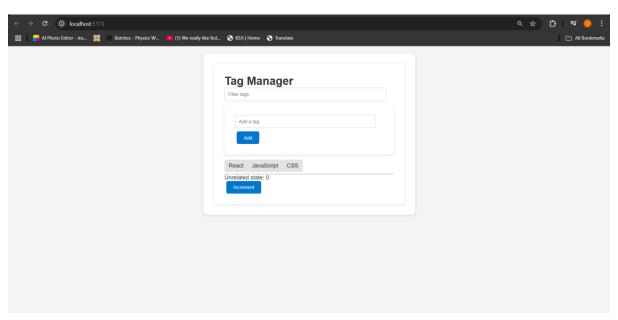
Final Day - https://github.com/shreyas250825/finalday

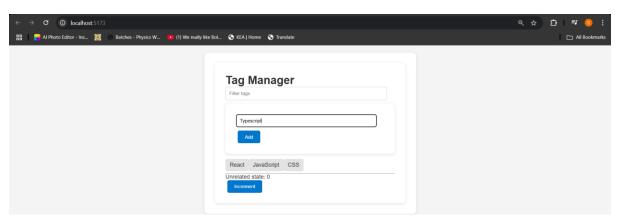
Status- Completed

1.Tag-App

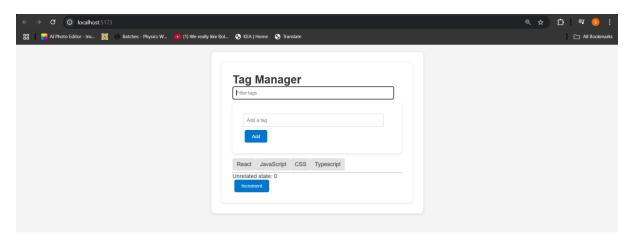
a) Tag-Manager App



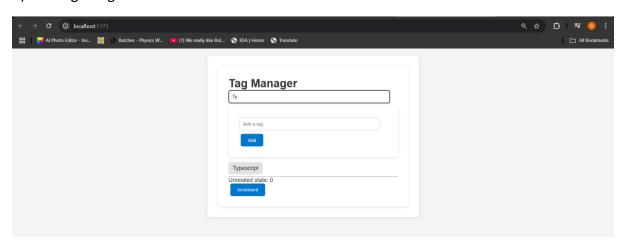
b) Adding a Tag



c)Home Page after adding a tag



d)Filtering a Tag



e) Terminal Output

```
PROBLEMS OUTPUT TERMINAL PORTS

found @ vulnerabilities

PS c:\practice-github\tag-app> npm run dev

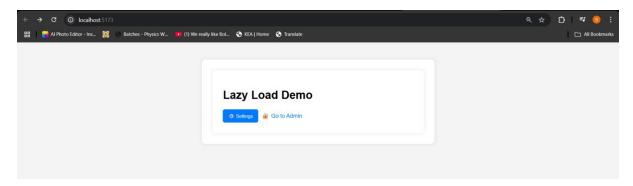
> tag-app@0.0.0 dev
> vite

VTTE V7.0.6 ready in 538 ms

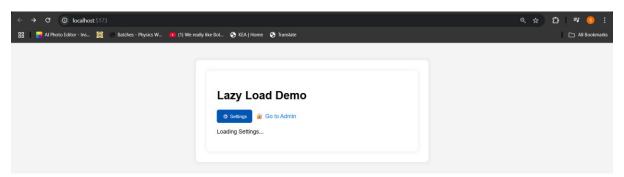
-> Local: http://localhost:5173/
-> Network: use --host to expose
-> press h + enter to show help
```

2.Lazy Load Demo

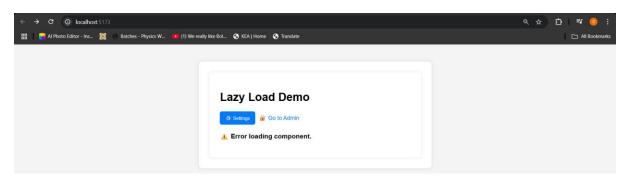
a) Profile Settings Page



b) Showing "Loading Settings" when clicked on Settings (for 1 millisecond)



c) Showing "Error loading Component" when clicked on Settings



d) Terminal Output

```
PROBLEMS OUTPUT TERMINAL PORTS

$\times_{PS}$ C:\practice-github\lazy-load-app \times \pm run dev

> lazy-load-app@0.0.0 dev

> vite

12:18:03 pm [vite] (client) Re-optimizing dependencies because lockfile has changed

VITE v7.0.6 ready in 168 ms

→ Local: http://localhost:5173/

→ Network: use --host to expose

→ press h + enter to show help
```

