

**BookB**

# **BookB** Store

Version 1.0

**AUTHOR**

MD RASHID

Senior Developer & Team Coordinator

## Introduction

The Book Store E-commerce Application is a robust and user-friendly web-based platform developed using Python Django, JavaScript, jQuery, Bootstrap, FontAwesome, django-celery, and Redis server. It provides a seamless shopping experience for users, enabling them to register, login, recover forgotten passwords, and interact with a vast collection of books. The application incorporates various features such as cart management, secure checkout, email notifications, and administrative tools for managing books and sending promotional emails.

### Key Features:

#### User Registration and Login:

1. Users can create an account by registering with their email address and a secure password. Upon successful registration, users receive a confirmation email welcoming them to the platform. They can then log in to their accounts using their credentials.

#### Forgot Password Functionality:

2. In case users forget their passwords, the application offers a password recovery option. Users can initiate the password reset process by providing their registered email address. An email with a password reset link is sent to the user's email account, allowing them to set a new password and regain access to their account.

#### Administrative Tools:

3. The application includes an admin interface that provides super users with powerful management capabilities. Admin users can add, edit, and remove books from the inventory, update book details such as title, author, price, and availability, and manage user accounts. Additionally, admins have the option to send promotional emails to registered users, helping to promote new arrivals or special offers.

# BookB

## Cart Management:

4. Users can conveniently add books to their shopping cart while browsing the extensive collection. The application allows users to add multiple copies of the same book or different books to their cart. They can review the contents of their cart, modify quantities, and remove items as needed.

## Secure Checkout:

5. The Book Store E-commerce Application ensures a secure and hassle-free checkout process. Users can proceed to the checkout page from their cart, review the order summary, and enter their shipping and billing information. The application provides a sample payment template, which can be easily integrated with a preferred payment gateway to handle secure online transactions.

## Email Notifications:

6. The application utilizes django-celery and Redis server to perform background tasks efficiently. Users receive email notifications at various stages of their interaction with the platform, such as registration confirmation, password reset links, order confirmation, and shipment details. These email notifications keep users informed and engaged throughout their shopping experience.

## Technology Stack

The Book Store E-commerce Application is built using the following technologies and frameworks:

Python Django:

1. Django is a powerful Python web framework that provides the foundation for the application. It offers an elegant and efficient approach to web development, enabling rapid development and easy scalability.

JavaScript (JS) and jQuery:

2. JavaScript and jQuery are used to enhance the user interface and provide dynamic and interactive elements. They enable smooth navigation, real-time updates, and user-friendly features throughout the application.

Bootstrap:

3. Bootstrap is a popular CSS framework that ensures a responsive and mobile-friendly design. It provides a range of pre-built components and layouts, simplifying the development process and ensuring a consistent user experience across devices.

FontAwesome:

4. FontAwesome is an iconic font and CSS toolkit that offers a wide range of scalable vector icons. It enhances the visual appeal of the application and provides intuitive and recognizable icons for various actions and functionalities.

django-celery and Redis Server:

5. django-celery is a powerful task queueing library integrated with Django, while Redis server acts as a broker for celery.

## PROJECT SETUP

Requirements:

- Python3.6+
- Django 3.2 web framework
- Postgresql
- Django celery
- Redis server

Create virtual environment using

**python3 -m venv venv**

**Active** → **source ./venv/bin/activate** ( in linux )

Install all dependencies by running

**pip install -r requirements.txt**

Run Migrate

**python manage.py migrate**

Run redis-server

**redis-server** ( in linux )

By default it is listening to port 6379 update below configurations if its uses different port using **settings.py** file

```
# CELERY STUFF
BROKER_URL = 'redis://localhost:6379'
CELERY_RESULT_BACKEND = 'redis://localhost:6379'
CELERY_ACCEPT_CONTENT = ['application/json']
CELERY_TASK_SERIALIZER = 'json'
CELERY_RESULT_SERIALIZER = 'json'
CELERY_TIMEZONE = 'Asia/Calcutta'
```

Create a **.env** file using **.env.example** file, add required informations

```
ENGINE=django.db.backends.postgresql
NAME=db-name
USER=username
PASSWORD=password
HOST=localhost
PORT=5432

# # EMAIL Settings
EMAIL_BACKEND=django.core.mail.backends.smtp.EmailBackend
EMAIL_HOST=smtp.gmail.com
EMAIL_PORT=587
EMAIL_HOST_USER=''
EMAIL_HOST_PASSWORD='*****'
EMAIL_USE_TLS=True
```

