DAY 6 - DEPLOYMENT PREPARATION AND STAGING ENVIRONMENT SETUP:

In the six day of hackathon 3 we have to make ready our application for deployment in this document i have mentioned the steps and screen shots of my deployment process.

1: Securing credentials into .env.local file and adding it to Gi ignore file.

Just like this

NEXT_PUBLIC_SANITY_PROJECT_ID="your_sanity_project_id"
NEXT_PUBLIC_SANITY_DATASET="your_sanity_dataset"
NEXT_PUBLIC_SANITY_AUTH_TOKEN="your_sanity_auth_token"
NEXT_PUBLIC_DATA_INSERT='your_data_insert_token'
NEXT_PUBLIC_STRIPE_PUBLISHABLE_KEY='your_stripe_publishable_key'
STRIPE_SECRET_KEY='your_stripe_secret_key' NEXT_PUBLIC_URL=http://localhost:3000
NEXT_PUBLIC_SHIP_ENGINE_KEY='your_ship_engine_key'
Stamps_com='your_stamps_com_key' UPS='your_ups_key' FedEx='your_fedex_key'
DHL_Express_MyDHL_API='your_dhl_api_key'
NEXT_PUBLIC_CLERK_PUBLISHABLE_KEY='your_clerk_publishable_key'
CLERK_SECRET_KEY='your_clerk_secret_key'

2: ensure that you your credentials are not exposing in you project any where like in the form of consoles on client side.

Now before deploying check your build by running npm run build on your terminal.

It should return like this

```
  ✓ Collecting build traces
  ✓ Finalizing page optimization

Route (app)                          Size       First Load JS
┌ ○ /                                226 B           152 kB
├ ○ /_not-found                      880 B          88.9 kB
├ ƒ /api/checkout                    0 B               0 B
├ ƒ /api/shipEngine                  0 B               0 B
├ ƒ /api/stockHandel                 0 B               0 B
├ ƒ /api/submitCustomerDetail        0 B               0 B
├ ○ /api/validServiceCode            0 B               0 B
├ ○ /bed                             4 kB            165 kB
├ ○ /blogs                           226 B           152 kB
├ ƒ /blogs/[slug]                    226 B           152 kB
├ ○ /cancel                          180 B            95 kB
├ ○ /cart                            3.58 kB         122 kB
├ ○ /chairs                          4.04 kB         165 kB
├ ○ /checkout                        27.6 kB         146 kB
├ ○ /contact                         190 B           100 kB
├ ƒ /myAccount/[[...rest]]           419 B           113 kB
├ ○ /shop                            2.65 kB         164 kB
├ ƒ /shop/[id]                       5.53 kB         167 kB
├ ƒ /sign-in/[[...rest]]             702 B           114 kB
├ ○ /sign-up                         453 B           113 kB
├ ○ /sofa                            2.06 kB         163 kB
├ ○ /studio/[[...tool]]              1.34 MB        1.48 MB
├ ○ /success                         113 kB          258 kB
└ ○ /table                           4.08 kB         165 kB
+ First Load JS shared by all        88 kB
  ├ chunks/2117-c2449cbe7722dfe4.js  31.8 kB
  ├ chunks/fd9d1056-375afd9ebfb3f72d.js  53.6 kB
  └ other shared chunks (total)      2.6 kB


ƒ Middleware                         63 kB

○  (Static)    prerendered as static content
ƒ  (Dynamic)   server-rendered on demand
```

In your terminal no its means your project is ready for deployment.

3:Push our code on GitHub .

4:Go to vercel.com and signup with GitHub it will allows you to access your repositories in the vercel dashboard .

Click on the import on vercel of your Gi Repository .

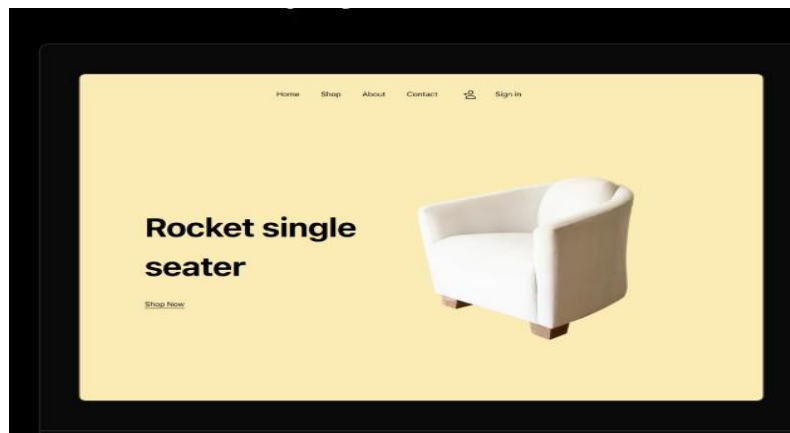5: Now you have to give the environment variables in your deployment as mentioned .

