Software Requirement Specification for

E-SHOPPING

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Introduction:

E-commerce is a web based application or mobile application implemented for easy to access product or services around the corner of world, buy, sell, chat, transact, get service and maintains records. Using record we can track customer and inform customize and future offers and discounts. Legal contract department prepare policy contract and sends to customer after payment has received from the customer

Purpose:

Defining and describing the functions and specifications of the Book E-Commerce System is the primary goal of this Software Requirements Specification (SRS). This Software Requirements

Existing system for a society is based on our traditional way keeping records and details on paper and registers. Access of these details and papers are not granted to common member in absence of the authority. It is hard to manage all the society system with pen and paper

Product Scope:

Electronic commerce draws on such innovations as electronic funds transfer, supply chain management, Internet marketing, online exchange preparing, Electronic Data Interchange (EDI), inventory frameworks, and computerized information assortment frameworks.

- J2EE Technology used for the development of the application.
- General customers as well as the sellers will be able to use the system effectively.
- Web-platform means that the system will be available for access 24/7 except when there is a temporary server issue which is expected to be minimal.

Overall Description:

Product Perspective:

Existing system for a business is based on our traditional way keeping records and details on paper and registers. There were no online payment options . security was not there for selling and buying . All records of user were not kept effectively. Products sale and product buy by customer record were not properly maintained. The architecture of the existing system was basically manual oriented. The system was initially developed to cater for the products in the business area. The system was dimmed efficient during the initial stage of its establishment. The system caters for all the products owned by the business man. The objectives of the system were borne out of the fact that, business man .

Actors:

- Admin
- manager
- User

Functional Requirements :

E-shopping with the key features listed below:-

Admin:

- Admin can login to the system.
- Admin can add users ,managers.
- Admin can delete user ,manager
- Admin can update user, manager
- Admin can add category
- Admin can add products
- Admin can delete products
- Admin can delete categories

Manager:

- Manager can login to the system.
- View his/her details.
- Add categories.
- Delete categories.
- Update categories.
- Add/update/delete products.

Users:

- User can register.
- Users can login.
- Users can view products.
- Users can search products by category, all .
- Users can add products to cart .
- Users can buy products.