Create superuser

**python manage.py createsuperuser**

Run default setup to populate values

**python manage.py configure\_default**

## REGISTER PAGE

**BookB** Store

Sign InRegister

# Register

**Email**

Enter Email

**Password**

Enter Password

**Repeat Password**

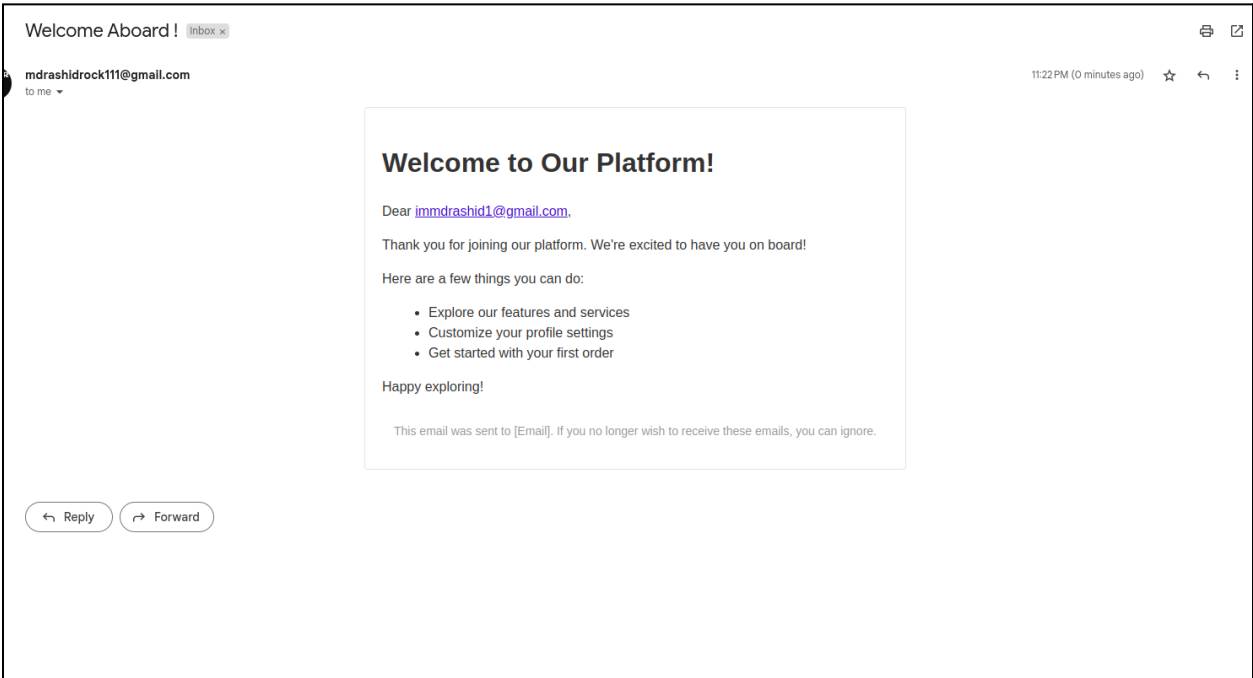
Repeat Password

By creating an account you agree to our [Terms & Privacy](#).

Register

Already have an account? [Sign in](#).

EMAIL AFTER REGISTRATION





HOME PAGE

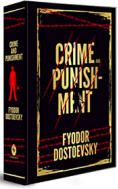
BookB Store

Sign in

Register

Search by author, title, genre etc

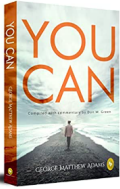
Search



Crime an...  
\$499.0

This is an exquisite hardbound edition of Fyodor ...

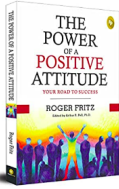
Add to Cart



You Can  
\$999.0

Do you often wonder whether you really have it in...

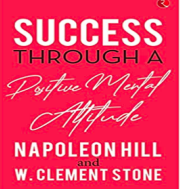
Add to Cart



The Powe...  
\$1499.0

Have you ever wondered how your attitude can infl...

