Team Bug Crawlers

RisenOne Employee Portal - Project 1

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Problem Summary

- Create an employee portal for daily status updates
- Print data from the backend to the front end.
- Add reports to the table.
- Technologies Include: Angular Material, AWS Serverless Framework, NodeJS

Running Results

John Doe's Status Updates

Date	Projects	Report Status
4/20/2023	FLP; FEMA	Submitted
4/10/2023	N/A	Submitted
4/1/2023	FLP; FEMA	Submitted
3/1/2023	FEMA	Submitted
2/1/2023	FLP	Submitted
1/1/2023	N/A	Submitted

Filter | Add Report | Export Data | Items per page: 10 | 1 – 6 of 6

Add Report

Employee Name
John Doe

Date
4/26/2023
MM/DD/YYYY

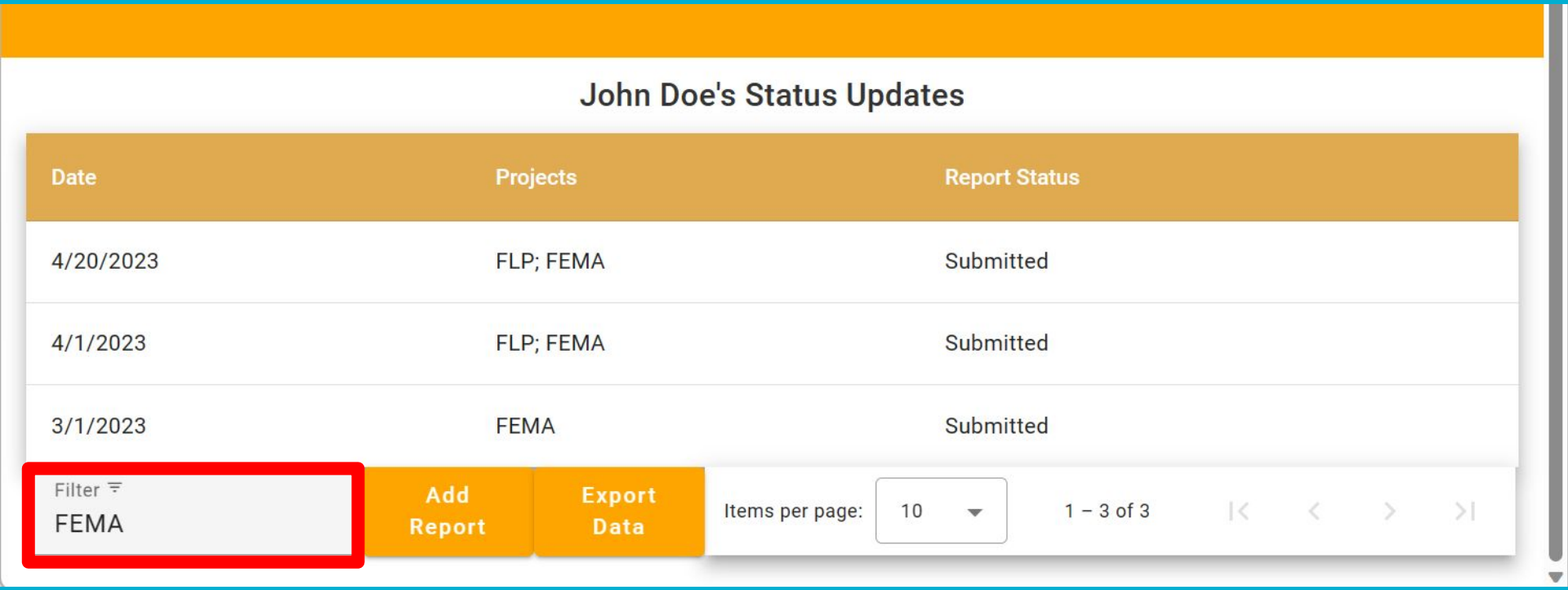
Report Text Goes Here

Select Project(s)