3.Bundle-Optimization-App

a) Terminal Output for the command "npm run build" using Lodash in App.jsx

b) Terminal Output for the command "npm run build" using Lodash/uniq in App.jsx Replacing Lodash with Lodash/uniq

```
PROBLEMS OUTPUT TERMINAL PORTS

| built in 1.38s |
| PS C:\practice-github\bundle-opt-app> npm run build |
| > bundle-opt-app@0.0.0 build |
| > vite build |
| vite v7.0.6 building for production... |
| node_modules/react-router/dist/development/index.mjs (11:0): Module level directives cause errors when bundled, "use client" in "node_modules/react-router/dist/development /index.mjs" was ignored. |
| node_modules/react-router/dist/development/dom-export.mjs (1:0): Module level directives cause errors when bundled, "use client" in "node_modules/react-router/dist/development/dom-export.mjs" was ignored. |
| vite v7.0.6 building for production... |
| node_modules/react-router/dist/development/index.mjs (1:0): Module level directives cause errors when bundled, "use client" in "node_modules/react-router/dist/development/dom-export.mjs" was ignored. |
| vite v7.0.6 building for production... |
| vite v7.0.6 building for production... |
| node_modules/react-router/dist/development/index.mjs (1:0): Module level directives cause errors when bundled, "use client" in "node_modules/react-router/dist/development/dom-export.mjs" was ignored. |
| vite v7.0.6 building for production... |
| node_modules/react-router/dist/development/dom-export.mjs (1:0): Module level directives cause errors when bundled, "use client" in "node_modules/react-router/dist/development/dom-export.mjs" |
| vite v7.0.6 building for production... |
| node_modules/react-router/dist/development/dom-export.mjs (1:0): Module level directives cause errors when bundled, "use client" in "node_modules/react-router/dist/development/dom-export.mjs" |
| vite v7.0.6 building for production... |
| node_modules/react-router/dist/development/dom-export.mjs (1:0): Module level directives cause errors when bundled, "use client" in "node_modules/react-router/dist/development/dom-export.mjs" |
| vite v7.0.6 building for production... |
| vite v7.
```

c) Terminal Output for the command "npm uninstall moment"

```
PROBLEMS ① OUTPUT TERMINAL PORTS

PS C:\practice-github\bundle-opt-app + V [] ② ··· [] X

PS C:\practice-github\bundle-opt-app pnm uninstall moment

***

removed 1 package, and audited 45 packages in 918ms

10 packages are looking for funding
 run 'npm fund' for details

found ② vulnerabilities

PS C:\practice-github\bundle-opt-app>
```

d) Error in Terminal after the command npm uninstall moment

```
PROBLEMS ① OUTPUT TERMINAL PORTS

VITE V7.0.6 ready in 128 ms

- Local: http://localhost:5173/
- Network: use --host to expose
- press h + enter to show help
(!) Failed to run dependency scan. Skipping dependency pre-bundling. Error: The following dependencies are imported but could not be resolved:

moment (imported by C:/practice-github/bundle-opt-app/src/App.jsx)

Are they installed?
    at file:///c:/practice-github/bundle-opt-app/node_modules/vite/dist/node/chunks/dep-BHkUv4Z8.js:11195:33
    at process.processTicksAndRejections (node:internal/process/task_queues:105:5)
    at async file:///C:/practice-github/bundle-opt-app/node_modules/vite/dist/node/chunks/dep-BHkUv4Z8.js:34689:15
```

e) Inserting this command in App.jsx "const now = new Date().toLocaleDateString();"

f) Replacing this command in App.jsx "import { format } from 'date-fns';" with "import format from 'date-fns/format';"

i) Terminal Output

```
PROBLEMS ② OUTPUT TERMINAL PORTS

Symbol = bundle-opt-app + ✓ □ □ ··· □ ×

PS C:\practice-github\bundle-opt-app> npm run dev

bundle-opt-app@0.0.0 dev

vite

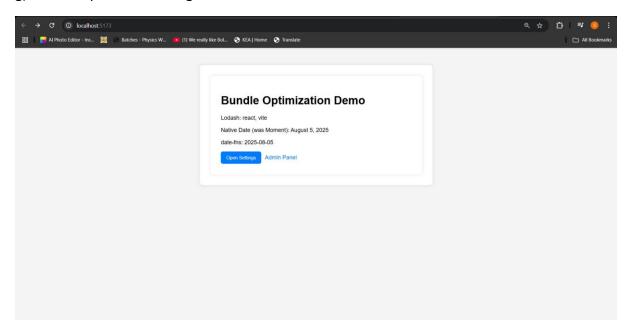
VITE V7.0.6 ready in 134 ms

Local: http://localhost:5173/

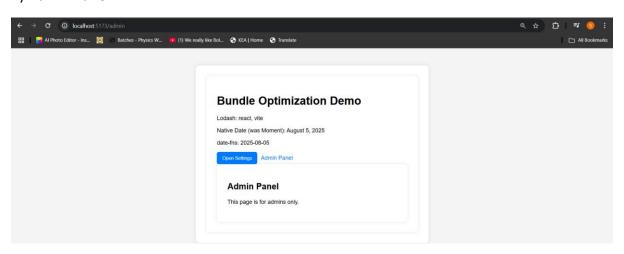
Network: use --host to expose

press h + enter to show help
```

