



DEPLOYMENT DOCUMENT

ONLINE SHOPPING SYSTEM

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DEPLOYMENT DOCUMENT:

For the deployment of our react app, following would be needed.

1. A React app.
2. A Github repository.
3. A surge deploy token.

SURGE:

Surge is a cloud platform for hosting static websites, which is extremely simple to use but offers customization options for those who need them.

STEP 1:

To install the surge CLI with npm, run the following into your terminal:

npm install -g surge

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\HP\OneDrive\Desktop\sdt-project> npm install -g surge
```

Then type **surge**

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS C:\Users\HP\OneDrive\Desktop\sdt-project> surge

(node:12084) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
(Use 'node --trace-warnings ...' to show where the warning was created)
Running as mishaakrambaig@gmail.com (Student)

project: C:\Users\HP\OneDrive\Desktop\sdt-project\
domain: onlineshoppingstore.surge.sh
upload: [=====] 100% eta: 0.0s (243 files, 18451789 bytes)
CDN: [=====] 100%

encryption: *.surge.sh, surge.sh (303 days)
IP: 138.197.235.123

Success! - Published to onlineshoppingstore.surge.sh

PS C:\Users\HP\OneDrive\Desktop\sdt-project>
```

Enter username/email and password to login.

Then run **surge token** to generate token.

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS C:\Users\HP\OneDrive\Desktop\sdt-project> surge token
```

Copy this token and add it as a secret in the GitHub repository.

STEP 2:

GitHub actions are triggered by yaml files in `.github/workflows/` directory. Create a yaml file in this directory and add these lines.

Then we declare the steps to be followed. Each step will run synchronously.

1. First step is to load our repository in our latest ubuntu version.
2. Second step is to install node, we are installing node version 12 here.
3. Then we write steps to install npm packages and build our react app.
4. Next we will install surge and lastly we will deploy our build directory to surge using the token.

```
github > workflows > {} main.yml
1 # This is a basic workflow to help you get started with Actions
2 name: Deploy
3
4 on:
5   push:
6     branches: [ main ]
7
8 jobs:
9   build:
10     runs-on: ubuntu-latest
11
12     steps:
13       - uses: actions/checkout@v2
14
15       - name: Setup Node
16         uses: actions/setup-node@v2-beta
17         with:
18           node-version: 12
19
20       - name: Online Shopping Store
21         run: |
22           npm install # Install Dependencies
23           CI=false npm run build # CI=false to ignore warnings
24
25       - name: Install Surge
26         run: npm install -g surge
27
28       - name: Deploy to Surge
29         run: surge ./build http://onlineshoppingstore.surge.sh/ --token ${secrets.SURG_TOKEN}}
30
```

Now whenever a push request is made on main branch of our repository github will automatically deploy it to the url provided.

STEP 3:

Commit and push your changes to the GitHub repository. You can now see the progress in the Actions tab on GitHub.

After all steps are completed, your React app will be available on the URL used in the main.yaml file.

FIREBASE:

Firebase allows you to build serverless web apps easily by giving you numerous features right out of the box. It serves as an entire backend as a service by providing authentication, cloud functions, real-time database, Cloud Firestore, and more.

Initial Setup

Create an account on firebase.google.com and create a new Firebase project. Click on Add Firebase to Your Web App and follow the steps. Head over to the Firebase real-time databases section and create a new database called orders.

Now head over to your React app and install Firebase.

npm i firebase

USER GUIDE:

For the user to use the app, the user has to click on the following URL provided.

<http://onlineshoppingstore.surge.sh/>

On loading the web app the main homepage can be viewed where the user can see advertisements, view shopping list, view details of any product, add items to cart, maintain a wish List. To place an order, the customer has to signIn/signUp.