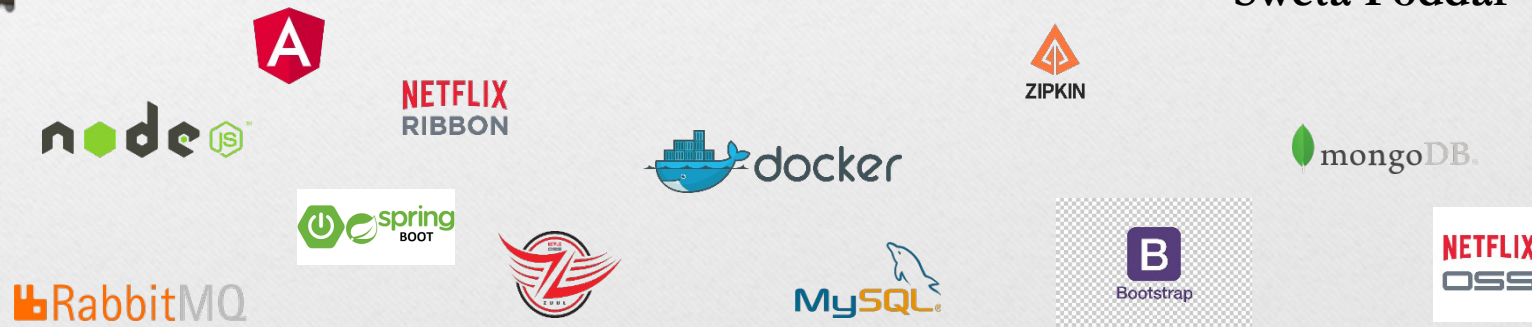


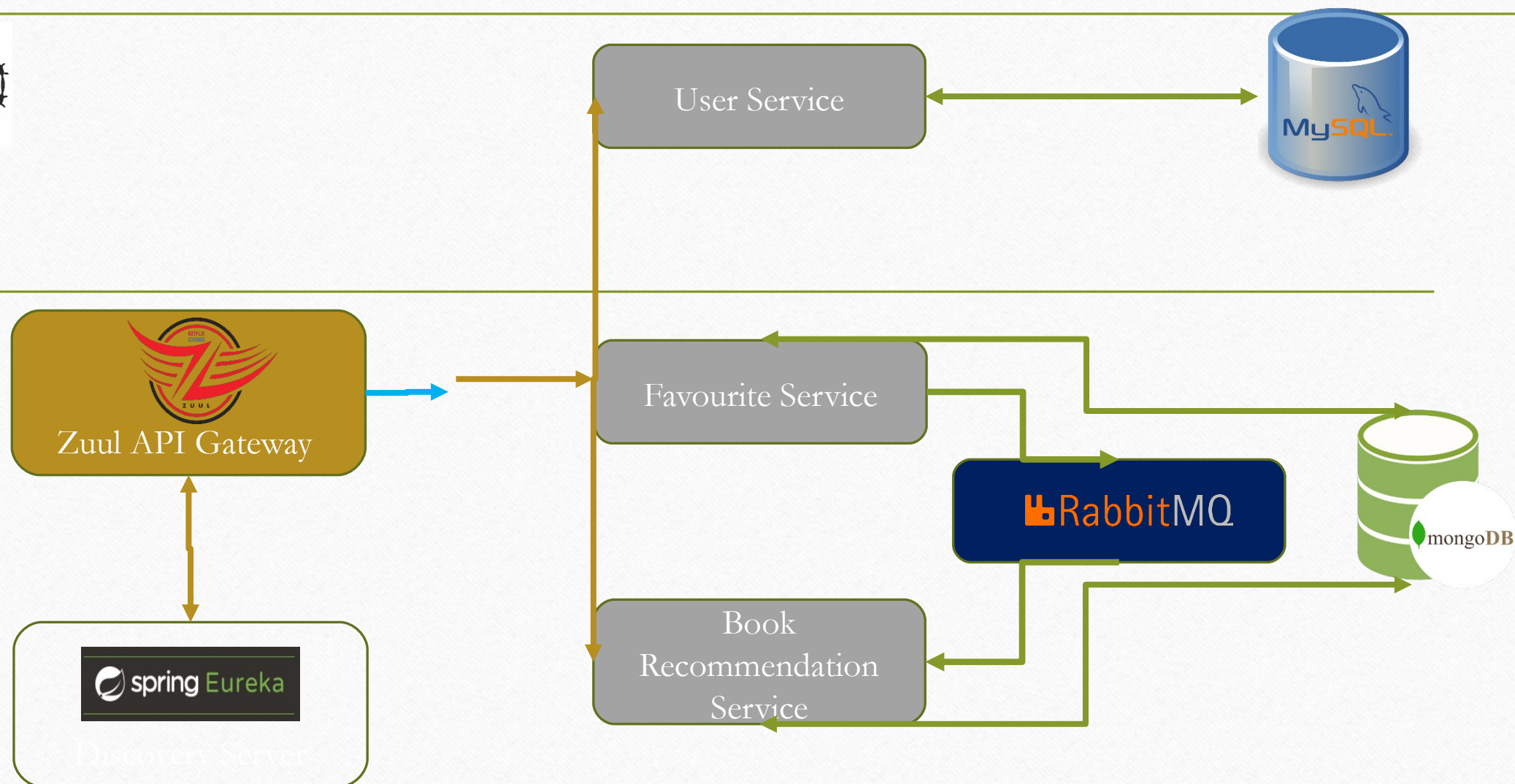


Book Library

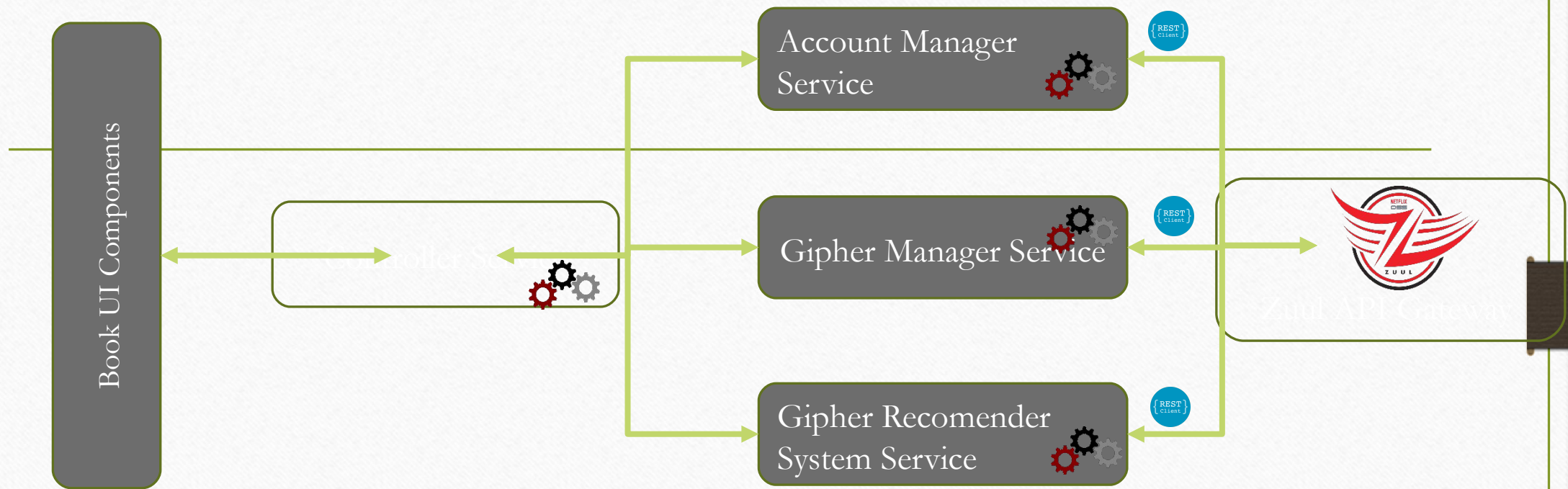
Sweta Poddar



Book Library Micro Services Architecture



Book UI Architecture



Header Component

Search Component

Login Component

Register Component

Favourite Component

Book-View
Component

Footer Component

Error Component

Dashboard Component

Recommended
Component

My Favourites
Component



Controller
Service



API Documentation (Swagger)

UserService

localhost:9300/swagger-ui.html#/



Select a spec

default

Userservice Service API ^{1.0}

[Base URL: localhost:9300/]

<http://localhost:9300/v2/api-docs>

User Service

[Terms of service](#)

[UserService 1.0](#)

user-authentication-controller User Authentication Controller

POST /api/v1/auth/isAuthenticated Validate given JWT Token set in Header Authorization .

