

Repos and orgs tabs are hidden
until user logs in

SELECT based
on string match
from User table

Search is
by selectin
rows with n
containing
in search

JOIN organizatio
and Repository
object

User login Page:

INSERT
on User
table

User LoginRepositoriesOrganizations

Log in:

UsernamePassword

Enter

Create new account:

UsernamePassword

Create

Number of commits:30

This section only shows when
user is logged in

Repositories page

User LoginRepositoriesOrganizations

Search for Repository

Repo nameEnter

Results

Repo 1Select

Repo 2Select

Repo 3Select

Repo 4Select

Search for File

Results

File1Select

File2Select

File3Select

FileSelect

Extensions list

.js, .ts, .json

View Contents

Add File

File PathFile Name

Contents

Create

Delete File

Add Commit

New File contents

Lines changed

Commit

AGGREGATION
WITH GROUP
BY:
number of
commits made by
the user

DELETE
deletes file
from
database

UPDATE File
Object when
commit is created

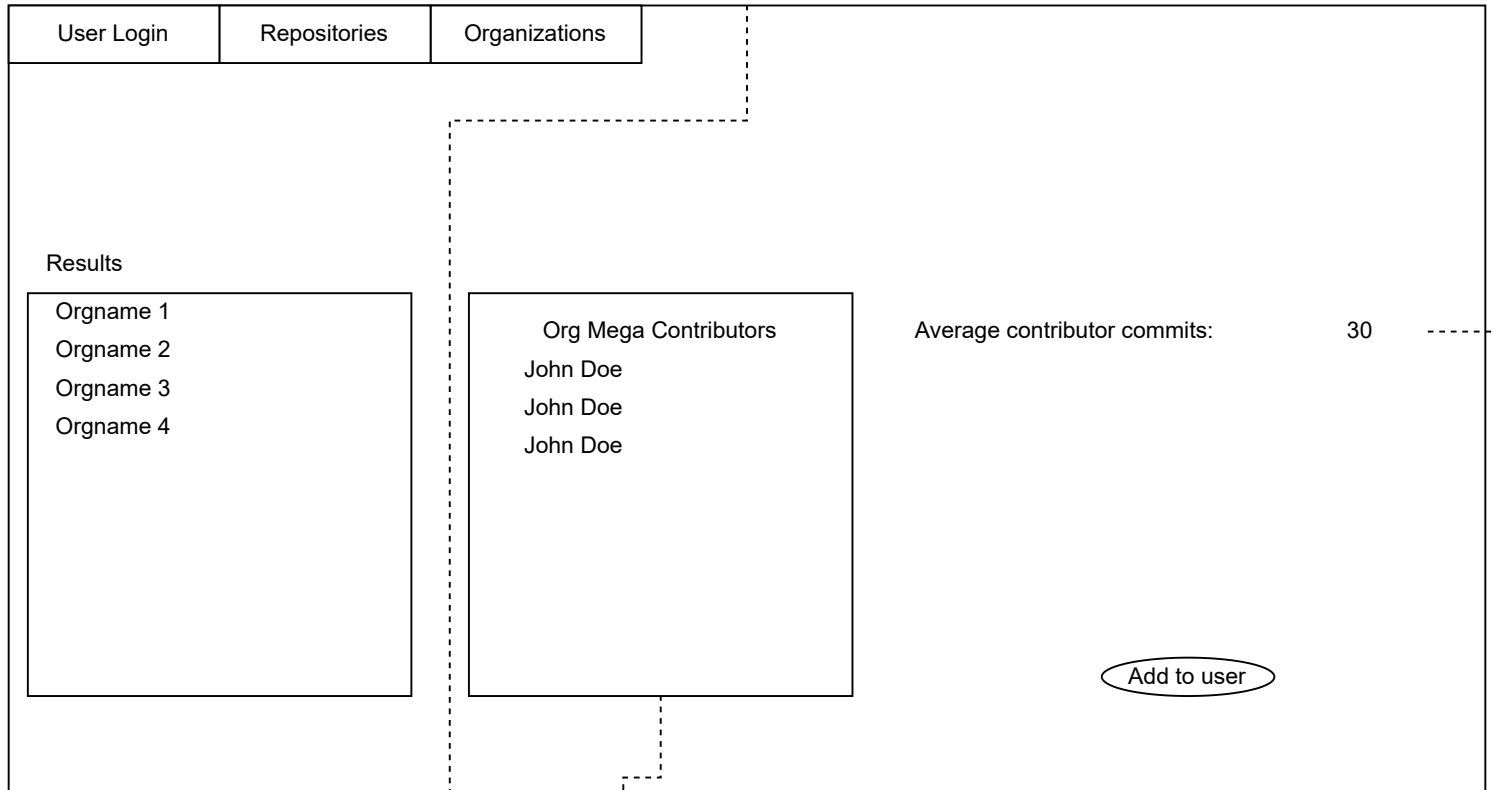
e dotted line only
s up once File is
selected

To the right of dotted line
only shows up once repo
is selected

View Contents button
opens new window
with text contents of
file

PROJECTION
on extensions

Organizations Page



DIVISION:
Finds mega_users, ie users who've
contributed to every project in the
organization

NESTED
AGGREGATION
WITH GROUP BY:

Shows the average
number of commits
made by a user, on
the condition that the
user belongs to the
organization