Non Functional Requirements

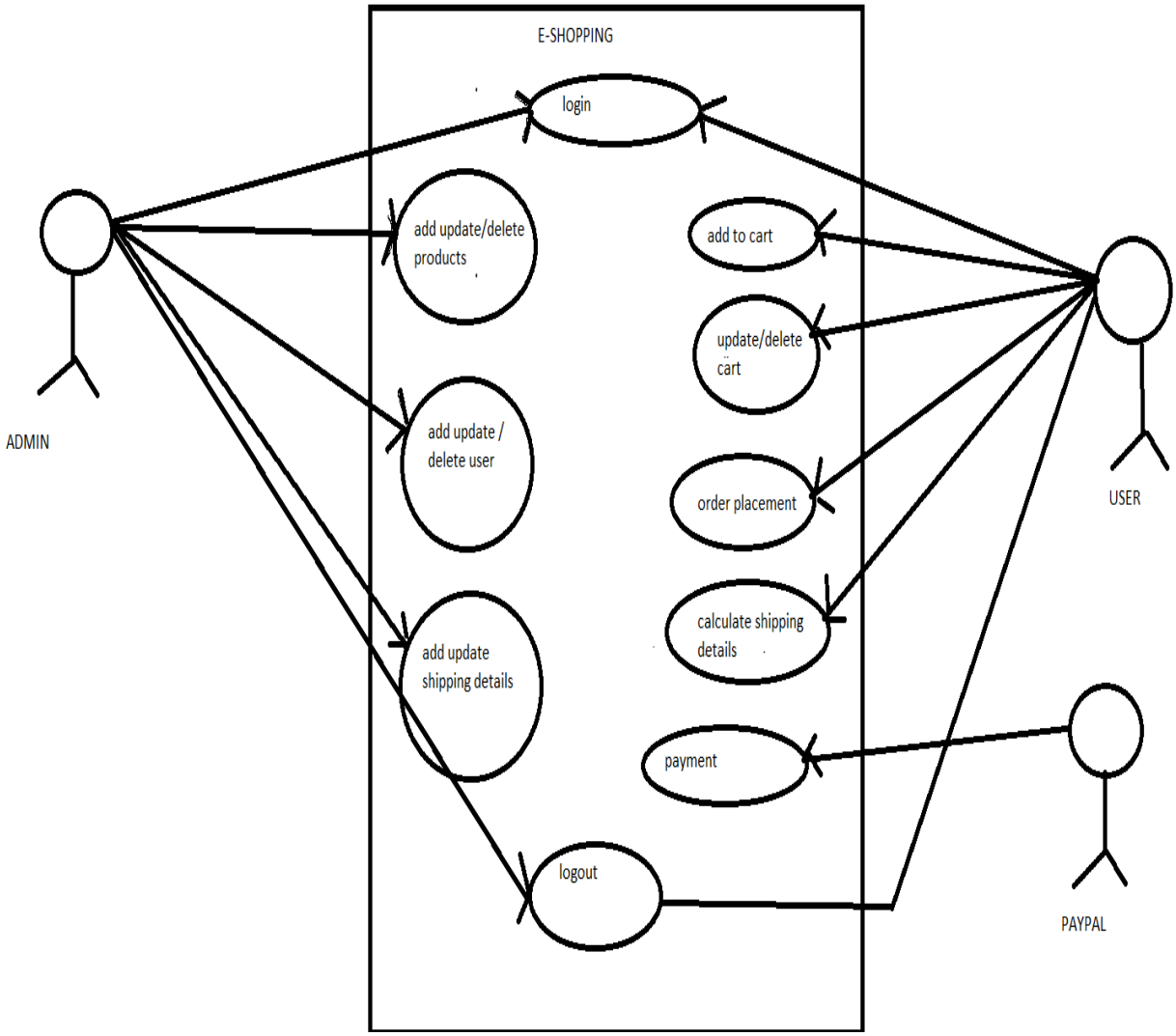
There are a lot of software requirements specifications included in the non-functional requirements of the E-COMMERCE