POST /api/v1/auth/login Authenticate user by email and Password

POST /api/v1/auth/register Will create a User by reading the object from request body and save the User object in database

Models

Favourite Service

localhost:9400/swagger-ui.html#/favourite-service-controller



Select a spec

default

Favourite Service API ^{1.0}

[Base URL: localhost:9400/]

<http://localhost:9400/v2/api-docs>

Favourite Service

[Terms of service](#)

[Favourite Service 1.0](#)

favourite-service-controller Favourite Service Controller

POST

/api/v1/addFavourite Add Book to Favourites. (Note: Message will be posted to RabbitMQ Server for external Micro Service to increase Recommendation Count)

GET

/api/v1/favourite/{username} Returns all Favourites Books of the Logged In User.

DELETE

/api/v1/favourite/{username}/{bookID} Remove Books from Favourites.

Models

Recommendation Service

localhost:9500/swagger-ui.html#/book-recommendation-controller



Select a spec

default

Recommendation Service API ^{1.0}

[Base URL: localhost:9500/]

<http://localhost:9500/v2/api-docs>

Recommendation Service for Book API

[Terms of service](#)

[@IBM License](#)

book-recommendation-controller Book Recommendation Controller

GET

/api/v1/recommended Returns all Recommended Books based on Favourites Count.

Models

Book UI-Screenshots


On Big and Small Devices..



Large devices Screenshots


Login Page





 Book Library

Dashboard

Login Register



Book Library

 Email

 Password


Login

New User? [Register.](#)

 © swetpodd@in.ibm.com


Registration Page





 Book Library


Dashboard


Login Register



Book Library

 First Name

 Last Name






 Email

 Password

 confirm Password


Register

Already have an account? [Login](#).

     © swetpodd@in.ibm.com

Dashboard Before Login




 Book Library

Dashboard

Login Register


Search Book

Genre: Goal (Psychology)




John Steinbeck

[Read More](#)




Genre: Working class families -- Fiction




D. H. Lawrence

[Read More](#)




Genre: Accessible book

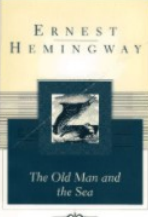


Richard Wagner

[Read More](#)




Genre: Fishers




Ernest Hemingway

[Read More](#)




Genre: Vocal scores with piano




Jean d' Ariège

[Read More](#)




Genre: Dadaism




Günter Metken

[Read More](#)




Genre: Fiction




Lucy Maud Montgomery

[Read More](#)




Genre: Art collections




Edward Quinn

[Read More](#)



Dashboard Post Logged- in as User "Advit"




 Book Library Welcome ADVIT


Dashboard Favorite Recommended Logout

Search Book


Genre: rebels




George Orwell

[Read More](#) 


Genre: Building stones




Bernard Shaw

[Read More](#) 


Genre: Authors, correspondence




Thomas Hardy

[Read More](#) 


Genre: Witches




L. Frank Baum

[Read More](#) 


Genre: England in fiction




John Galsworthy

[Read More](#) 


Genre: Spanish language books




Gabriel García Márquez

[Read More](#) 

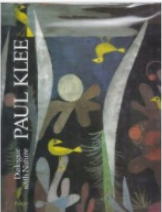
Genre: Cousins




Frances Hodgson Burnett

[Read More](#) 

Genre: Psychology




Paul Klee

[Read More](#) 


Favourite List




 Book Library Welcome ADVIT


Dashboard Favorite Recommended Logout

Search Book





Genre: *Goal (Psychology)*




[Read More](#) 


Genre: *Cousins*



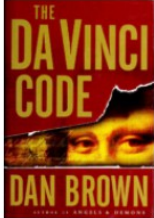
[Read More](#) 


Genre:




[Read More](#) 


Genre: *Aventures*



[Read More](#) 


Genre: *Accessible book*



[Read More](#) 

Recommended List



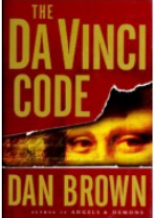
 Book Library Welcome ADVIT

Dashboard Favorite Recommended

Logout

Search Book

Genre: *Aventures*




Score : 2

Author : Dan Brown

Read More

Genre:




