**Lipa Na Mpesa Online**

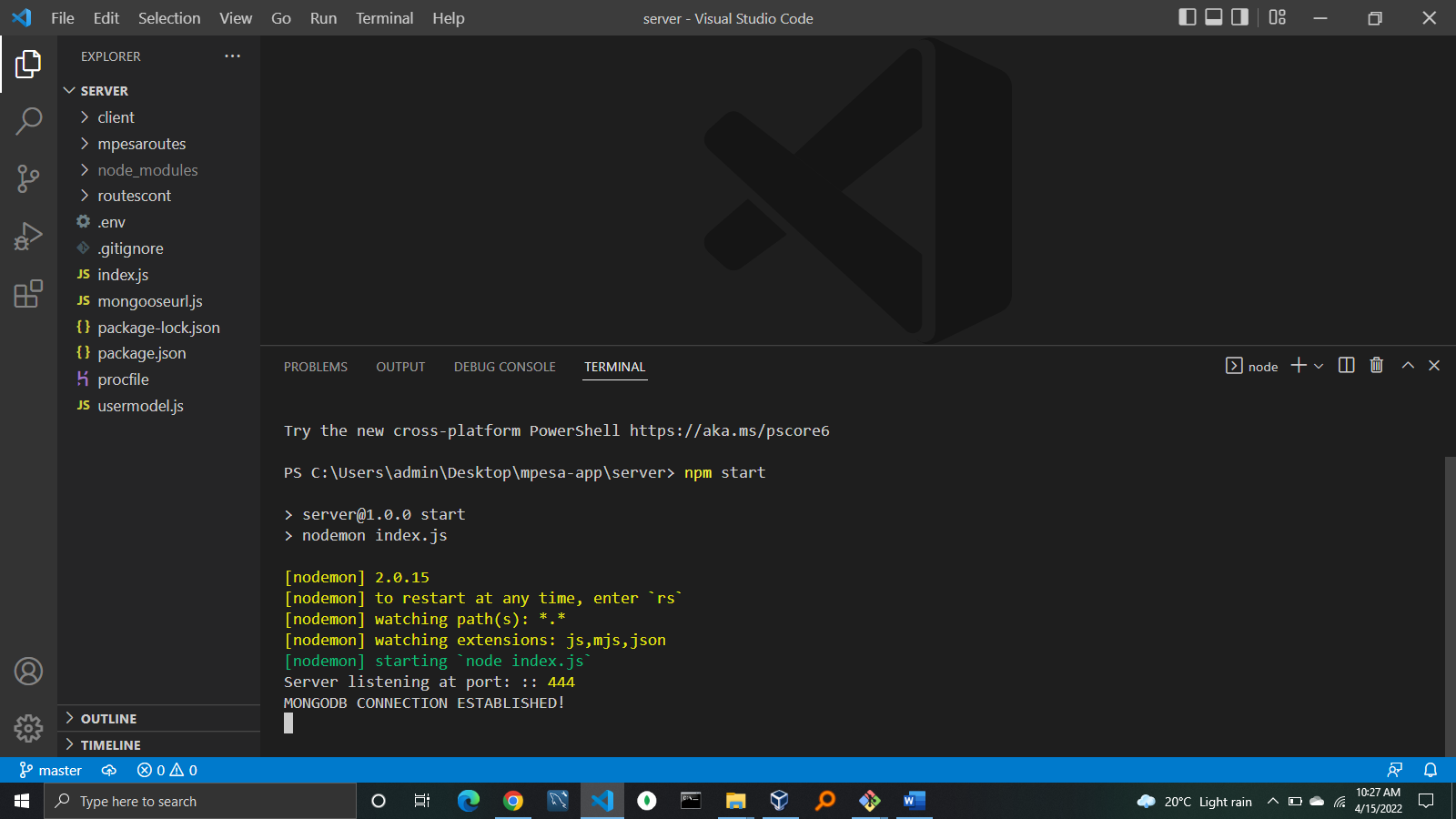
Prerequisites

* Have Node.js Installed on your computer
* Daraja Developer’s Portal
* Heroku Account
* install Heroku CLI
* install Git
* Mongodb Atlas Account
* Internet Connectivity