which contains various process, namely Security, Performance, Maintainability, and Reliability.

Technologies used:

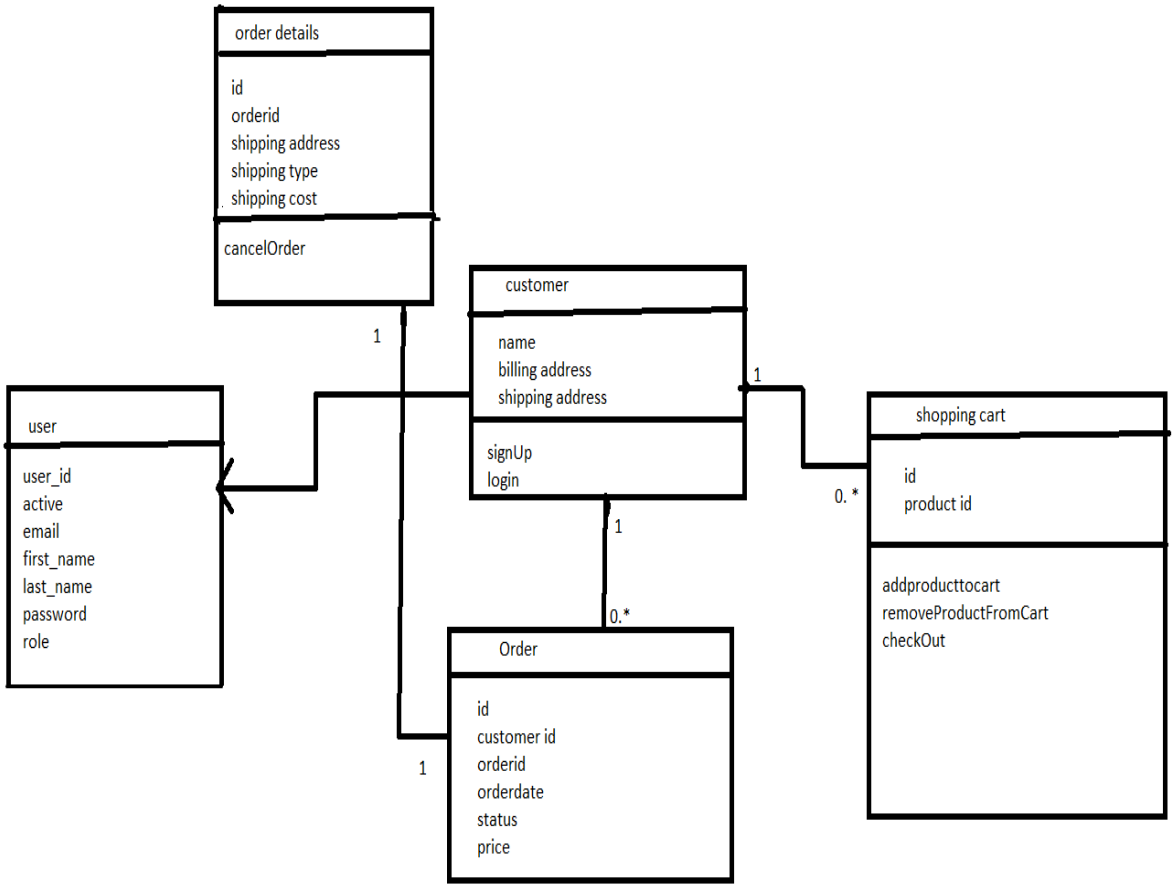
Frontend : HTML5,CSS3,thymleaf.