Just copy all environment variables and past there.

NEXT_PUBLIC_SANITY_PROJECT_ID="your_sanity_project_id"
NEXT_PUBLIC_SANITY_DATASET="your_sanity_dataset"
NEXT_PUBLIC_SANITY_AUTH_TOKEN="your_sanity_auth_token"
NEXT_PUBLIC_DATA_INSERT='your_data_insert_token'

NEXT_PUBLIC_STRIPE_PUBLISHABLE_KEY='your_stripe_publishable_key'
STRIPE_SECRET_KEY='your_stripe_secret_key' NEXT_PUBLIC_URL=http://localhost:3000
NEXT_PUBLIC_SHIP_ENGINE_KEY='your_ship_engine_key'
Stamps_com='your_stamps_com_key' UPS='your_ups_key' FedEx='your_fedex_key'
DHL_Express_MyDHL_API='your_dhl_api_key'
NEXT_PUBLIC_CLERK_PUBLISHABLE_KEY='your_clerk_publishable_key'
CLERK_SECRET_KEY='your_clerk_secret_key'

And click on deploy button it will take sometimes according to your internet speed and your project will be deployed on vercel.

Like this

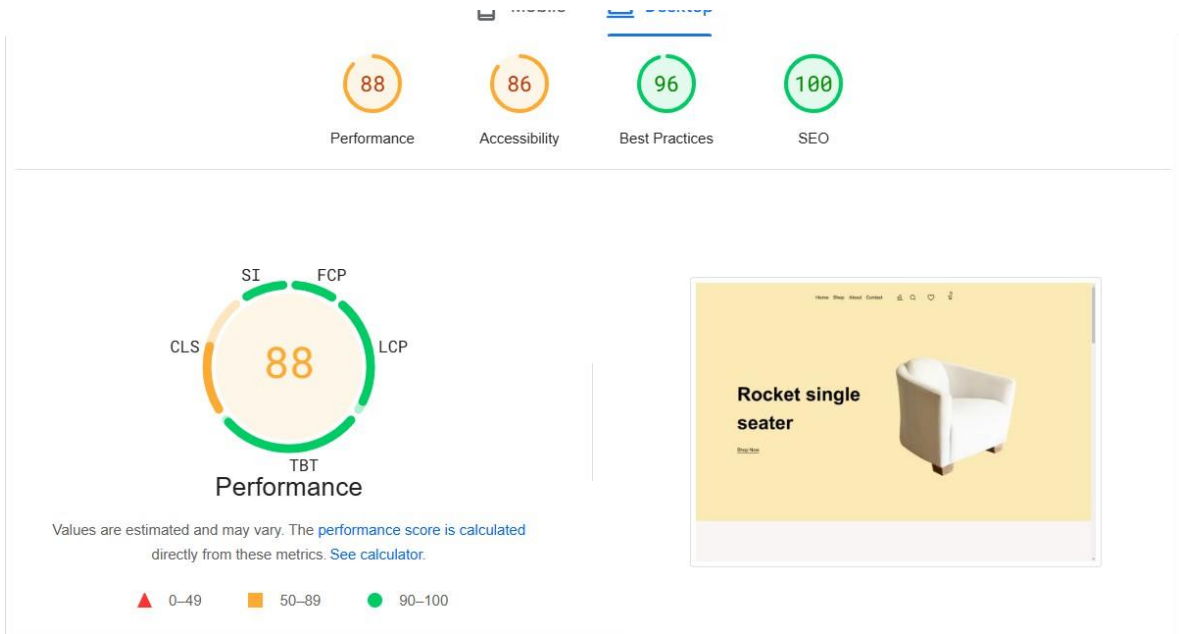6: Click on the domains URL it will open your project deployed on vercel .

7: A detail csv file report of performance of project is as follows after deployment

Test case ID	Test cas description	Test steps	Expected results	Actual results	Statsu	Remarks
TC1	Validate Product listing	Open products page > Verify products listing	Prosuct data should dssp	Products displayed	PASS	No issue found
TC2	handelling	Disconnect API > Refresh p	Showed allback ui	showed fallback ui	PASS	handeld gracefully
TC3	handelling check add to cart	Add to card > verify card pro	Expected product is add	product is added to	PASS	work expected
TC4	Responsiveness	check layout	UI is responsive	UI is responsive	PASS	test pass

8: Install google light house extension in chrome browser .

For testing the project open the deployed link and clicked on the extension it click on generate analysis it will generate a detail report of the project like here .

For desktop

For mobile