Score : 2

Author :

Read More

Genre: *Goal (Psychology)*

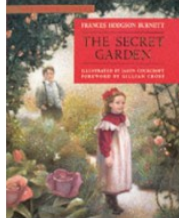


Score : 1

Author : John Steinbeck

Read More

Genre: *Cousins*




Score : 1

Author : Frances Hodgson Burnett

Read More

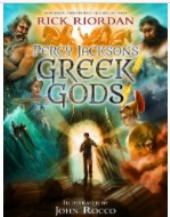
Genre: *Accessible book*



Score : 1

Author : William S. Lieberman

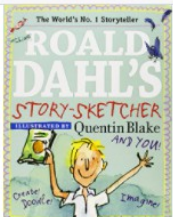
Genre: *Young adult fiction*



Score : 1

Author : Rick Riordan

Genre:




Score : 1

Author : Roald Dahl

Read More

Genre: *Accessible book*




Score : 1

Author : Jude Fisher

Read More

Search Result : for
Key="Angular"



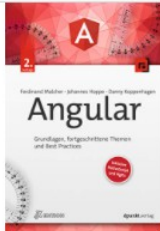
 Book Library Welcome DARSH

Dashboard Favorite Recommended Logout

Search Book


angular

Genre:

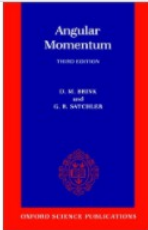


Ferdinand Malcher

Read More




Genre: Angular momentum (Nuclear physics)

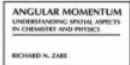


D. M. Brink

Read More




Genre: Angular momentum (Nuclear physics)




Richard N. Zare

Read More




Genre:




Sohail Salehi

Read More




Genre: Development

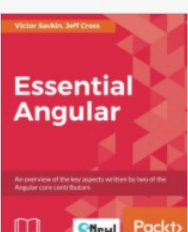


Brad Green

Read More




Genre:

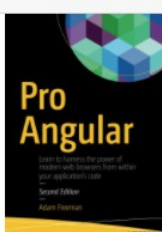


Victor Savkin

Read More




Genre: Web applications

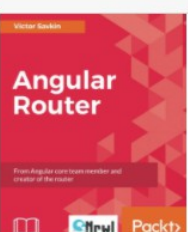


Adam Freeman

Read More




Genre:



Victor Savkin

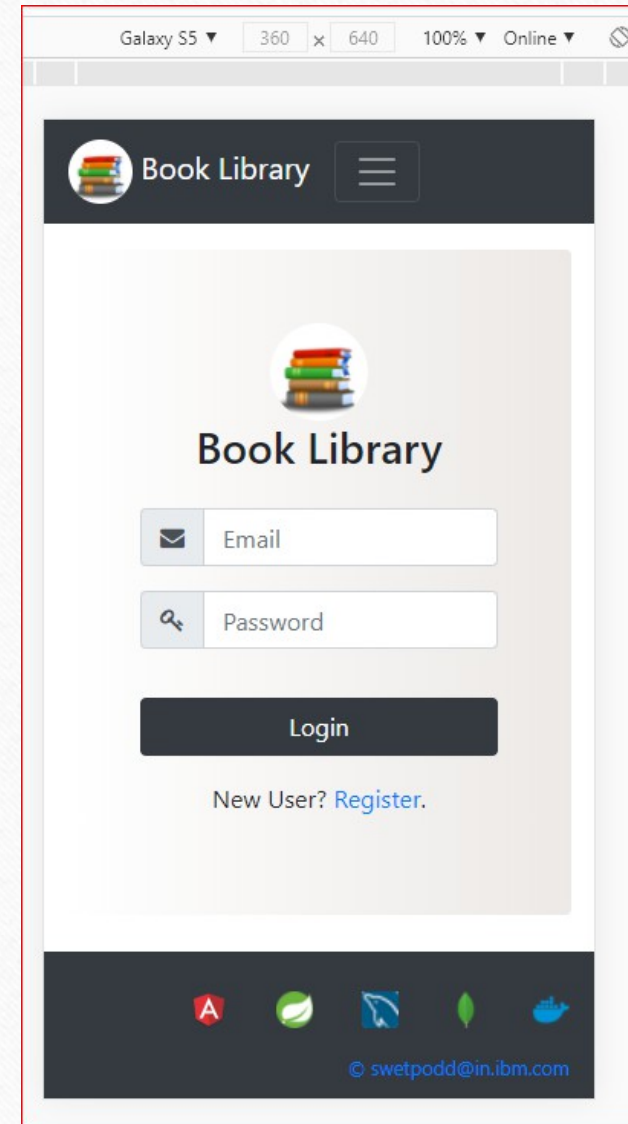
Read More







Small Devices Screenshots


Login Page




Registration Page





 Book Library 





Book Library





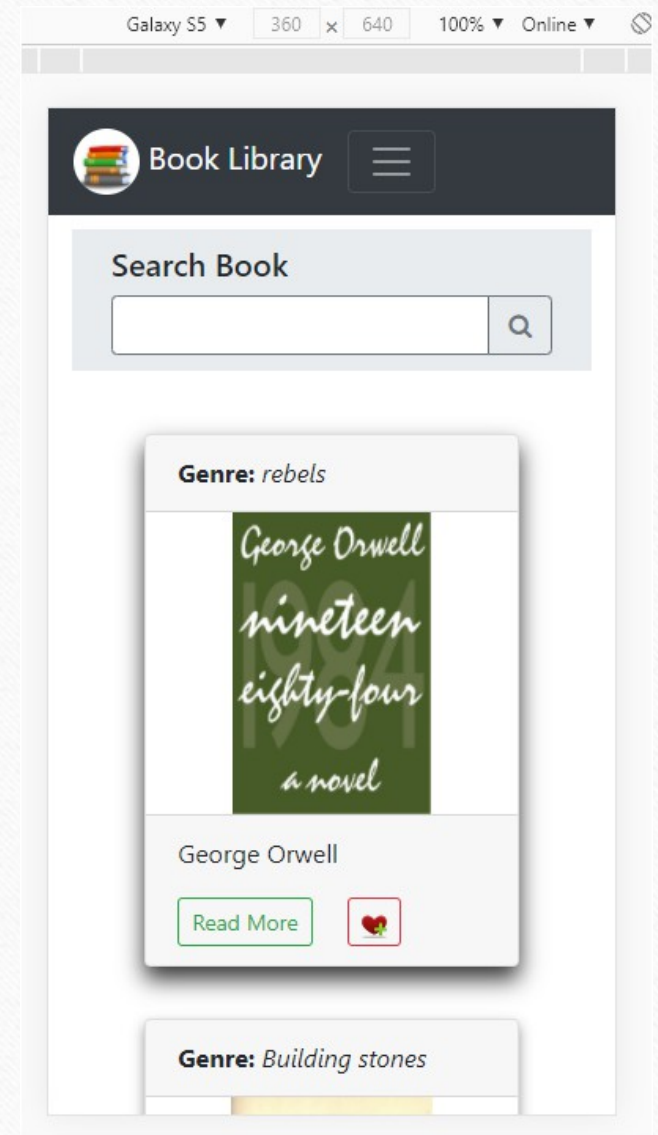








Already have an account? [Login.](#)

Dashboard Before Login




Dashboard Post Logged-
in as User "Darsh"

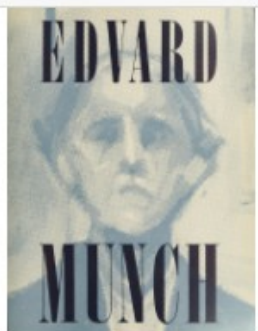


 Book Library 

Search Book




Genre: *Friends and associates*



Carla Lathe

[Read More](#)



Genre: *Continental*

Search Result : for
Key="Angular"



 Book Library

Welcome DARSH

Search Book

angular



Genre:



Ferdinand Malcher

Read More



Genre: Angular momentum



Eureka-Server

System Status

Environment	test	Current time	2020-11-29T12:58:52 +0000
Data center	default	Uptime	01:45
		Lease expiration enabled	false
		Renews threshold	8
		Renews (last min)	7

EMERGENCY! EUREKA MAY BE INCORRECTLY CLAIMING INSTANCES ARE UP WHEN THEY'RE NOT. RENEWALS ARE LESSER THAN THRESHOLD AND HENCE THE INSTANCES ARE NOT BEING EXPIRED JUST TO BE SAFE.

