Made By Laravel

POINT OF SALE

GET STARTED

Initial Idea & Problem

01   MR-X is has a bakery.

02   Currently he manually try to track his business using tally khata, but it is not accurate and also kills his time.

03   He needs to solution that he can track his sales,

03   From system data he can decide the right/wrong and enhance his business

Basic Requirement

01 **Should have product category listing**

02 **Should have product listing**

03 **Sales & invoice features**

04 **Business report features**

04 **System should be multiuser , that many business can use it by creating profile**

AGILE

PROJECT MANAGEMENT APPROACH

PHASE 01

1. **Planning User Profile Table**

2. **User Profile Auth Back-End Development**

3. **User Profile Front-End Development**

Phase 01

Planning User Profile Table

users	▲
🔑 id	BIGINT
firstName	VARCHAR
lastName	VARCHAR
🌡 email	VARCHAR
mobile	VARCHAR
password	VARCHAR
otp	VARCHAR
created_at	TIMESTAMP
updated_at	TIMESTAMP
▶ Constraints	
▶ Indexes	

Phase 01

Developing User Auth Back-End Features

1. **User registration (end point)**

2. **User login & issue JWT token (end point)**

3. **Sending OTP Code to Email - Password Recover Stage 01 (end point)**

4. **Verify OTP Code - Password Recover Stage 02 (end point)**

5. **Allow user to reset password - Password Recover Stage 03 (end point)**

6. **Allow user to get profile details (end point)**

7. **Allow user to update profile details (end point)**

Phase 01

SIGN IN

User Email

User Password

NEXT

Sign Up | Forget Password

Phase 01

Sign Up

Email Address

User Email

First Name

First Name

Last Name

Last Name

Mobile Number

Mobile

Password

User Password

COMPLETE

Phase 01

EMAIL ADDRESS

Your email address

User Email

NEXT

Phase 01

OTP VERIFICATION

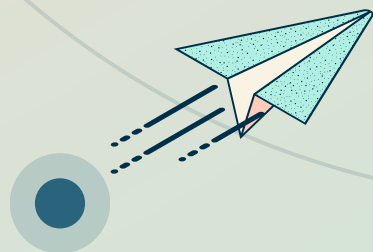A 6 Digit verification code has been sent to your email address.

NEXT

Phase 01

OTP VERIFICATION

A 6 Digit verification code has been sent to your email address.

NEXT

Phase 01

SET NEW PASSWORD
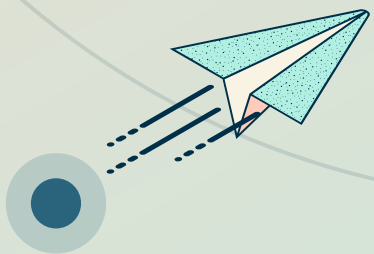
Your email address

engr.rabbil@yahoo.com

New Password

●●●●●●●●●●●

Confirm Password

Confirm Password

NEXT

Phase 01

Agile Pros

- High flexibility of the project and the ability to adapt projects frequently.

- High customer satisfaction over the development process.

- Constant interaction among stakeholders that stimulates creativity and leads to better results.

- Continuous quality assurance and attention to detail.

Agile Cons

- Problems with workflow coordination.

- Difficult planning at early stages where you should assess resources, build up teams, and communicate an overall vision of the project.

- Only experienced software developers, testers, and managers should be working on the project.
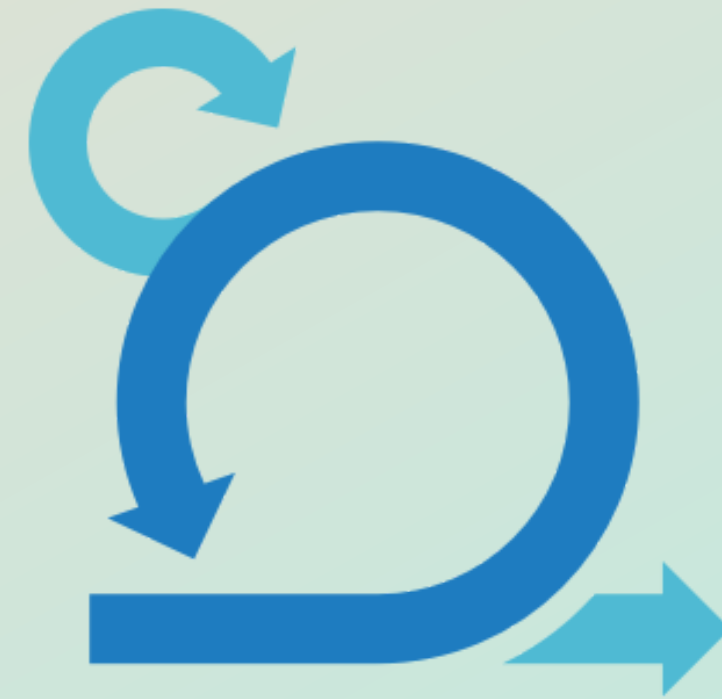
- Lack of long-term planning.