Backend : Spring Boot , Thymleaf ,MySql, spring security.

Use Case Diagram:

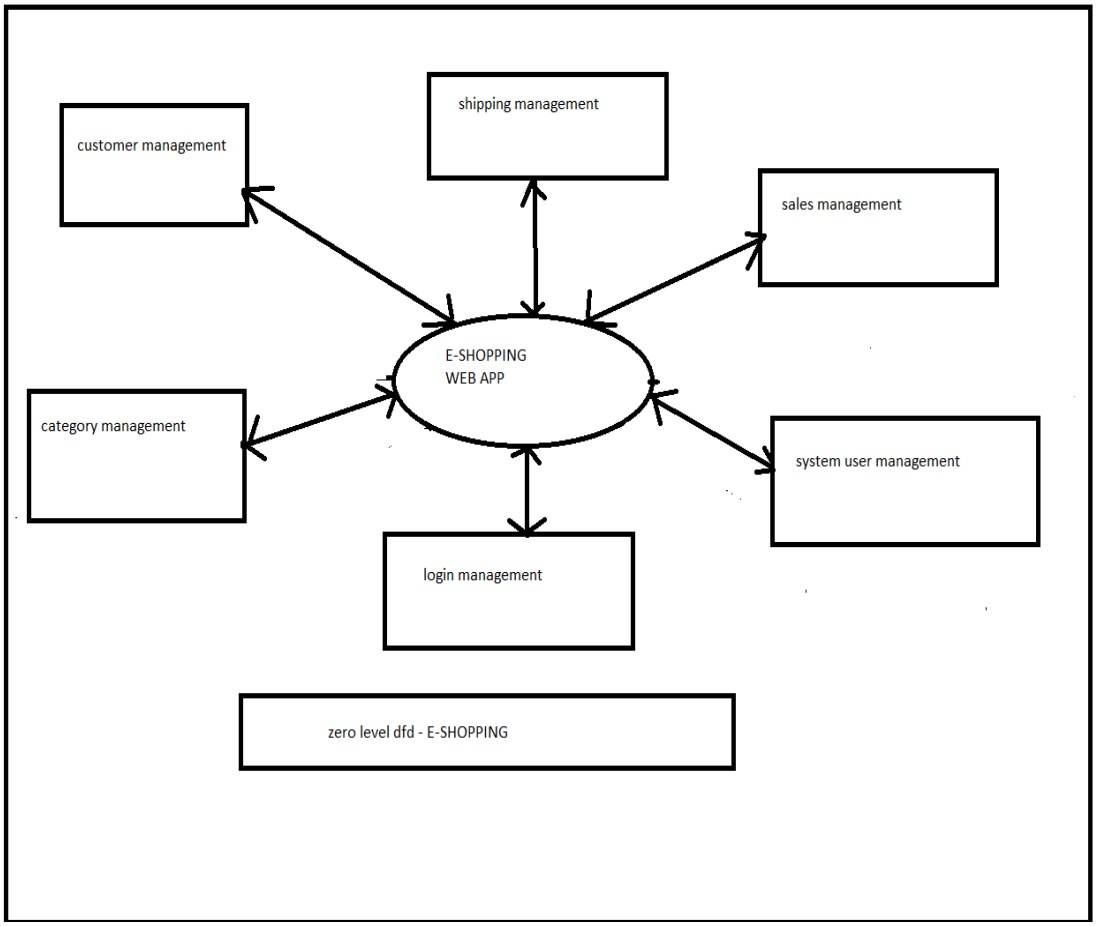


Class Diagram:

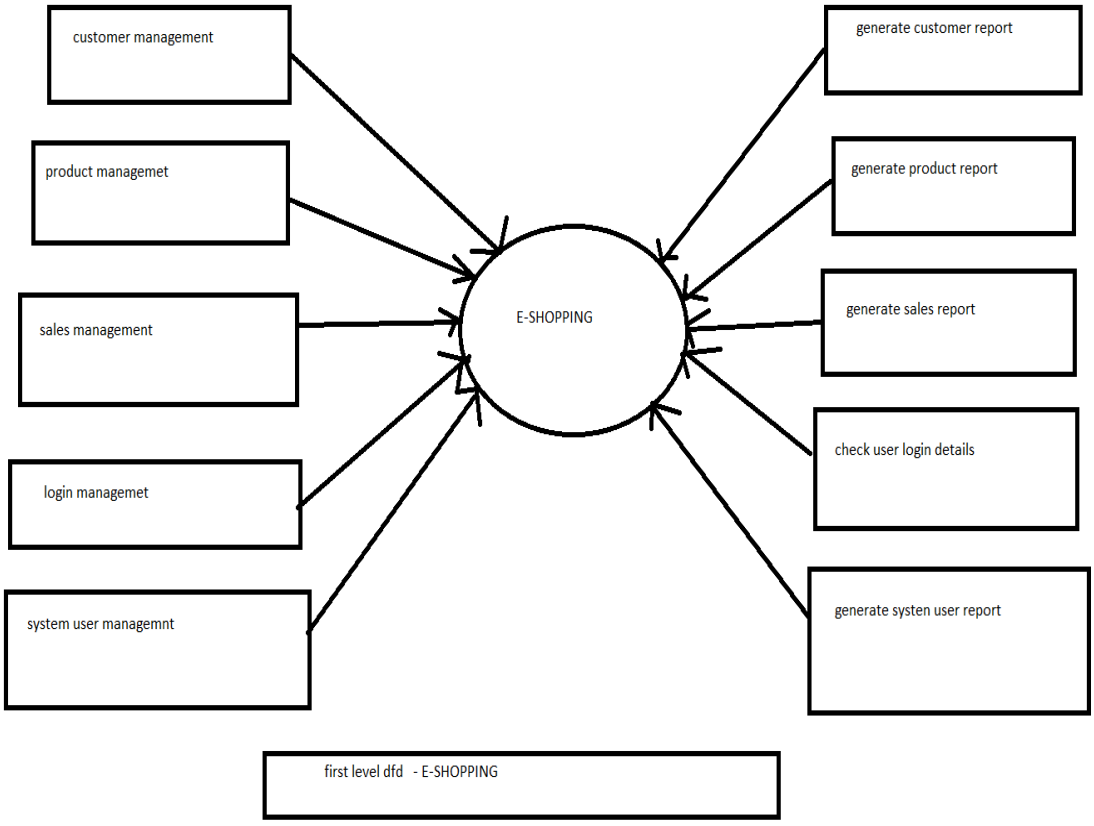


Dfds:

Dfd0:


shipping management
customer management
sales management
E-SHOPPING
WEB APP
category management
system user management
login management
zero level dfd - E-SHOPPING

Dfd1:


customer management
product managemet
sales management
login managemet
system user managemnt
E-SHOPPING
generate customer report
generate product report
generate sales report
check user login details
generate systen user report
first level dfd - E-SHOPPING

Dfd2:

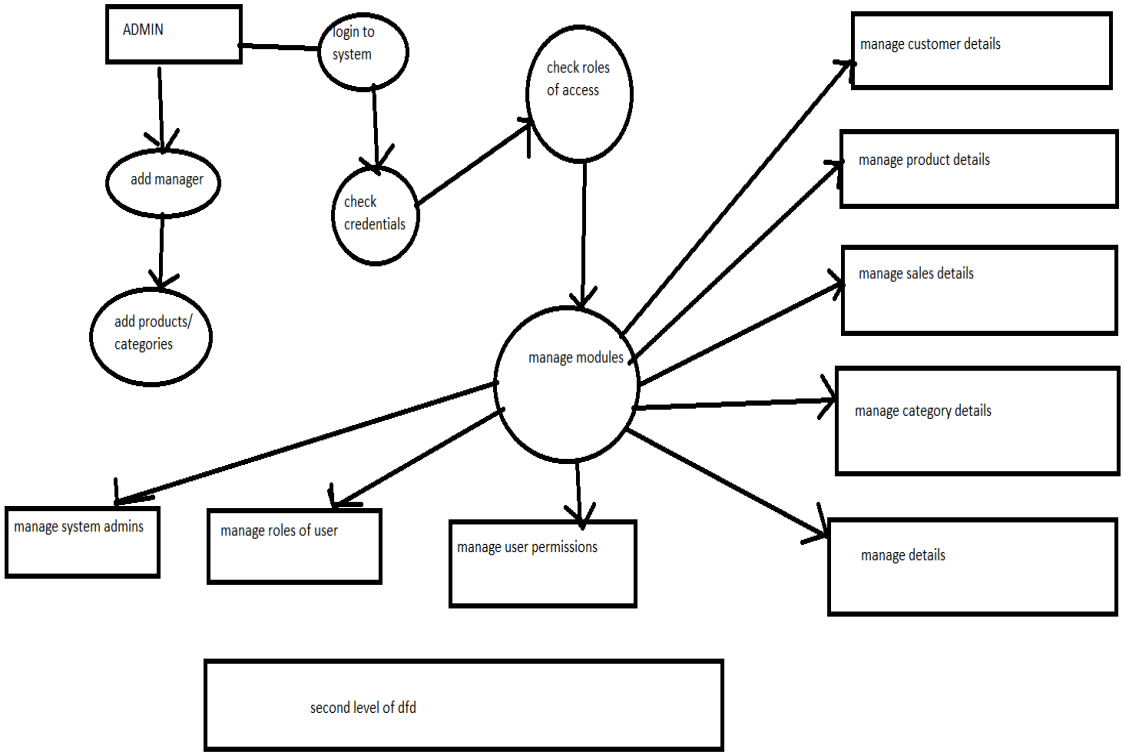


Table Structure

Product table:

Field	Type	Null	Key	Default	Extra
product_id	bigint	NO	PRI	NULL	
image	varchar (255)	YES		NULL	
product_description	varchar (255)	YES		NULL	
product_name	varchar (255)	YES		NULL	
product_price	int	YES		NULL	
product_unit	int	YES		NULL	
category_id	bigint	YES	MUL	NULL	

Category table:

Field	Type	Null	Key	Default	Extra
category_id	bigint	no	PRI	NULL	
category_name	Varchar(255)	yes		NULL	