Setup

1. Extract the .zip file
2. Open the folder(server) with a code editor
3. launch terminal.

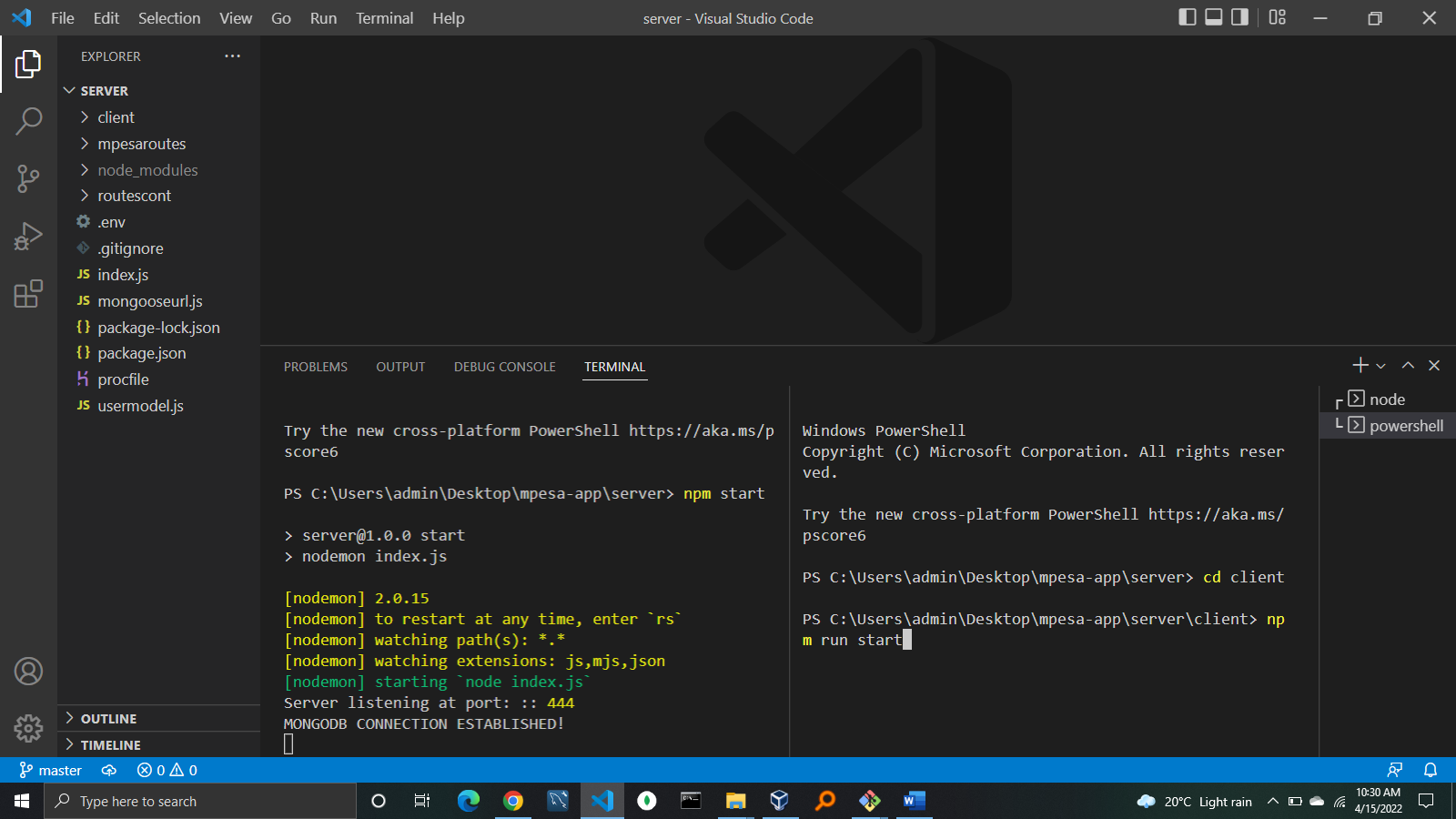
* Open terminal and start server > npm run start



1. open another terminal (do not kill the above terminal. open a separate terminal)

* change the directory to client > cd client
* start another server. This will run the react form .> npm run start

NB: the react server will launch the browser and present payment form



**test the card**

* You will notice that on the browser, the card its running on localhost.
* On live server, you will have to change the link from local server to live server link

To change this , navigate to > server > client > Src > App.js (line 26)

   await axios.post('https://mpesa-react.herokuapp.com/stk/push', {pno,amount}).then((response)=>{  //http:localhost:444/stk/push

change (‘https://mpesa-react.herokuapp.com’) with your new url

Also, do the same for the callback Url , navigate to >server > client > routescont > controllers.js (line 81)

**Daraja Api Credentials**

The consumer key, consumer secret, business shortcode and passkeys are contained in the .env file.

To change them into your credentials, navigate to > server > .env

Also, change lipa na Mpesa request body. Naviaget to >server > client > routescont > controllers.js

(from line 70 to 87. Only change ;

* BusinessShortcode
* PartyB
* AccountReference
* TransactionDesc

)

**Database(Mongoose)**

Open/ create account with Mongodb Atlas.

