

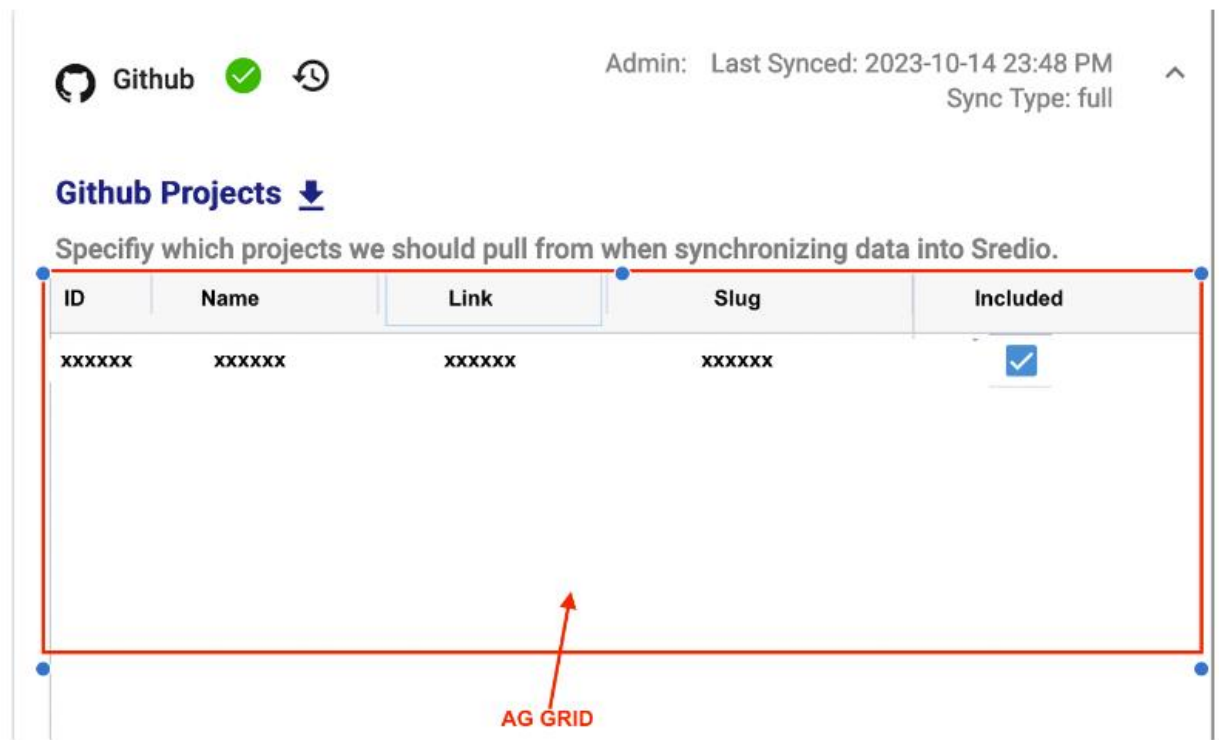
## Task 2 Test

### Stack Requirements:

- Node.js v18/ ExpressJS
- Angular v15.2 /Angular Material
- MongoDB
- AG Grid (<https://www.ag-grid.com/>)

### Objective A:

- We need to fetch all Organizations associated with the authenticated user.
- We need to fetch all Repos for the Organizations.
- We will display the Repos data in an AG Grid (front end)



- We will display all the repos from all the organizations in the above Grid. The included column is very important. If the Included is checked, it means we will be fetching further data for the Repo.
- If the Included field is checked for the Repo, we will fetch the following data entities: Commits, Pull Requests, Issues.
- We need to fetch all the Records (Commits, Pull requests, Issues) for the included projects.

### Objective B: Display Data Stats in an AG Grid table:

- We need to create an AG Grid. It will have the following headers:
  - User
  - Total Commits

- Total Pull Requests
  - Total Issues
- Based on the data we have fetched, we need to display the results at the user level

UserID	User	Total Commits	Total Pull Requests.	Total Issues

#### Technical Guidance:

- Create REST API for the GitHub integration.
- Fetching Github Data needs to be performed Server Side.
- Create routes, controllers and models.
- Use Validation and Error Checking.

#### Testing Tips:

- Create a GitHub account for testing purposes.
- Import Open source/Public Repos. (Important)
- Connect the testing account to make sure the authentication is working properly.
- We need to test the GitHub data using Organizations. You may need to adjust the GitHub Authentication Scope;
- Once done with the task, please create a short video covering the above objectives.