Phase 01

Face the challenges of agile & take advantages

- We decide to use users table primary key "id" for further database works.

- We decide to use redirect unauthorised user form middleware

- Use decide to use TokenVerificationMiddleware for data end point and also page level browsing.

- JWT Token managing through web cookies
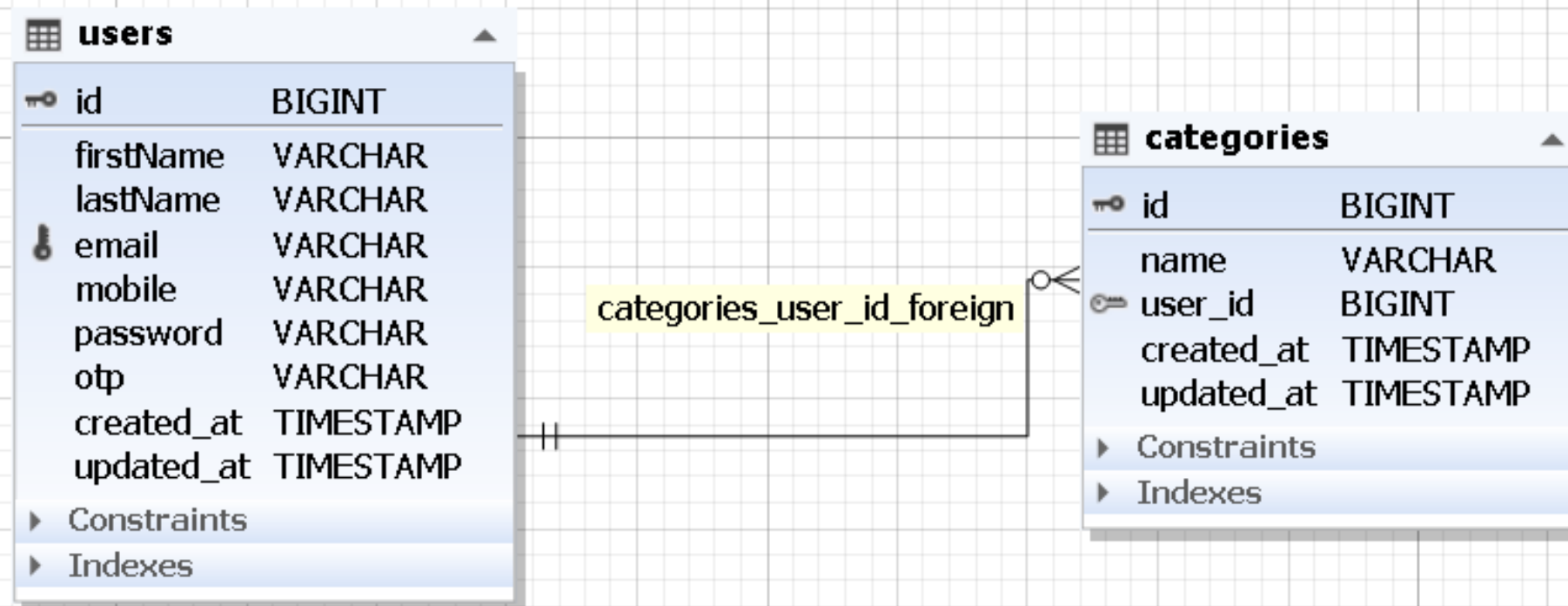
PHASE 02