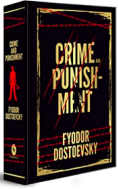
Add to Cart



SUCCESS THROUGH A  
Positive Mental  
Attitude  
NAPOLEON HILL  
and  
W. CLEMENT STONE  
Success ...  
\$1333.0

A talisman for success This book takes you throug...

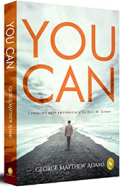
Add to Cart



Crime an...  
\$499.0

This is an exquisite hardbound edition of Fyodor ...

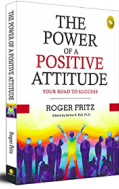
Add to Cart



You Can  
\$999.0

Do you often wonder whether you really have it in...

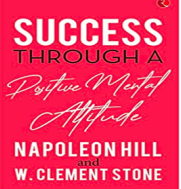
Add to Cart



The Powe...  
\$1499.0

Have you ever wondered how your attitude can infl...

Add to Cart



SUCCESS THROUGH A  
Positive Mental  
Attitude  
NAPOLEON HILL  
and  
W. CLEMENT STONE  
Success ...  
\$1333.0

A talisman for success This book takes you throug...

Add to Cart

## LOGIN PAGE

BookB Store

Sign InRegister

# Login

Email

Enter Email

Password

Enter Password

Login

Don't have an account? click here to register [Sign Up.](#)

Forgot Password ? click here to reset [Forgot password.](#)

