

Git Notes - Intermediate Level

Description

Why Gists are so popular? In open source community you want to create content & share it with people. With Gists you can create public content, code fragment, configuration files. You can share it with people, search it on Github, save it to your profile & much more. In this assignment you are going to provide a better solution for Managing Gists.

Mockups

Tap into the Figma link for a comprehensive view of project mockups and UI design.

Requirements

The Landing Page

























- As user open the app, user should be able to see landing screen with a list of Gists in it.
- List will contain paginated `public gists` from `github api`.
 - List Layout

@EMUMBA

Search gists...

Login

Public Gists

Name	Notebook Name	Keyword	Updated		
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Page

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of 14

>


- Grid Layout

Public Gists

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1 {
2   "name": "vercel-monorepo",
3   "version": "0.0.0",
4   "private": true,
5   "license": "Apache-2.0",
6   "packageManager": "pnpm@8.3.1",
7   "dependencies": {
8     "lerna": "5.6.2"
9   },
10  "devDependencies": {
```


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Git Description

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**John Doe / gist_name**
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Git Description

View vercel_package.json


```
1 {
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6   "packageManager": "pnpm@8.3.1",
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```

**John Doe / a very long gist name t**
Created 7 hours ago
A very long gist description that will overflow


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1 {
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**John Doe / gist_name**
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Git Description

< Page 1 of 14 >

- Use the toggle to Switch Between the Layouts
- Page will also contain a header with
 - Login menu for login with github
 - Search for searching a Gist using ID

Public Gists

Login Page

- Once user click login menu, it will allow the user to login using github.
 - Maintain user session
- Once logged in, header will contain profile menu with picture of user.



Public Gists



Gist Page

- Once user click any Gist from landing page, it will redirect to Gist page
- For a Public Gist page will
 - Contain the information of the Gist with owner's informations
 - Allow user to give
 - Allow user to that Gist
 - If the user hasn't logged in yet, user shouldn't be allowed to fork and star gist.



John Doe / gist_name

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Git Description

Fork

18



Star

528

vercel_package.json

```
1 {
2   "name": "vercel-monorepo",
3   "version": "0.0.0",
4   "private": true,
5   "license": "Apache-2.0",
6   "packageManager": "pnpm@8.3.1",
7   "dependencies": {
8     "lerna": "5.6.2"
9   },
10  "devDependencies": {
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```

Create Gist

- Profile menu will have
 - **Create** Submenu for creating a Gist
 - A gist can have multiple files. The **Add File** button will add a single file to your gist when clicked on.
 - Once all the files are added, clicking on **Create Gist** will create your new gist with the added files



Create Gist

This is a Git Description

filename.txt

```

1
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9
10

```

Filename including extension...

```

1

```

Add file

Create Gist

- Logout Submenu for Singing out of Github
- User Profile Submenu for User Profile & user's Gists
- Starred gists Submenu to view the user's starred gists.



John Doe

[View GitHub Profile](#)

All Gists 5

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```



John Doe / gist_name

Created 7 hours ago
Git Description

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```

[View vercel_package.json](#)


John Doe / a very long gist name that will overflow if it reaches the end of the contai...

Created 7 hours ago
A very long gist description that will overflow this container...



- Signed in as
John Doe
- Your gists
- Starred gists
- Your GitHub profile
- Help
- Sign out

Important Points

- Follow docs <https://docs.github.com/en/rest/reference/gists> for Gist Api Documentation..
- Everything must be live e.g,if you star some gist . It should be visible in starred gists.
- Dont allow any gist operation(star,fork) untill user hasn't logged in.
- If your open starred gists,the star icon should be filled.
- If you open public Gist,edit and delete option shouldn't be visible.

How to Set Up GitHub OAuth with Firebase

GitHub OAuth Steps:

1. Create a Firebase Account.
2. Create a new Firebase project.
3. Go to the projects console and select Authentication.
4. In Sign-In providers choose GitHub.
5. Provide the Client ID and Client Secret you got from GitHub.
6. Go to your GitHub app config and provide the callback URL which is provided by Firebase.
7. Install Firebase package.

```
npm i firebase
```

8. Add the Firebase configuration details (API keys, project ID, etc.) to the environment file in your Angular project..

Coding Guidelines

- Create generic component and then use it on different pages e.g, Gist Code Component (where gist code is shown) should be reusable in Grid View and also on different routes.
- You have to set error boundries for every case.