1. **Planning Product Category Table By Profile**

2. **Category Managing Back-End Development**

3. **Category Managing Front-End Development**

Phase 02

Planning Category Table

PHASE 03

1. **Planning Customer Table**

2. **Customer Managing Back-End Development**

3. **Customer Managing Front-End Development**
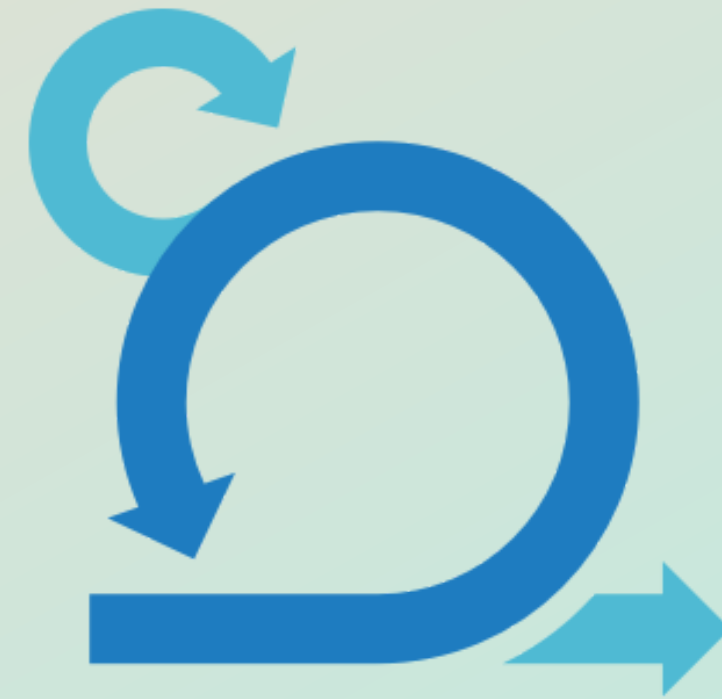
Phase 03