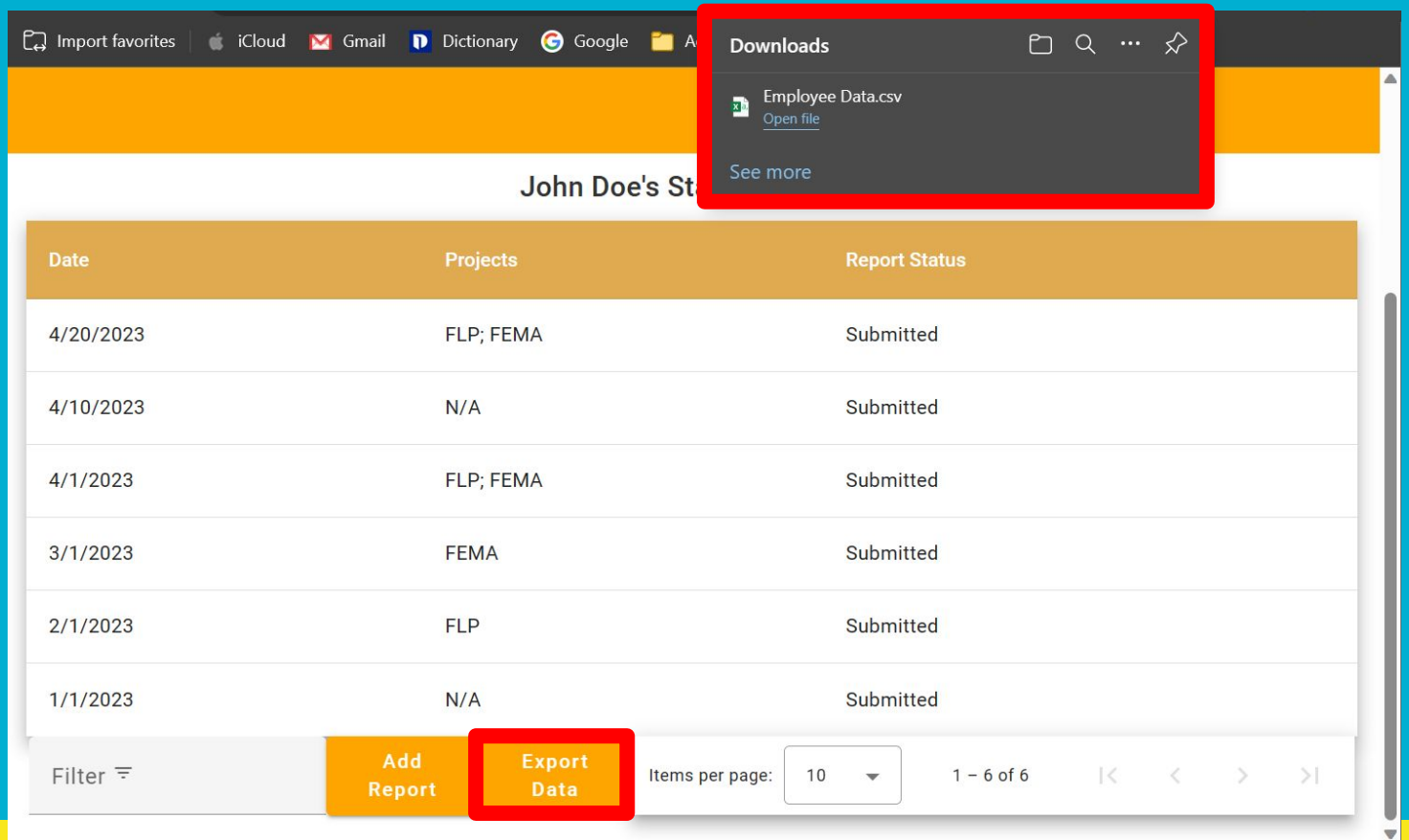
☐ FLP ☐ FEMA

Cancel | Save

Filter Option



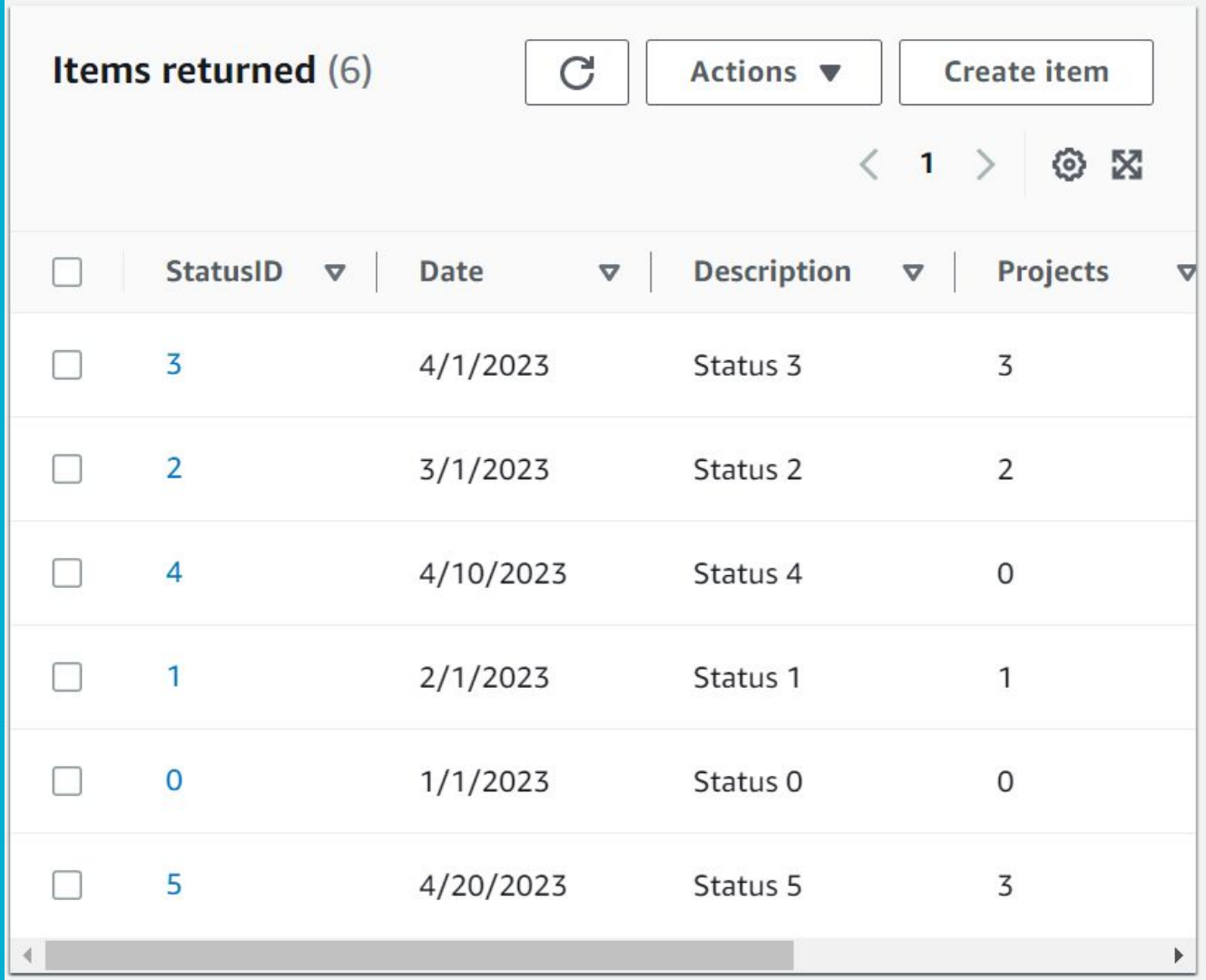
Export Data Option



Dynamo DB

Items:

- StatusID
- Username
- Date
- Description
- Projects (FLP/FEMA)
- Submitted (True/False)

