The database is hosted on neon serverless postgre service. Therefore, there is no need to set up a local database. ([Skip local DB setting up section.](#_Node_installation_part))

If needed, create a new PostgreSQL database instance with following configurations and remove the connection string from the .env file in the backend folder.

user: 'postgres',

password: '1234',

host: 'localhost',

port: 5432,

database: 'testdb1'

Then run the following SQL queries to create the tables.

-- SHIPPING TABLE

CREATE TABLE shipping (

email TEXT PRIMARY KEY,

address TEXT NOT NULL,

postalcode TEXT NOT NULL,

country TEXT NOT NULL,

CONSTRAINT fk\_shipping\_user FOREIGN KEY (email)

REFERENCES users(email)

ON DELETE CASCADE

);

-- USERS TABLE

CREATE TABLE users (

name TEXT NOT NULL,

email TEXT PRIMARY KEY,

phone\_number TEXT,

password TEXT NOT NULL

);

-- EMAIL VERIFICATIONS TABLE

CREATE TABLE email\_verifications (

email TEXT PRIMARY KEY,

code TEXT NOT NULL,

CONSTRAINT fk\_email\_verifications\_user FOREIGN KEY (email)

REFERENCES users(email)

ON DELETE CASCADE

);

-- CHECKOUT HISTORY TABLE

CREATE TABLE checkout\_history (

email TEXT NOT NULL,

book\_isbn TEXT NOT NULL,

total\_price NUMERIC(10, 2) NOT NULL,

qty INTEGER NOT NULL,

checkout\_date\_and\_time TIMESTAMP NOT NULL,

CONSTRAINT pk\_checkout\_history PRIMARY KEY (email, book\_isbn, checkout\_date\_and\_time),

CONSTRAINT fk\_checkout\_user FOREIGN KEY (email)

REFERENCES users(email)

ON DELETE CASCADE

);

# Node installation part

Then, execute a ‘npm install’ in the terminal of both frontend and backend folders.

Execute ‘npx prisma generate’ in the terminal of the backend folder.

Execute ‘npm run dev’ in the terminal of both fronend and backend folders to run the application.

Please acknowledge that, the backend will be running on port 5000 and the fronend will be running on port 3000. Keep these ports free prior to starting the application.