Planning Customer Table

PHASE 04

1. **Planning Product Table**

2. **Product Managing Back-End Development**

3. **Product Managing Front-End Development**

Phase 04
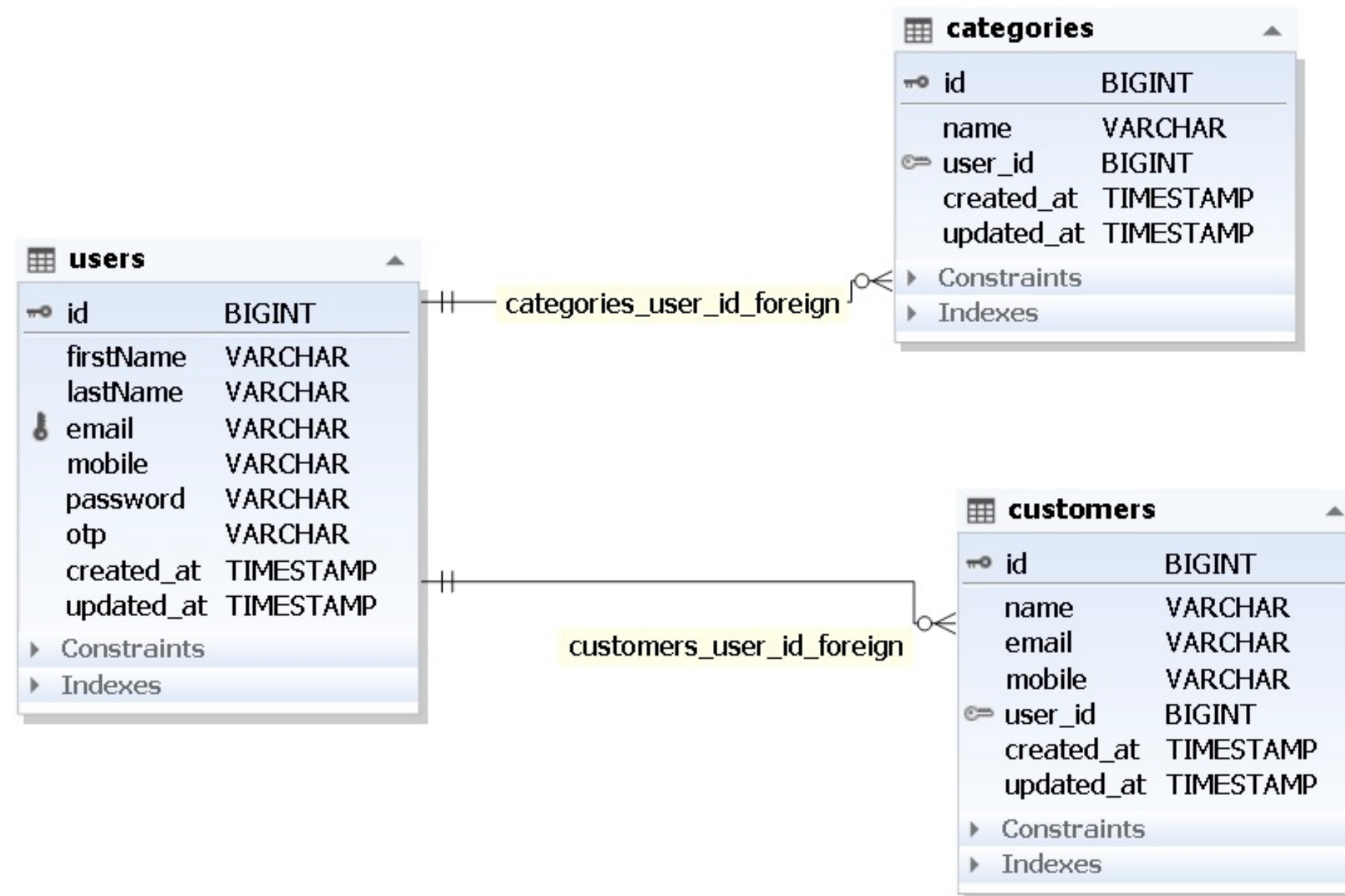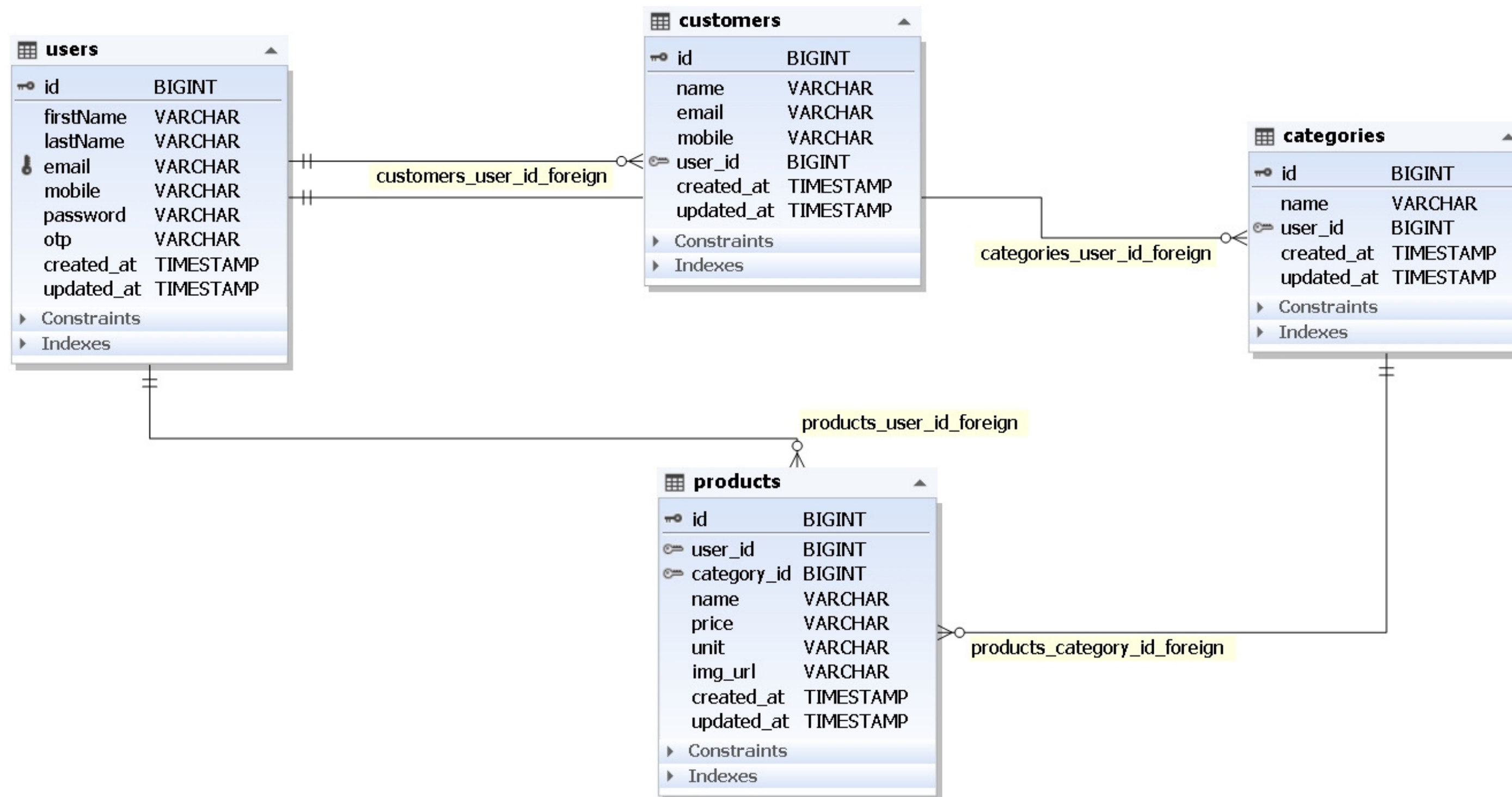