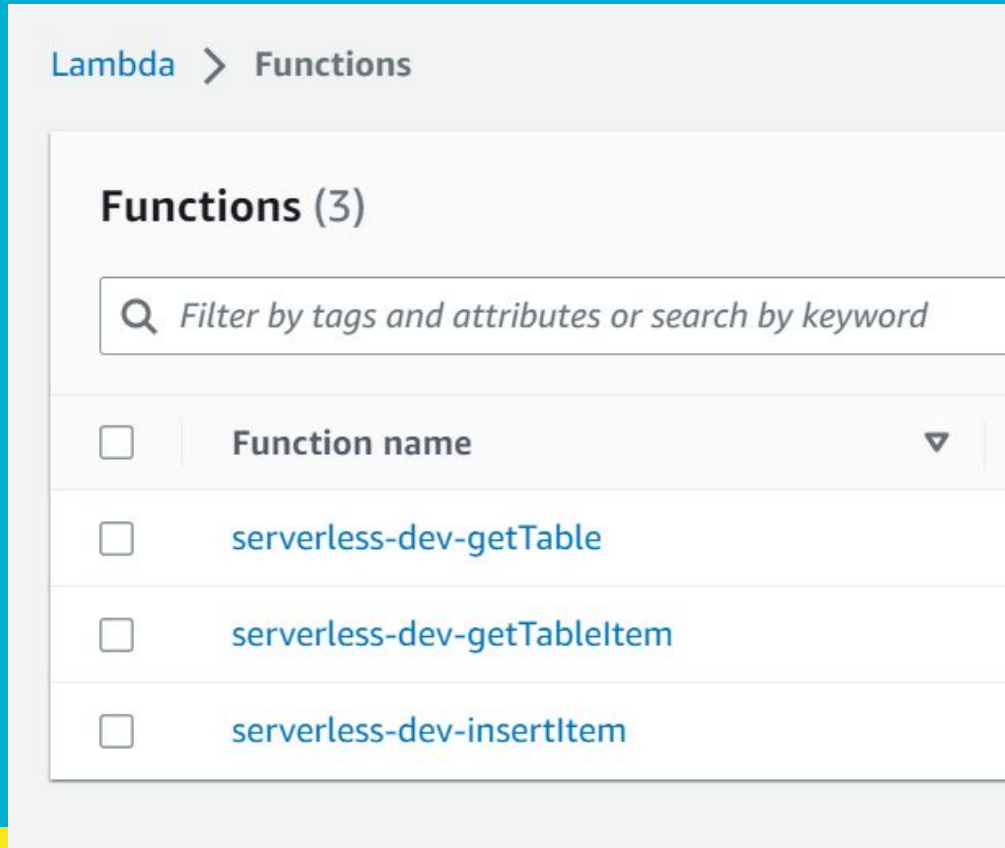


Lambda Functions

serverless-dev-getTable:
- Get data of entire table.