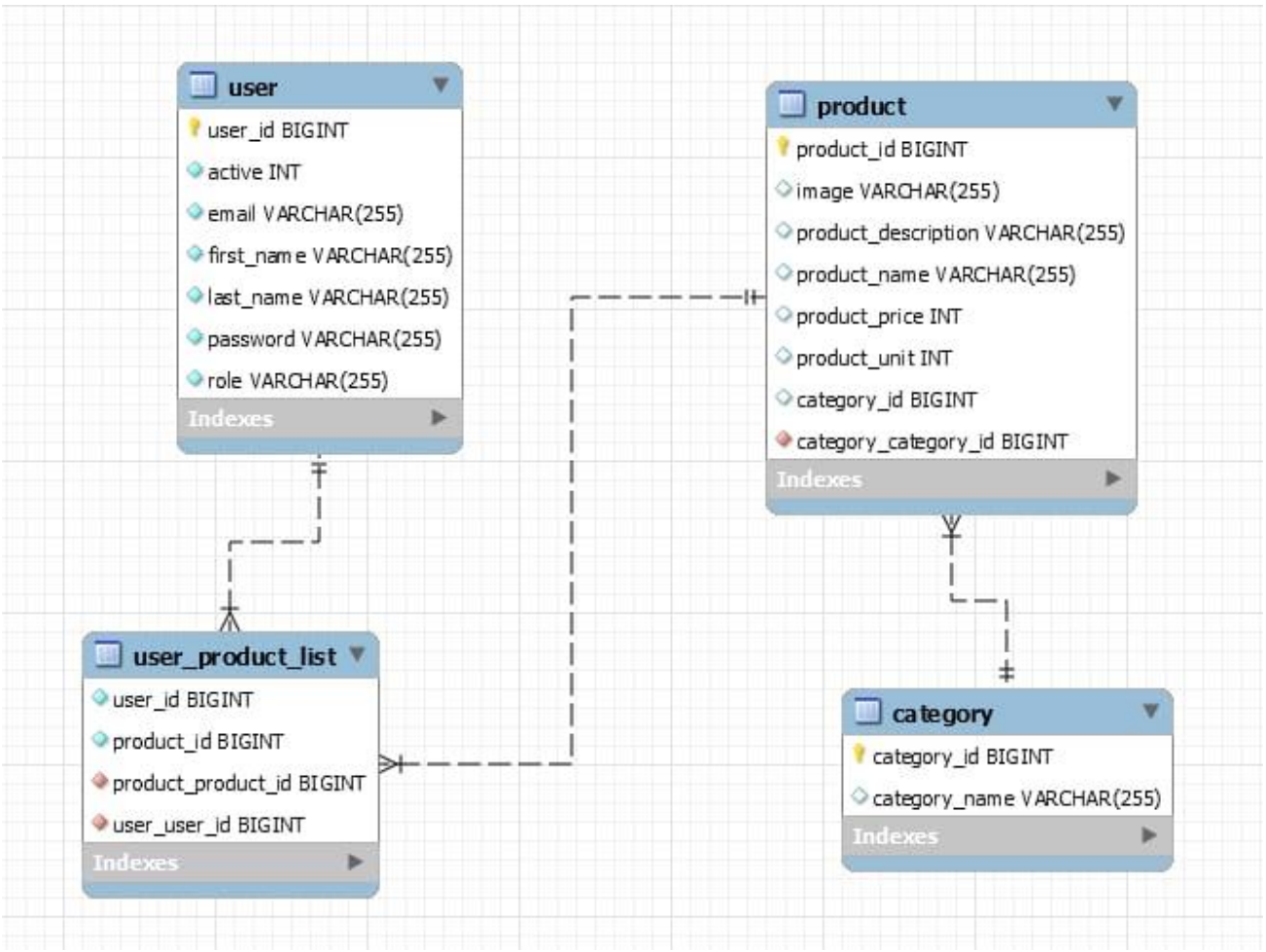
User table:

Field	Type	Null	Key	Default	Extra
user_id	bigint	NO	PRI	NULL	
active	int	NO		NULL	
email	varchar(255)	NO		NULL	
first_name	varchar(255)	NO		NULL	
last_name	varchar(255)	NO		NULL	
password	varchar(255)	NO		NULL	
role	varchar(255)	NO		NULL	

User_Product_List table:

Field	Type	Null	Key	Default	Extra
user_id	bigint	NO	MUL	NULL	
product_id	bigint	NO	MUL	NULL	

ER Diagram:


user
user_id BIGINT
active INT
email VARCHAR(255)
first_name VARCHAR(255)
last_name VARCHAR(255)
password VARCHAR(255)
role VARCHAR(255)
Indexes
product
product_id BIGINT
image VARCHAR(255)
product_description VARCHAR(255)
product_name VARCHAR(255)
product_price INT
product_unit INT
category_id BIGINT
category_category_id BIGINT
Indexes
user_product_list
user_id BIGINT
product_id BIGINT
product_product_id BIGINT
user_user_id BIGINT
Indexes
category
category_id BIGINT
category_name VARCHAR(255)
Indexes