## FORGOT PASSWORD FEATURE

**BookB** Store

Sign InRegister

# Forgot Password

Email

immdrashid1@gmail.com

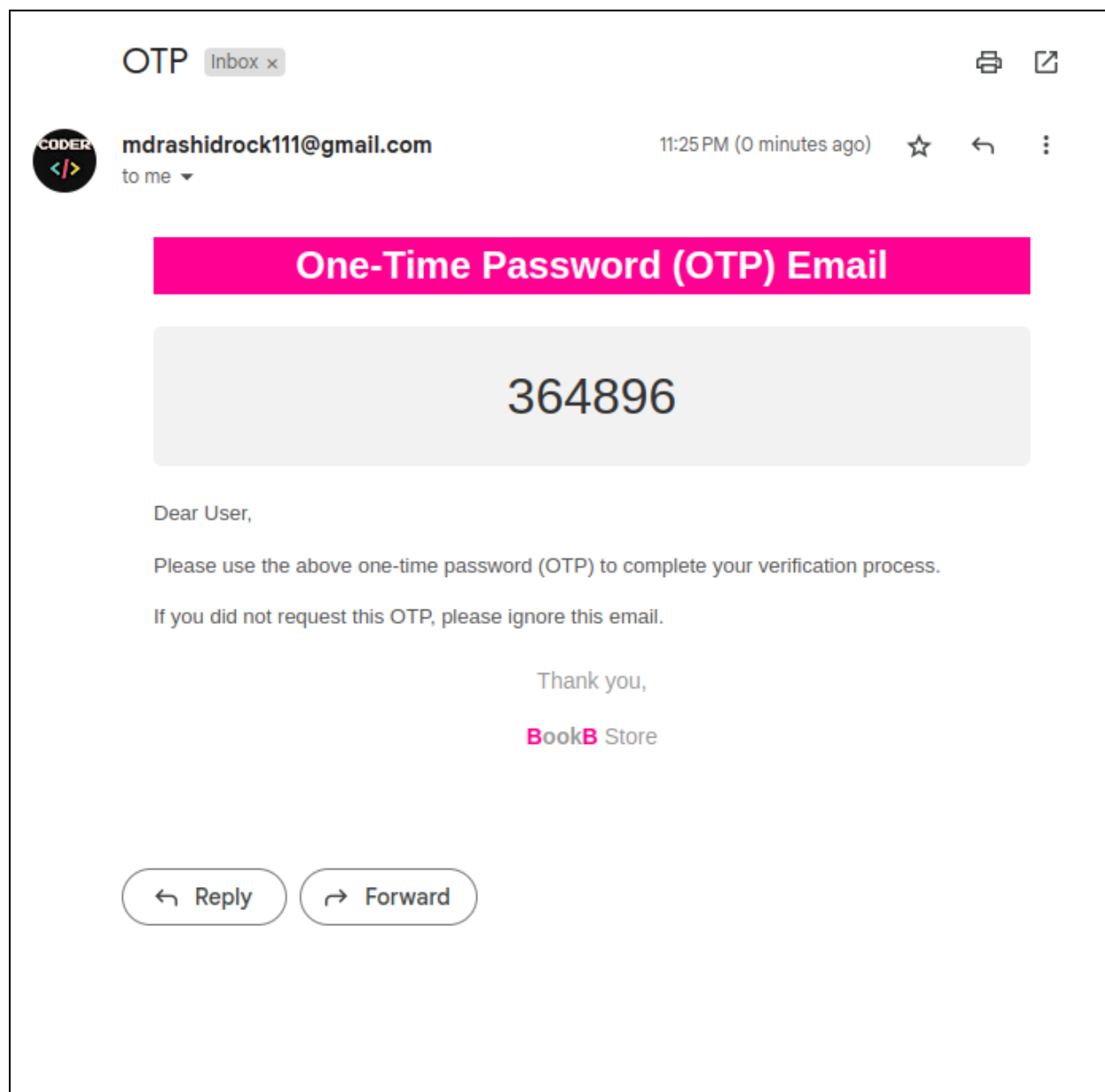
OTP

Enter OTP

Verify OTP

Already have an account? [Sign in.](#)

## OTP MAIL



## RESET PASSWORD

### Forgot Password

Email

immdrashid1@gmail.com

OTP

Enter OTP

OTP Verified

### Update Password

New Password

Enter Password

Confirm Password

Enter Password Again

Update Password

Already have an account? [Sign in.](#)


## LOGIN WITH EMPLOYEE

ADD ITEM TO CART

BookB Store

Search by author, title, genre etc

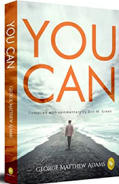
Search



Crime an...  
\$499.0

This is an exquisite hardbound edition of Fyodor ...

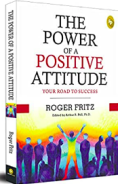
Added To Cart



You Can  
\$999.0

Do you often wonder whether you really have it in...

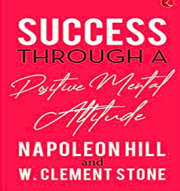
Add to Cart



The Powe...  
\$1499.0

Have you ever wondered how your attitude can infl...

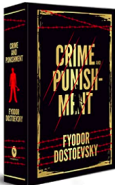
Added To Cart



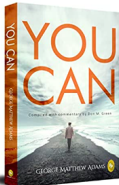
Success ...  
\$1333.0

A talisman for success This book takes you throug...

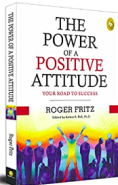
Add to Cart



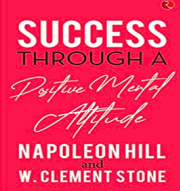
Crime an...



You Can



The Powe...







Success

CART LIST

BookB Store

2

0

S.No	Book	Name	Price	Items	Total Price	Action
1		Crime and Punishment (Deluxe Hardbound Edition)	\$499.0	1	\$499.0	
2		The Power of A Positive Attitude	\$1499.0	1	\$1499.0	

Checkout





RAISE TICKET

BookB Store

0

0

Md Rashid

Need Refund

I need help to cancel my product.

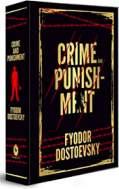
Submit

DARK THEME FEATURE

BookB Store

Search by author, title, genre etc

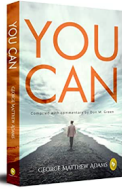
Search



Crime an...  
\$499.0

This is an exquisite hardbound edition of Fyodor ...

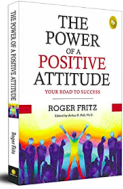
Add to Cart



You Can  
\$999.0

Do you often wonder whether you really have it in...

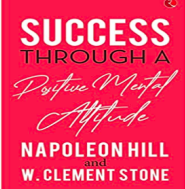
Add to Cart



The Powe...  
\$1499.0

Have you ever wondered how your attitude can infl...

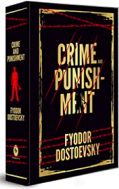
Add to Cart



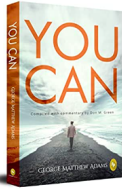
Success ...  
\$1333.0

A talisman for success this book takes you through...

