GITHUB-CLONE

GitHub Link: - <https://www.github.com/suranatarun/Github-Clone>

Aws Link: - <http://github-client.s3-website.ap-south-1.amazonaws.com>

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* Project Description:-

**GitHub, Inc.** is a provider of [Internet hosting](https://en.wikipedia.org/wiki/Internet_hosting_service) for [software development](https://en.wikipedia.org/wiki/Software_development) and [version control](https://en.wikipedia.org/wiki/Version_control) using [Git](https://en.wikipedia.org/wiki/Git). It offers the [distributed version control](https://en.wikipedia.org/wiki/Distributed_version_control) and [source code management](https://en.wikipedia.org/wiki/Source_code_management) (SCM) functionality of Git, plus its own features. It provides [access control](https://en.wikipedia.org/wiki/Access_control) and several collaboration features such as [bug tracking](https://en.wikipedia.org/wiki/Bug_tracking_system), [feature](https://en.wikipedia.org/wiki/Software_feature) requests, [task management](https://en.wikipedia.org/wiki/Task_management), [continuous integration](https://en.wikipedia.org/wiki/Continuous_integration) and [wikis](https://en.wikipedia.org/wiki/Wiki) for every project, headquartered in [California](https://en.wikipedia.org/wiki/California), it has been a subsidiary of [Microsoft](https://en.wikipedia.org/wiki/Microsoft) since 2018.

GitHub offers its basic services free of charge. Its more advanced professional and enterprise services are commercial. Free GitHub accounts are commonly used to host [open-source](https://en.wikipedia.org/wiki/Open-source) projects. As of January 2019, GitHub offers unlimited private [repositories](https://en.wikipedia.org/wiki/Repository_(version_control)) to all plans, including free accounts, but allowed only up to three collaborators per repository for free. Starting from April 15, 2020, the free plan allows unlimited collaborators, but restricts private repositories to 2,000 minutes of GitHub Actions per month. As of January 2020, GitHub reports having over 40 million users and more than 190 million [repositories](https://en.wikipedia.org/wiki/Repository_(version_control)) (including at least 28 million public repositories), making it the largest host of [source code](https://en.wikipedia.org/wiki/Source_code) in the world.

* Needs and Purpose:-

**Needs:** Need of this project should be developed for peoples to know What is GitHub, I will try to make sure Can I build same functionalities of the same functionalities of actual GitHub Website.

**Purpose:** The only purpose of this project to be develop I just want to gain more knowledge about bit more complex functionalities means how to build that functionalities and make sure to run smooth all functionalities.

* Hypothesis, Aims and Objectives:-
  + - Hypothesis:

First we login page in which how login form which help to login while using login name.

Second after login see GitHub home page there see all data about user.

Third in GitHub-Home user See Overview radio box in which see repo data.

Fourth in GitHub-Home user See Repositories radio in which repo all data.

Fifth in GitHub-Home user See Gist and Followers Data which click on radio button.

* + - Aims:

The main aim is to develop this project to gain knowledge and make sure Can I build bit more complex solution of that particular problem and applied best practice to make Clone of actual GitHub Account.

* + - Objective: The main objective is to be developed website to try to show a live data of GitHub Particular User like such as Repo Data ,Gist Data, Followers Data, User Image, User Name, login name, User Bio, and many other details.
* Project Methodology:-
* Strategy:-

Design a flowchart to make strategy how to implement a whole project in easy and convenient way and remember all important points to try how work this project.

* Managed and Completed:-

First I think to the modules and components and carefully read all the details of the project proposal and make points to implement this project easily and also analysis its really work for me to maintain this project and also completed with time busy schedule for completed in time with help of time management skills.

* Components & Service:-
  + - * + App Component
        + Login-View Component
        + User-View Component
        + Search-View Component
        + Error-view Component
        + GitHub API Service
        + Resolver Service
        + Can Deactivate Guard Service
* Timeline:-
* Design a Flowchart to understand a flow of project.
* First never forget to install package with help of NPM.
* Second create component which contain in project
* Third setup router to navigate other pages easily.
* Fourth do design rough sketch design of all components.
* Fifth start designing using CSS and Bootstrap.
* Sixth also build logic to implement operations on table.
* Requirement:-
* Hardware Requirement :- 8gb ram, 500gb HDD
* Software Requirement: - VS Code, Postman, Google Chrome.
* Languages: - HTML, CSS, Bootstrap, Typescript, Angular, NPM.
* Operating System: - Window 10.