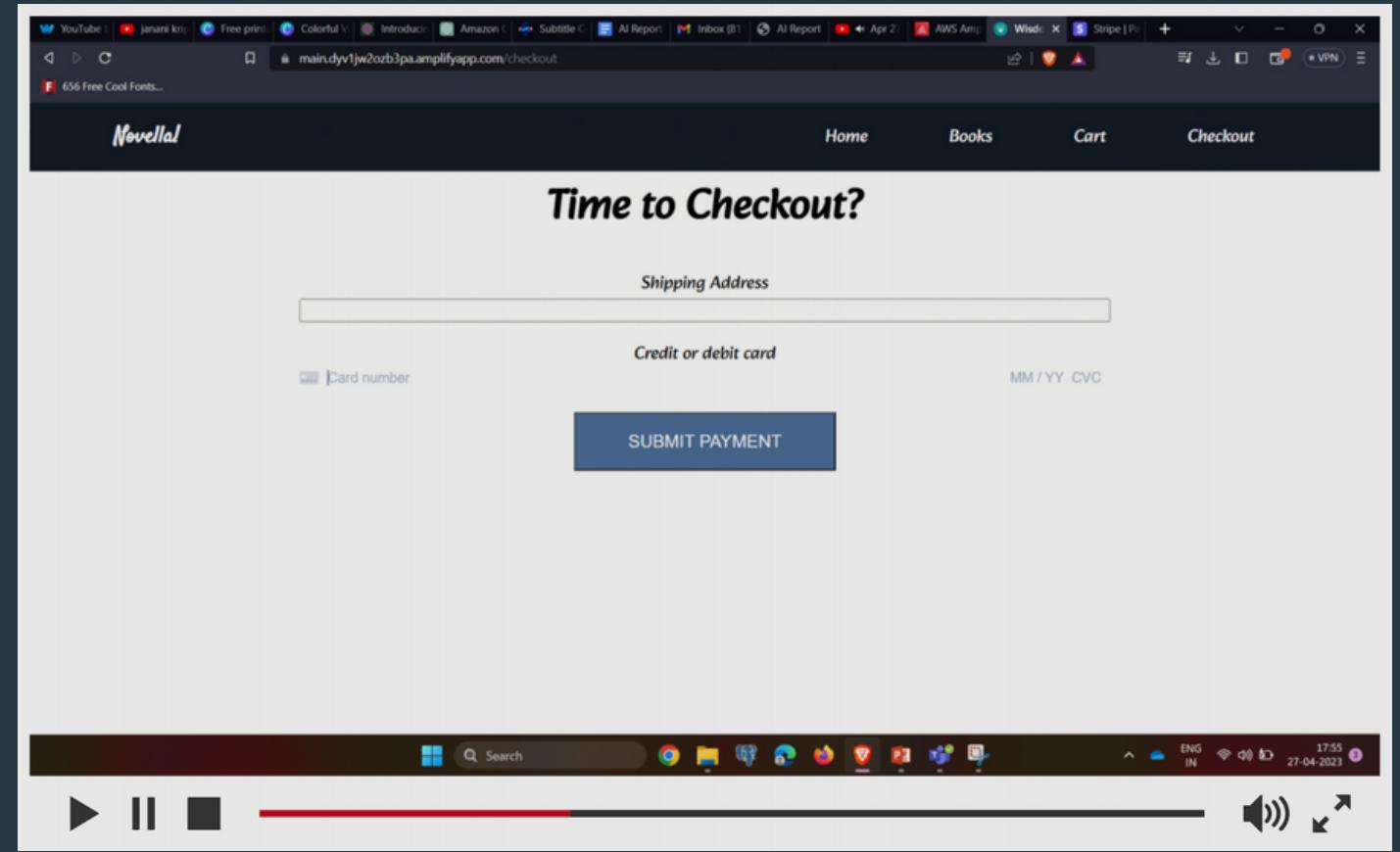


## **STRIPE**

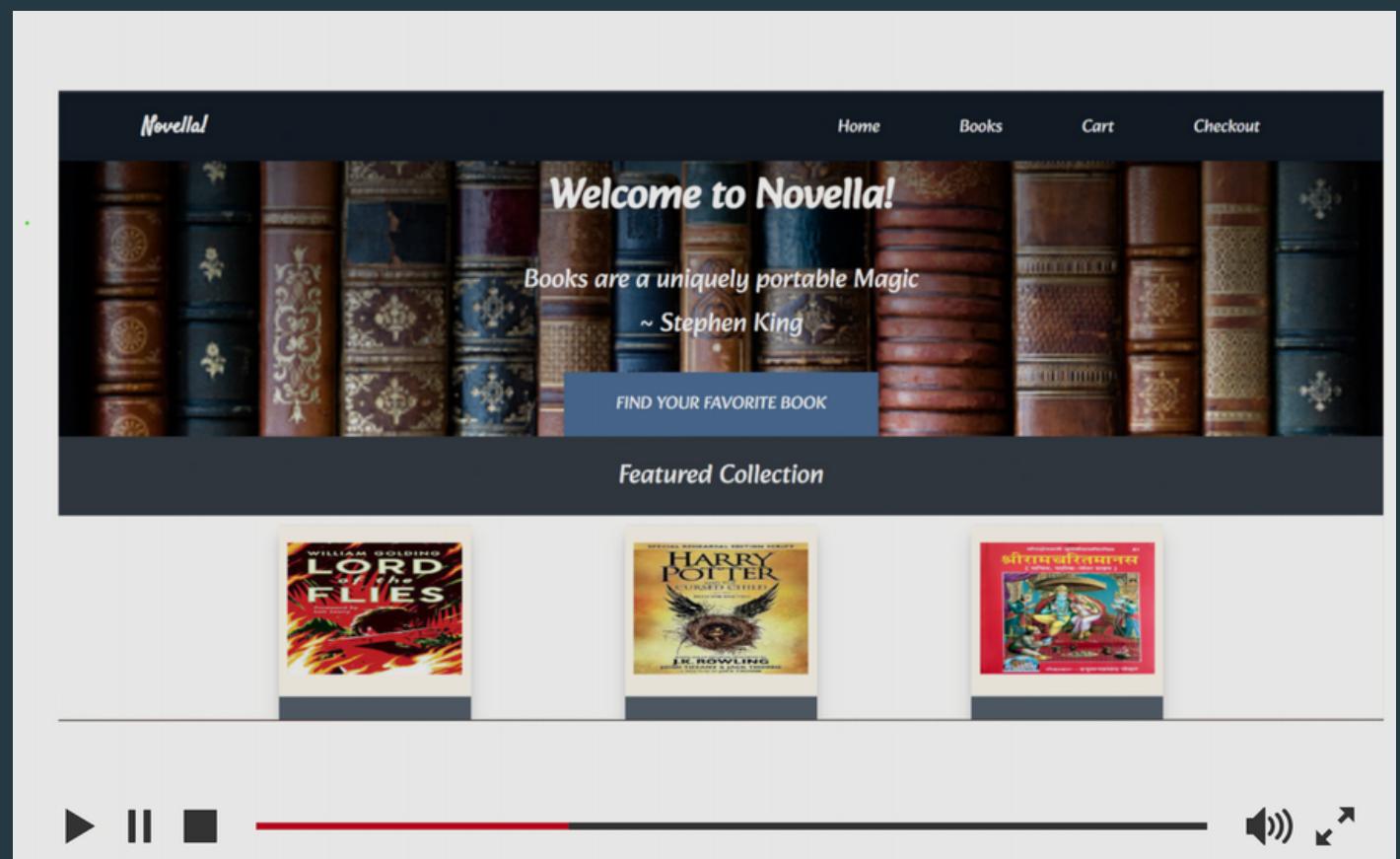
Stripe is a payment processing platform that allows businesses to accept and manage online payments. It provides tools and APIs that make it easy for developers to integrate payment processing into their web or mobile applications.

Novella uses ReactJS for the front end and NodeJS for the back end. It enables admin users to add new books and guest users to choose their favorite books and buy from our online store.

**FRONT-END**



Stripe enabled for processing payments



Website Front-End

**Books are  
one's best  
friends!**



# PRESENTED BY



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**THANK YOU FOR  
LISTENING!**