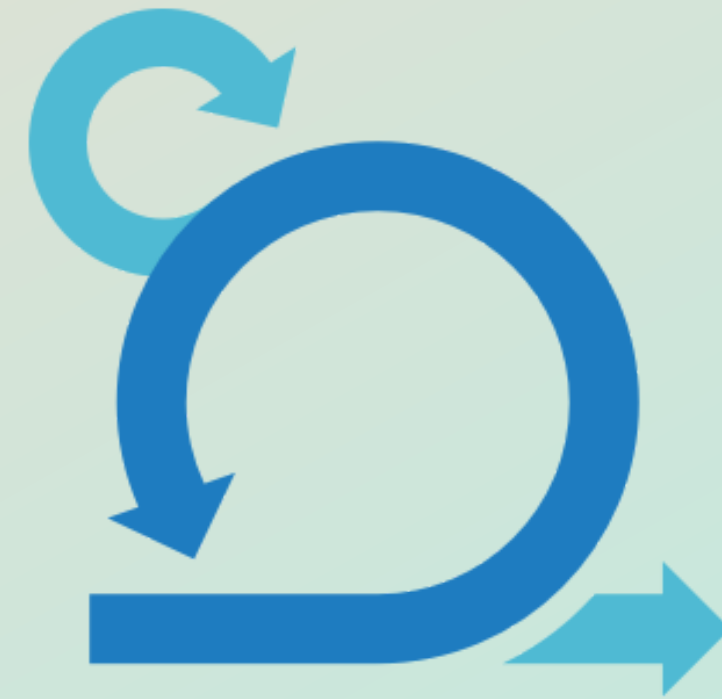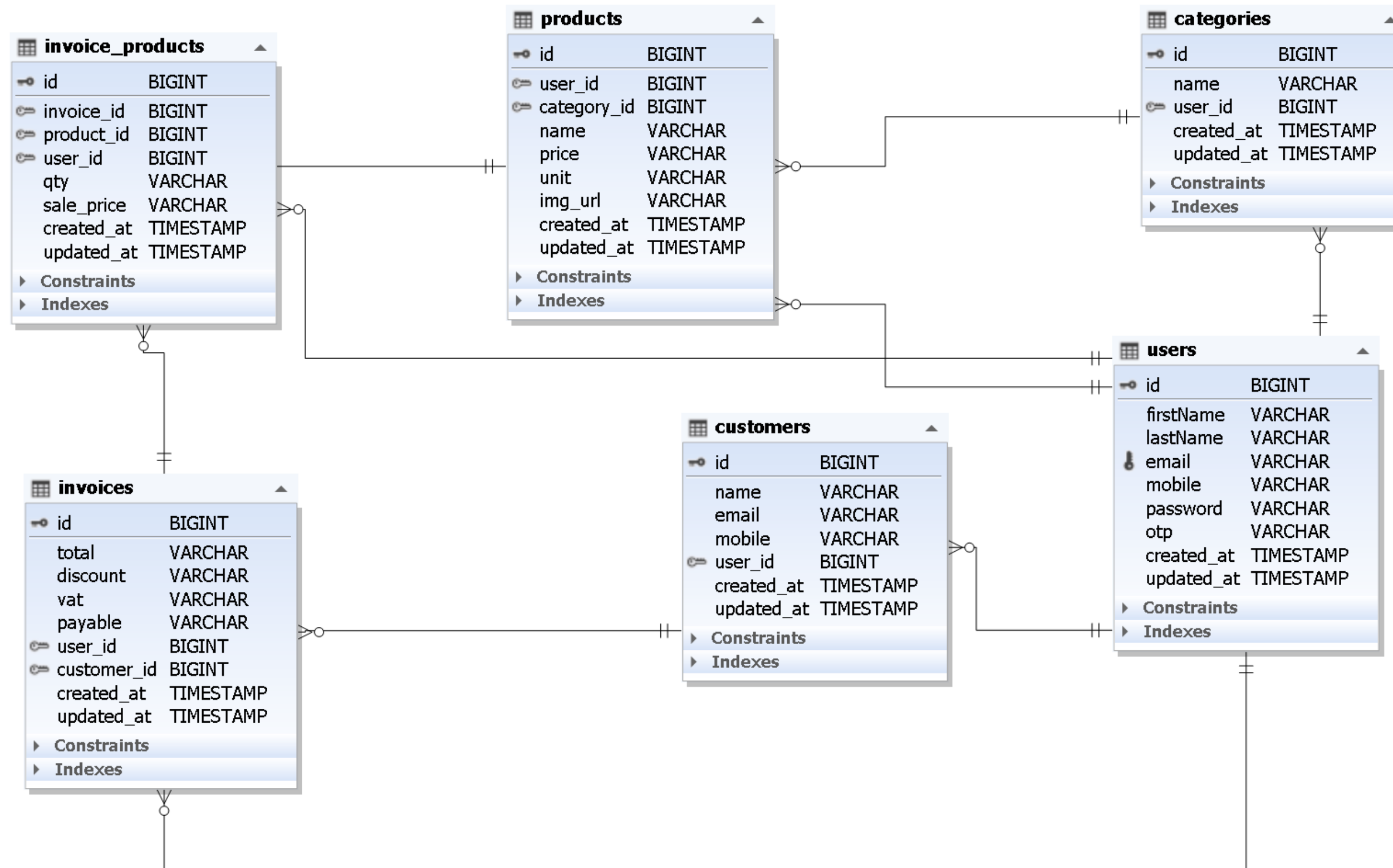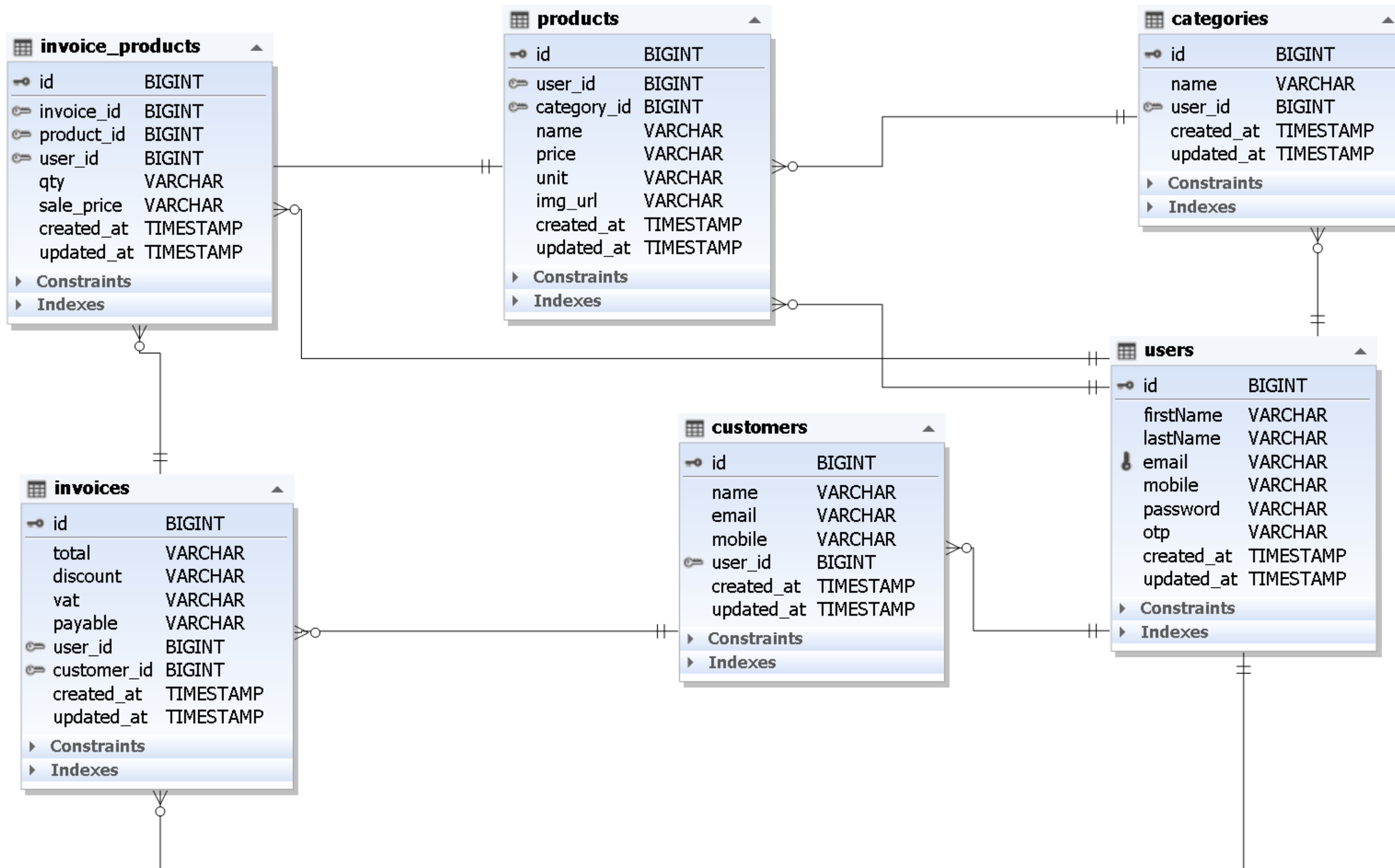## Planning Product Table

