

MLSA INTERNSHIP

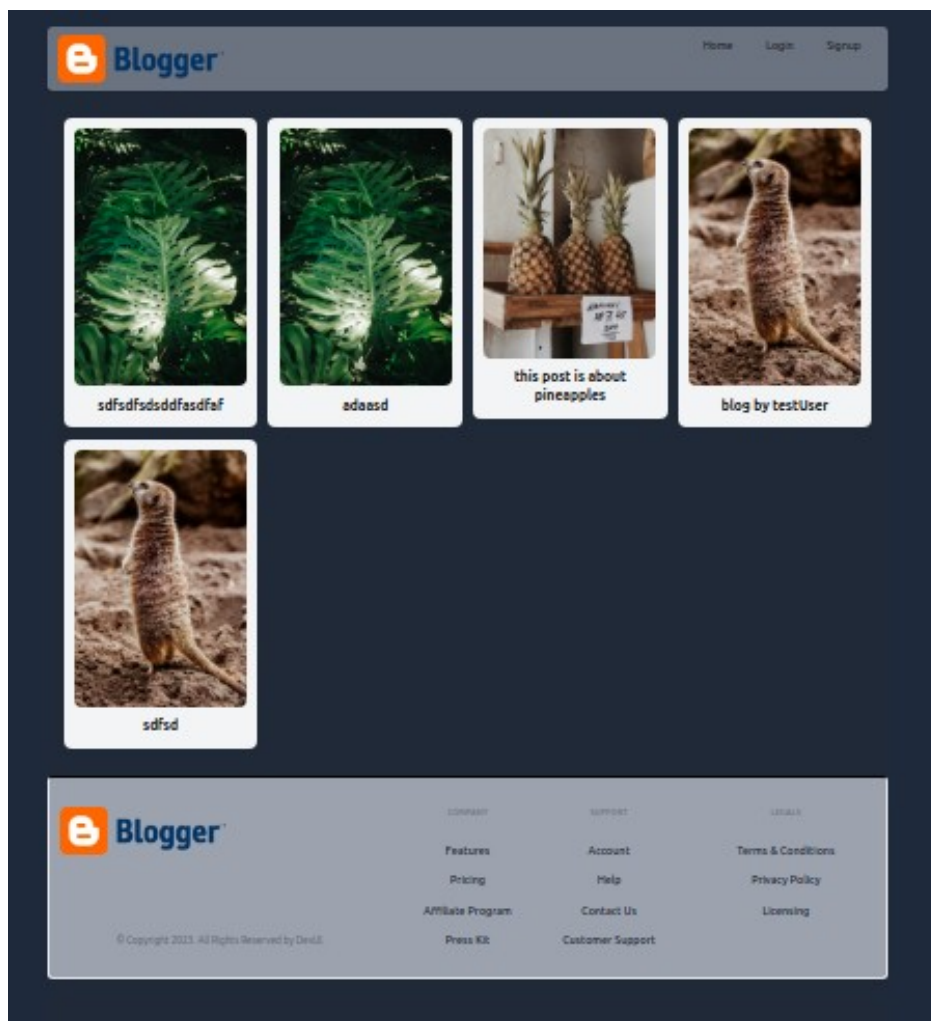
introduction

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BRANCH/SECTION - *CS-3B*

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PROJECT – *react blog website*



- TECH STACK

1. react / react-dom : UI lib
2. react router dom : for routing
3. redux (rtk) : for state management
4. appwrite : for backend (auth + db)
5. react-hook-form : for forms , posts
6. tinyMCE : for real time text editor

- FEATURES

1. user auth (register , login , logout)
2. create post
3. update post (owner based)
4. delete post (owner based)
5. upload files (appwrite's STORAGE)
6. view all posts (public / private feature)

FOLDER STRUCTURE

- public/ : assests
- src/
 - appwrite/ : functionality
 - components/ : ui components
 - conf/ : single env variable importing pathway
 - pages/ : website pages
 - store/ : redux store & slices
 - App.jsx : main outlet (header , outlet , footer)
 - main.jsx : main rendering file

- LEARNING OUTCOMES

1. how to do protected routing
2. how to use react-hook-form
3. how to integrate appwrite (backend as a service)
4. error handling
5. how to make reuseable components (forwardRef)

- FUTURE SCOPE

1. fixing routing bugs
2. image optimizing (compression)
3. improved error handling

backend schema (appwrite : free tire)

-- DB

*collections*

1. *articles*

[title, content , featuredImg, status, userId]

*buckets (media)*

1. *images*

- *first time writing report*