## SoundHolics - "The Sound of Soul"

- An E-Commerce web-app and android app

#### **ABSTRACT-**

This application is an e-commerce website that is concentrated for music lovers only. According to the question, we should select 5 categories and thus, are listed below -

- 1) Headphones
- 2) Earphones
- 3) Speakers
- 4) Earbuds
- 5) Audio Players

### **TECHNICAL COMPONENTS-**

The application is divided into front-end for a smooth user experience and back-end for all the core activities. The technologies incorporated are listed below -

- 1) Backend Spring boot, Firebase, MongoDB, Java
- 2) Frontend Vue.Js, HTML, CSS, JavaScript, Android Studio

#### LIBRARIES INCORPORATED-

- 1) Elastic Search
- 2) RetroFit
- 3) Guide
- 4) Kafka
- 5) Mongo repositories
- 6) Spring Data Jpa
- 7) Spring Cloud
- 8) Vuex

#### EXTERNAL API'S INCORPORATED-

- 1) Java Mail API
- 2) Spring Cloud API (PROXY)

#### MICROSERVICES-

- 1) Login
- 2) Merchant
- 3) Product
- 4) Order/Cart
- 5) Search
- 6) Rating

#### **ENTITIES-**

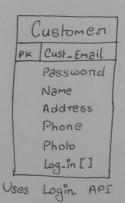
- 1) Customer: To buy audio devices (Firebase)
- 2) Order: Confirmed orders (NoSQL)
- 3) Merchant: To sell their audio devices (Firebase)
- 4) Products: List of the products (SQL)
- 5) Review: Ratings of all the products (NoSQL)
- 6) Cart: To store products (NoSQL)

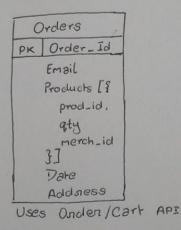
#### OAUTH-

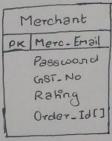
**OAuth** doesn't share password data but instead **uses authorization** tokens to prove an identity between consumers and service providers. **OAuth** is an **authentication** protocol that allows you to approve one application interacting with another on your behalf without giving away your password.

## **THE USER INTERFACE-**

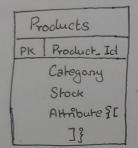
The UI shall be the same for the web-app and android application. Our UI has been divided into 2 sections for easier understanding and concentration towards our business objective, namly, Customer UI and Merchant UI.







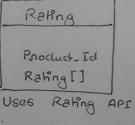
Uses Merchant API

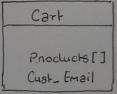


Uses Procluct API—sync via

kafka → Search

API

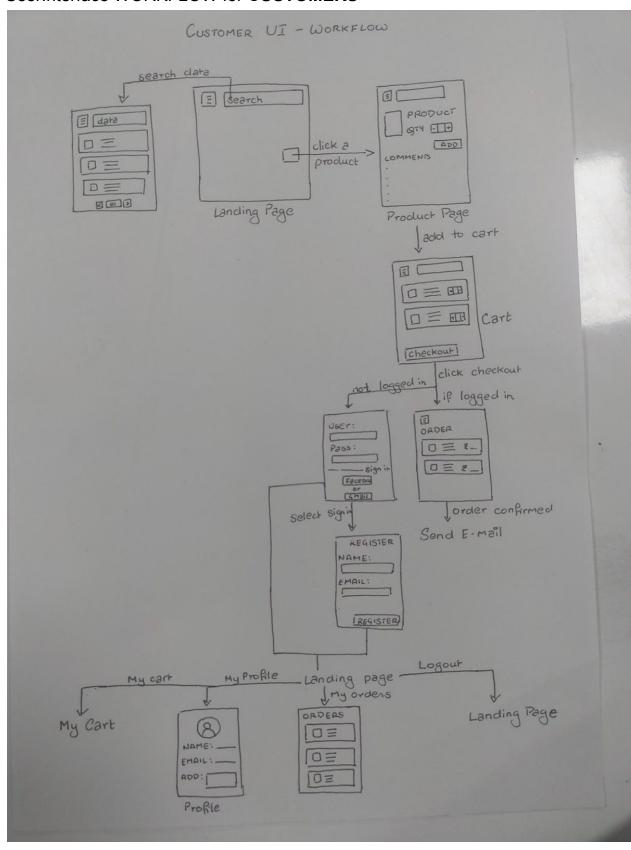




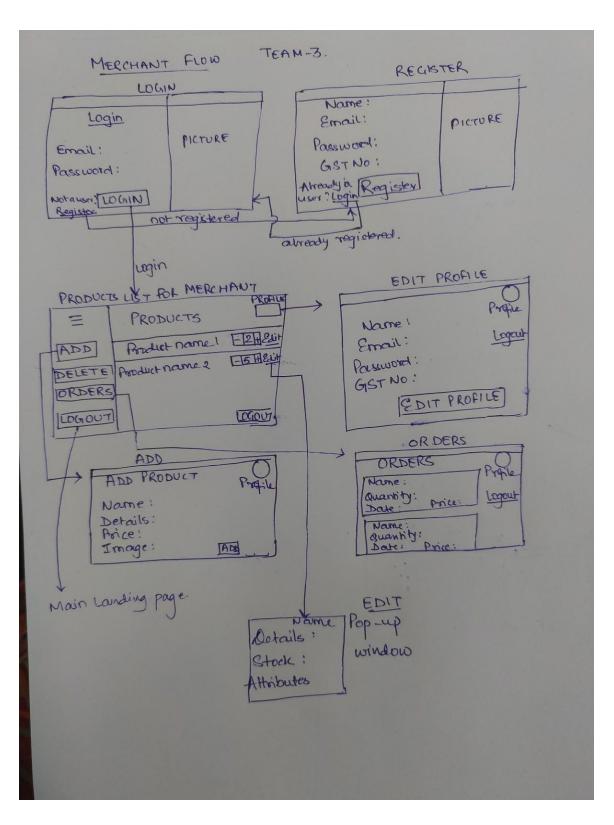
Uses Onder/Cart API



## UserInterface WORKFLOW for CUSTOMERS -



### UserInterface WORKFLOW for MERCHANTS -



## **APIS INCORPORATED-**

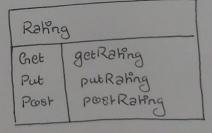
Logi	in Senvice
Post	Register Usen
Put	Updake Detail
Get	Authenhication
Get	Login History
Get	get Customer Detalls

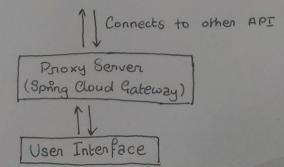
Box	duct Service
Post	add New Product
Put	price Change
Put	quantity Change
Cret	get Stock
Cnet	get Product Details

Merc	hant Senvice
Post	Register Menchant
Cnet	get anders
Get	get Authentication
Put	Update Details

Onden	/Cant
Post	postOnder
Get	get Onder Details
Get	get Cart
Put	updateCart ·
Post	postCart
Delete	delete Cart

Searc	h
Get	getByTerm
Get	get By USP
Cret	get By Category
Get	get By Filtens





# **TEAM MEMBERS-**

- 1) Shubham
- 2) Raja
- 3) Swetha
- 4) Anirudh
- 5) Abhinav
- 6) Aakash