1. user: user\_id(pk), password, name, email, city, state, country
2. followers(user\_id , follower)
3. repository: user\_id, repo\_id(pk), repo\_url,repo\_name, type, repo\_desc, repo\_created\_at
4. Members\_of: user\_id(pk), repo\_id(pk)
5. branches: repo\_id, branch\_id, branch\_name
6. project\_files: repo\_id, branch\_id, project\_id, project\_name, project\_created\_at

BREAKS DOWN TO

(

project\_files: repo\_id, branch\_id, project\_id

project\_details: project\_id, project\_name, project\_created\_at

)

1. commits: repo\_id, branch\_id, commit\_id
2. pull\_requests: repo\_id, branch\_id, pullreq\_id
3. makes: user\_id, repo\_id, branch\_id, commit\_id, comment, commit\_created\_at

BREAKS DOWN TO

(

makes: user\_id, repo\_id, branch\_id, commit\_id

commit\_details: commit\_id, comment, commit\_created\_at

)

1. requests: user\_id, repo\_id, branch\_id, pullreq\_id, pull\_request\_date

BREAKS DOWN TO

(

requests: user\_id, repo\_id, branch\_id, pullreq\_id

pullreq\_details: pullreq\_id, pull\_request\_date

)

FUNCTIONALITIES:

1. SignUp /Save the hashed password
2. Login /Decrypt the password
3. Creates a repo / View all repos
4. View/add members
5. Creates a branch / View all branches
6. Creates a project file / View all projects for that branch
7. Select a branch
   1. Commit in that branch /View all commits for that branch
   2. Pulls\_request from that branch /View all pull\_requests for that branch
   3. Comments in that branch /View all comments for that branch

7) Follow Someone /View all the followers

8) Logout