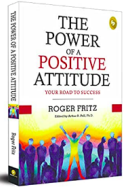
Add to Cart



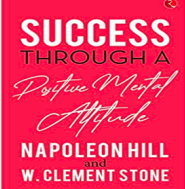
Crime an...



You Can













The Powe...



Success

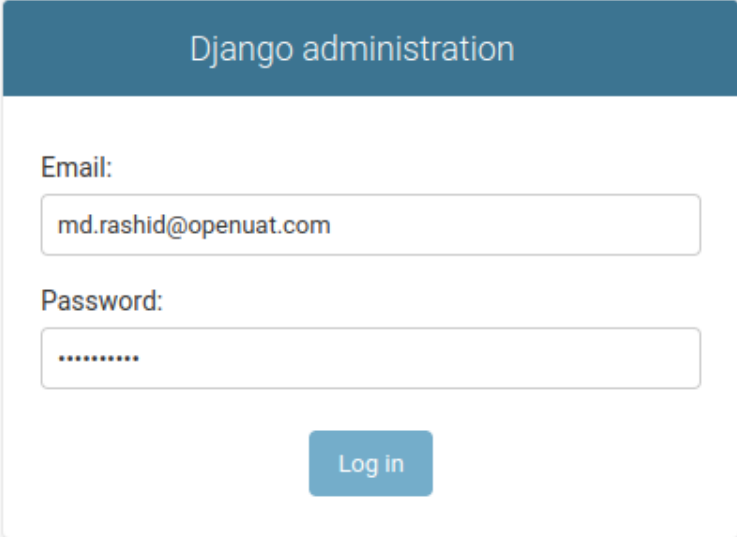
BookB Store



S.No	Book	Name	Price	Items	Total Price	Action
1		Crime and Punishment (Deluxe Hardbound Edition)	\$499.0	1	\$499.0	
2		The Power of A Positive Attitude	\$1499.0	1	\$1499.0	

Checkout

## ADMIN ( ONLY FOR SUPERUSER )



The image shows a Django administration login interface. It features a dark blue header with the text "Django administration". Below the header, there are two input fields: "Email:" and "Password:". The "Email:" field contains the text "md.rashid@openuat.com". The "Password:" field contains a series of dots, indicating a masked password. Below the password field is a blue "Log in" button.

Django administration

Email:

md.rashid@openuat.com

Password:

.....

Log in

MANAGE BOOK

WELCOME, MD.RASHID@OPENUAT.COMVIEW SITE / CHANGE PASSWORD / LOG OUT

Select books to change

Add Books +

Q

Search

Action:  Go 0 of 4 selected

<input type="checkbox"/>	TITLE	AUTHOR	GENRE	PUBLISHER	PRICE
<input type="checkbox"/>	Success Through a Positive Mental Attitude	George Matthew Adams	money	kindle	1333.0
<input type="checkbox"/>	The Power of A Positive Attitude	Roger Fritz	money	kindle	1499.0
<input type="checkbox"/>	You Can	George Matthew Adams	money	kindle	999.0
<input type="checkbox"/>	Crime and Punishment (Deluxe Hardbound Edition)	Fyodor Dostoevsky	Drama	kindle	499.0

4 books

Add books

Title:

Author:

Genre:

Thumbnail:

Choose file

No file chosen

Descriptions:

Publisher:

Price:

Total stock:

0

☐ In stock

Save and add another

Save and continue editing

SAVE

BASIC FEATURE TO MANAGE TICKET

Select ticket to change

ADD TICKET +

Q

Search

Action:

Go

0 of 1 selected

<input type="checkbox"/>	PK TICKET	FK USER	SUBJECT	DESCRIPTION	IS CLOSED
<input type="checkbox"/>	1	mdrashidrock222@gmail.com	Return Amount	I need to return my book	

1 ticket

Change ticket conversation

HISTORY

TicketConversation object (1)

Fk ticket:

Ticket object (1)

Text:

I need to return my book

Name:

Rashid

Admin name:

BookB Admin

Delete

Save and add another

Save and continue editing

SAVE

## SEND PROMOTIONAL EMAIL ( BULK OR CUSTOM )

**BookB** StoreAdmin🌙?☰🛒0✉0➡

### Promotion Mail

**Subject**

Diwali Offer 20% Discount

rashid@test.com

bhaves@test.com

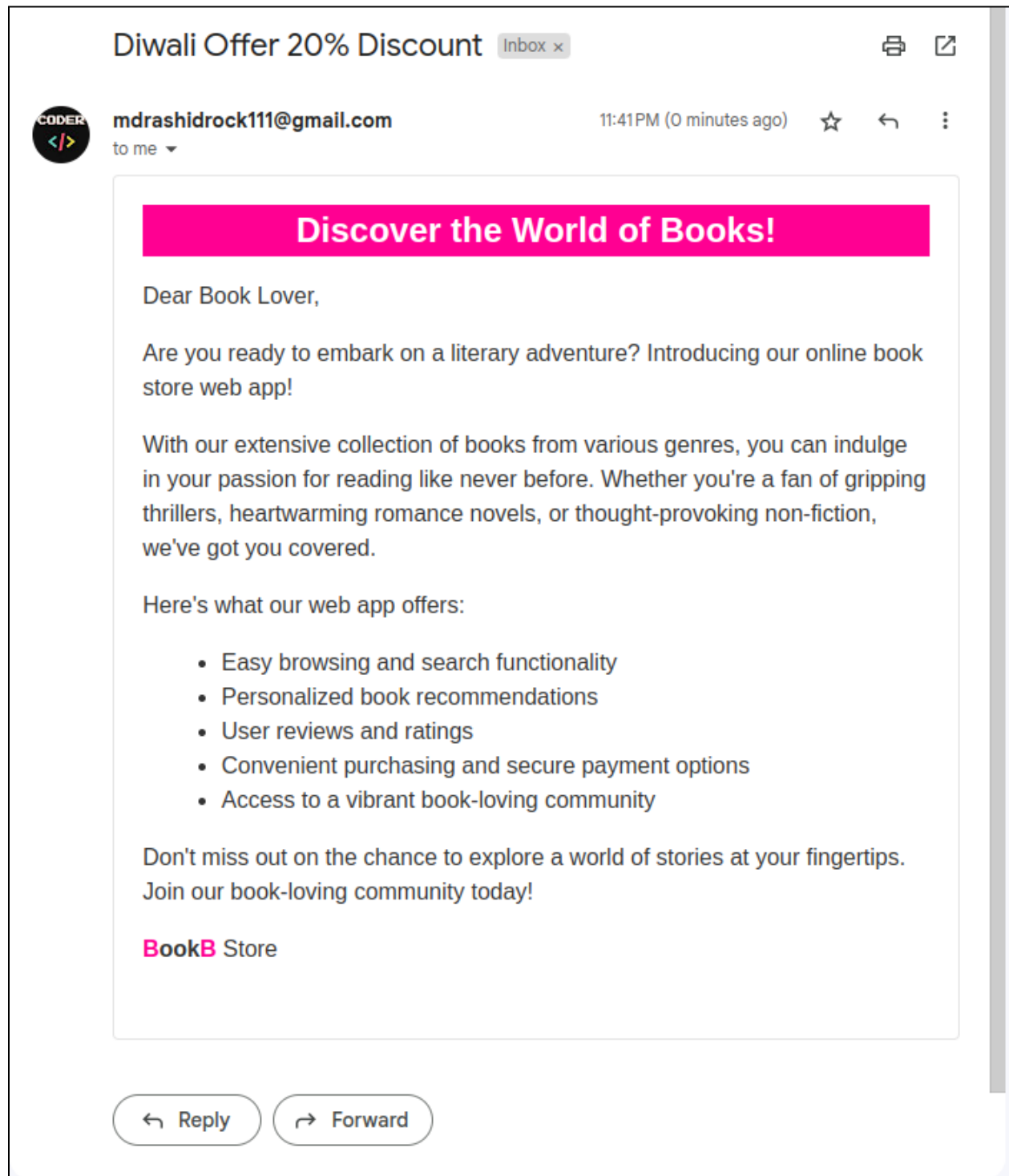
immdrashid1@gmail.com

md.rashid@openuat.com

cust@openuat.com

Send Email

## PROMOTIONAL EMAIL TEMPLATES





SEARCH FEATURE  
(by title, author, genre )