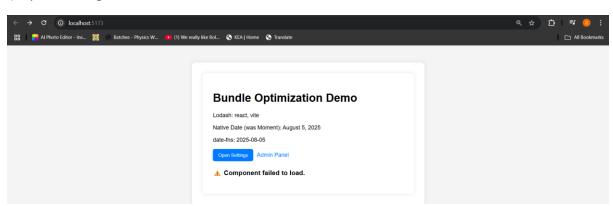
g) Final Output – Home Page



h) Admin Panel



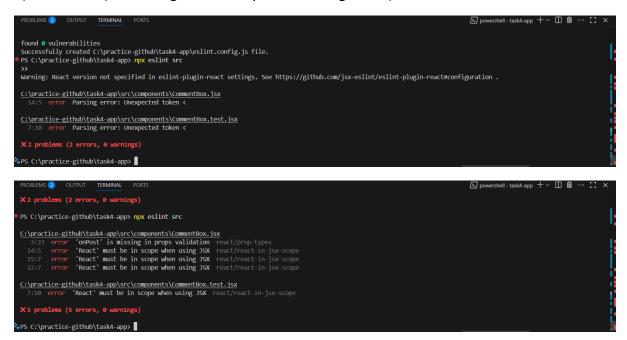
i) Open Settings



4. React Task-App Suite

a) Terminal Output

b) Run ESLint (Its running Successfully and Catching Errors)



c) Rectifying Error

```
PROBLEMS ② OUTPUT TERMINAL PORTS

>> 
PS C:\practice-github\task4-app> ■

| Dowershell-task4-app + ∨ □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ □ ··· □ ··· □ □ ··· □ ·· □ ··· □ ··· □ ··· □ ··· □ ··· □ ··· □ ·· □ ··· □ ···
```

d) Test Failed – due to expect "(screen.getByText('Approved!')).toBeInTheDocument();"

e) Fixing the above error (Fails on async UI updates)

```
Duration 9.72s (transform 49ms, setup 0ms, collect 429ms, tests 59ms, environment 1.28s, prepare 195ms)

PS C:\practice-github\task4-app npx vitest run

RNN V3.2.4 C:\practice-github\task4-app px vitest run

RNN V3.2.4 C:\practice-github\task4-app px vitest run

None of the collect of the collect of the collect department of the
```

g) Final Terminal Output - Fixing it Completely

```
PROBLEMS OUTPUT TERMINAL PORTS

Duration 10.06s (transform 64ms, setup 0ms, collect 500ms, tests 67ms, environment 1.26s, prepare 211ms)

PS C:\practice-github\task4-app > npx vitest run

RUN v3.2.4 C:\practice-github/task4-app

\[
\sigma rc/components/CommentBox.test.jsx (1 test) 29ms
\[
\sigma rc/components/ApprovalBox.test.jsx (1 test) 39ms
\]

Test Files 2 passed (2)

Tests 2 passed (2)

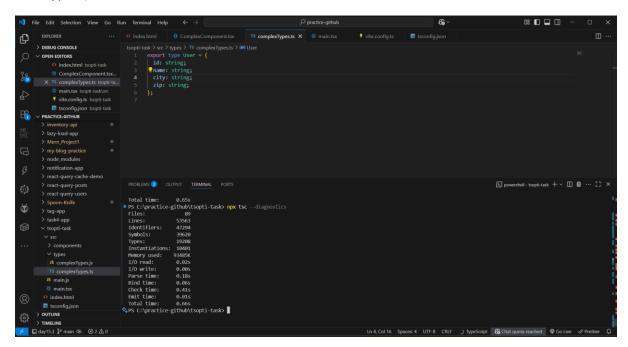
Start at 13:49:32

Duration 9.92s (transform 63ms, setup 0ms, collect 1.03s, tests 68ms, environment 1.23s, prepare 203ms)
```

5. TSOptiTask: A TypeScript Build Optimization Suite

a) Terminal Output of Running Diagnostics "npx tsc -diagnostics"

b) Terminal Output of Running Diagnostics after Flattened (Comparing Nodes, Check time, and Types.)



c) Terminal Output of Running Diagnostics after editing tsconfig.json

d) Terminal Output - Build with esbuild



When removed some functions from the expression for example, subtract and multiply, and re-run build — file size will reduce.

e) Final Terminal Output After Split Project using Project References