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
FAVOURITE-SERVICE	n/a (1)	(1)	UP (1) - localhost:favourite-service:9400
NETFLIX-ZUUL-API-GATEWAY-SERVER	n/a (1)	(1)	UP (1) - localhost:netflix-zuul-api-gateway-server:8079
RECOMMENDATION-SERVICE	n/a (1)	(1)	UP (1) - localhost:recommendation-service:9500
USER-SERVICE	n/a (1)	(1)	UP (1) - localhost:user-service:9300

General Info

Name	Value
total-avail-memory	62mb
environment	test
num-of-cpus	2
current-memory-usage	41mb (66%)
server-uptime	01:45



Rabbit MQ-Server



RabbitMQ 3.8.9 Erlang 23.1

Refreshed 2020-11-29 21:46:54 Refresh every 5 seconds ▾

Virtual host All ▾

Cluster rabbit@83d8b9bc2534

User guest Log out

[Overview](#) [Connections](#) [Channels](#) [Exchanges](#) **[Queues](#)** [Admin](#)

Queues

▼ All queues (1)

Pagination

Page 1 ▾ of 1 - Filter: ☐ Regex ?

Displaying 1 item , page size up to: 100

Overview					Messages			Message rates			+/-
Name	Type	Features			State	Ready	Unacked	Total	incoming	deliver / get	ack
greetings.anonymous.ODDyicHyTnCvEXs9EpiNBA	classic	AD	Excl	ML	<div><div></div>idle</div>	0	0	0	0.00/s	0.00/s	0.00/s

► Add a new queue

[HTTP API](#) [Server Docs](#) [Tutorials](#) [Community Support](#) [Community Slack](#) [Commercial Support](#) [Plugins](#) [GitHub](#) [Changelog](#)



Zipkin



🔄 RUN QUERY

⚙️ ▾

9 Results

EXPAND ALL

COLLAPSE ALL

Service filters ▾

Root	Start Time	Spans	Duration	
^ netflix-zuul-api-gateway-server: post	10 minutes ago (11/29 21:38:52:868)	2	128.623ms	SHOW
Trace ID: 86da81fb18111990				
netflix-zuul-api-gateway-server (2)				
▼ netflix-zuul-api-gateway-server: get	6 minutes ago (11/29 21:43:17:191)	2	89.798ms	SHOW
^ netflix-zuul-api-gateway-server: get	8 minutes ago (11/29 21:40:50:438)	2	78.399ms	SHOW
Trace ID: b4f645047de5cba4				
netflix-zuul-api-gateway-server (2)				
▼ netflix-zuul-api-gateway-server: options	8 minutes ago (11/29 21:40:50:367)	2	67.558ms	SHOW
▼ netflix-zuul-api-gateway-server: get	8 minutes ago (11/29 21:41:01:485)	2	59.826ms	SHOW
▼ netflix-zuul-api-gateway-server: options	6 minutes ago (11/29 21:43:17:141)	2	45.669ms	SHOW
▼ netflix-zuul-api-gateway-server: post	10 minutes ago (11/29 21:39:15:560)	2	45.018ms	SHOW
▼ netflix-zuul-api-gateway-server: post	10 minutes ago (11/29 21:39:24:035)	2	34.278ms	SHOW



Docker

docker

Sign in

Containers / Apps

Images

Search...

Sort by

docker-compose

RUNNING

docker-compose_books_ui_1

books_ui

RUNNING

PORT: 80

docker-compose_mongo_db_1

mongo:latest

RUNNING

PORT: 27017

docker-compose_rabbit_mq_1

rabbitmq:3-management

RUNNING

PORT: 15672

docker-compose_zipkin_1

openzipkin/zipkin

RUNNING

PORT: 9411

docker-compose_mysql_db_1

mysql

RUNNING

PORT: 3306

docker-compose_netflix_eureka_1

netflix_eureka

RUNNING

PORT: 8761

docker-compose_netflix_zuul_api_gateway_1

netflix_zuul

RUNNING

PORT: 8765

docker-compose_favouriteservice_1

favouriteservice

RUNNING

PORT: 9400

docker-compose_userservice_1

userservice

RUNNING

PORT: 9300

docker-compose_bookrecommendservice_1

bookrecommendservice

RUNNING

PORT: 9500

Book UI – Karma Test Cases

DEBUG

raise exceptions

☐

Thank you