PHASE 05

1. **Planning Invoice Table**

2. **Product Invoice Back-End Development**

3. **Product Invoice Front-End Development**

Phase 05
Planning Invoice Table

invoice_products

🔑 id	BIGINT	
🔗 invoice_id	BIGINT	
🔗 product_id	BIGINT	
🔗 user_id	BIGINT	
qty	VARCHAR	
sale_price	VARCHAR	
created_at	TIMESTAMP	
updated_at	TIMESTAMP	
▶ Constraints		
▶ Indexes		

products

🔑 id	BIGINT	
🔗 user_id	BIGINT	
🔗 category_id	BIGINT	
name	VARCHAR	
price	VARCHAR	
unit	VARCHAR	
img_url	VARCHAR	
created_at	TIMESTAMP	
updated_at	TIMESTAMP	
▶ Constraints		
▶ Indexes		

categories

🔑 id	BIGINT	
name	VARCHAR	
🔗 user_id	BIGINT	
created_at	TIMESTAMP	
updated_at	TIMESTAMP	
▶ Constraints		
▶ Indexes		

customers

🔑 id	BIGINT	
name	VARCHAR	
email	VARCHAR	
mobile	VARCHAR	
🔗 user_id	BIGINT	
created_at	TIMESTAMP	
updated_at	TIMESTAMP	
▶ Constraints		
▶ Indexes		

users

🔑 id	BIGINT	
firstName	VARCHAR	
lastName	VARCHAR	
🔑 email	VARCHAR	
mobile	VARCHAR	
password	VARCHAR	
otp	VARCHAR	
created_at	TIMESTAMP	
updated_at	TIMESTAMP	
▶ Constraints		
▶ Indexes		

invoices

🔑 id	BIGINT	
total	VARCHAR	
discount	VARCHAR	
vat	VARCHAR	
payable	VARCHAR	
🔗 user_id	BIGINT	
🔗 customer_id	BIGINT	
created_at	TIMESTAMP	
updated_at	TIMESTAMP	
▶ Constraints		
▶ Indexes		

PHASE 06

1. **Dashboard summary - Total customer, Product, Sales, Category**

2. **Business Report - Date to Date sales report**

PHASE 07 TESTING

1. **User Profile Module**

2. **Category Module**

3. **Product Module**

4. **Invoice Module**

5. **Dashboard Summary**

6. **Report Generation**

PHASE 08 DEPLOY

In Linux shared hoasting