Paste the database url in the .env file

MONGOURL=mongodb+srv://Martin:Mn..2348@cluster0.axzjj.mongodb.net/mpesa-db?retryWrites=true&w=majority

from the url only change the username and password with your credentials

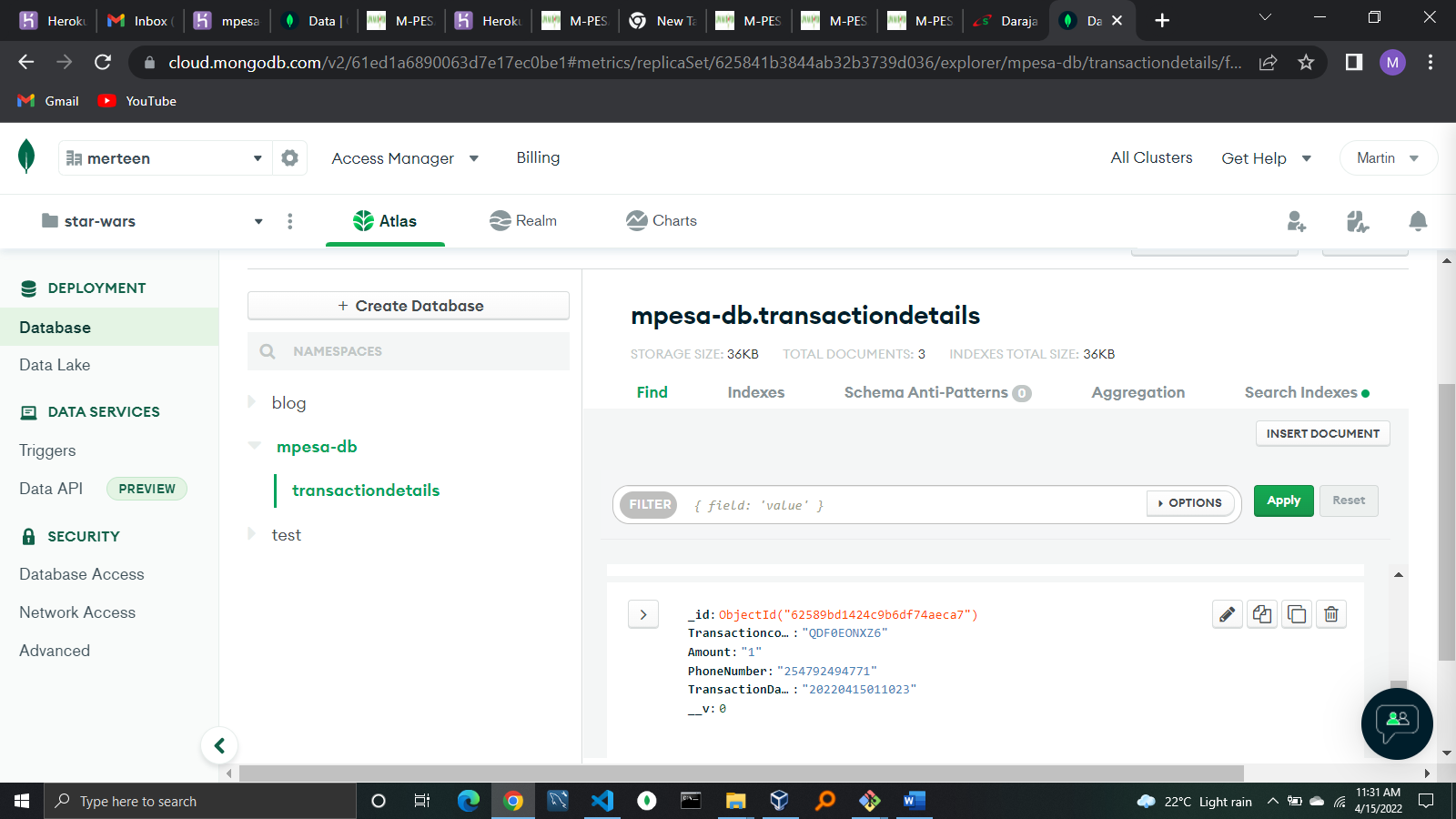
username : Martin

password: Mn..2348

database: mpesa-db (leave this as default or change it )

from mongodb Atlas, Navigate to Database > Connect > Connect your application > copy the link given in option 2(**Add your connection string into your application code)**

**NB: database stores the transcation Id, Amount, phone number, transaction date**



**Heroku**

**If you choose to deploy the app for production using heroku, download and install Heroku cli and Git**

**create an app and push your project**