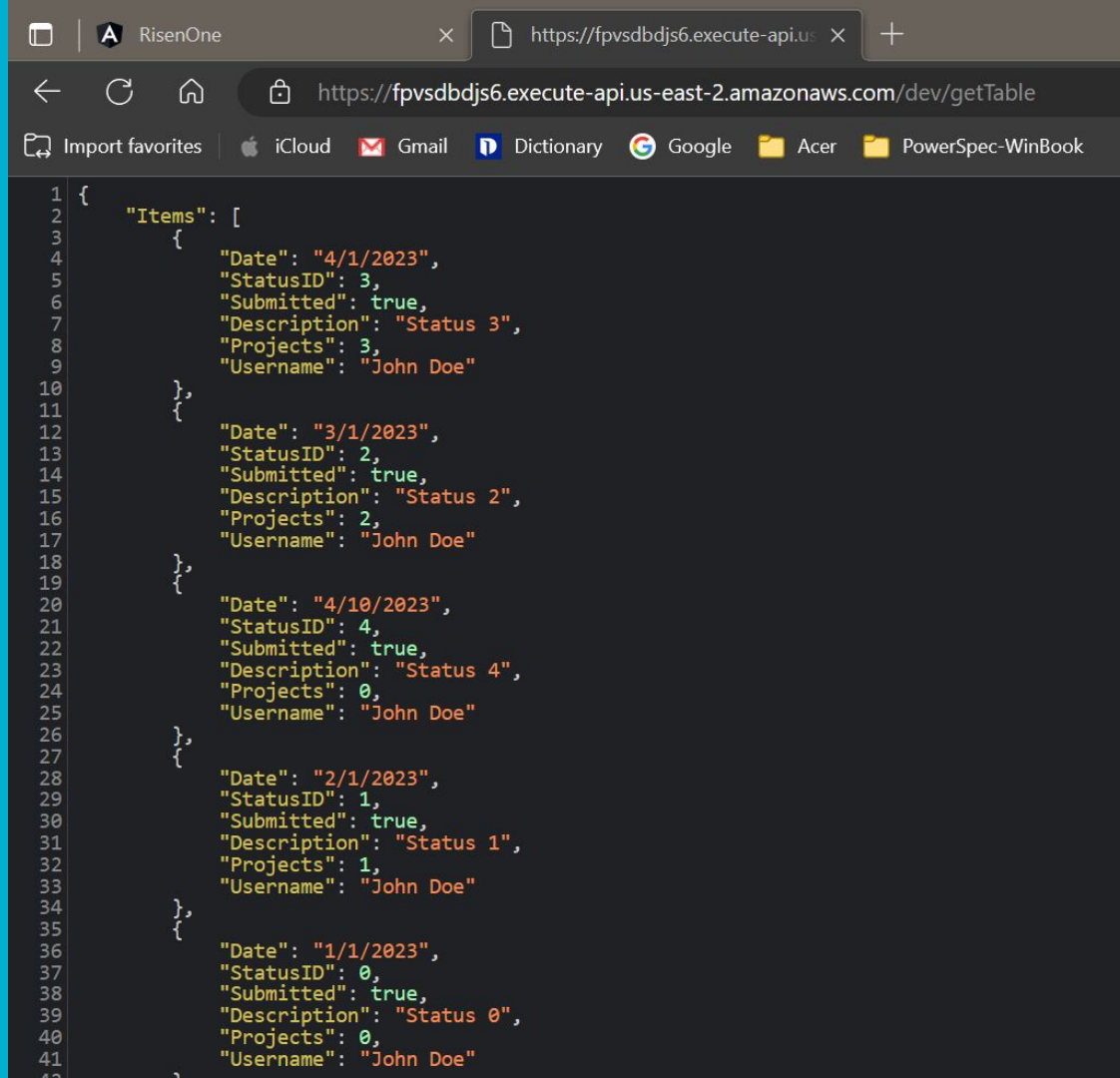
serverless-dev-getTableItem:
- Get data of one item of the table, based on the StatusID.

serverless-dev-insertItem:
- Insert or update a new item into the table.



API Gateway

Calling the API will return the data as a JSON string.




```
{
    "Items": [
        {
            "Date": "4/1/2023",
            "StatusID": 3,
            "Submitted": true,
            "Description": "Status 3",
            "Projects": 3,
            "Username": "John Doe"
        },
        {
            "Date": "3/1/2023",
            "StatusID": 2,
            "Submitted": true,
            "Description": "Status 2",
            "Projects": 2,
            "Username": "John Doe"
        },
        {
            "Date": "4/10/2023",
            "StatusID": 4,
            "Submitted": true,
            "Description": "Status 4",
            "Projects": 0,
            "Username": "John Doe"
        },
        {
            "Date": "2/1/2023",
            "StatusID": 1,
            "Submitted": true,
            "Description": "Status 1",
            "Projects": 1,
            "Username": "John Doe"
        },
        {
            "Date": "1/1/2023",
            "StatusID": 0,
            "Submitted": true,
            "Description": "Status 0",
            "Projects": 0,
            "Username": "John Doe"
```

Get Data From Backend To Frontend

```
getData() {
  console.log("Getting Data")
  for (let i = 0; i < this.tableData.Count; i++) {
    let Projects = "N/A";
    let Status = "Missing"
    if (this.tableData.Items[i].FLP == true && this.tableData.Items[i].FEMA == true)
      Projects = "FLP; FEMA";
    else if (this.tableData.Items[i].FLP == true)
      Projects = "FLP";
    else if (this.tableData.Items[i].FEMA == true)
      Projects = "FEMA";
    if (this.tableData.Items[i].Submitted == true)
      Status = "Submitted"
    REPORT_DATA.push({date: this.tableData.Items[i].Date, projects: Projects, reportStatus: Status});
  }
  this.dataSource.paginator = this.paginator;
  this.dataSource.sort = this.sort;
}
```

What we need to finish

- Get the **Add Report** button to properly function.

- Get the **Export Data** button to export all data from the backend.