Sprint 4

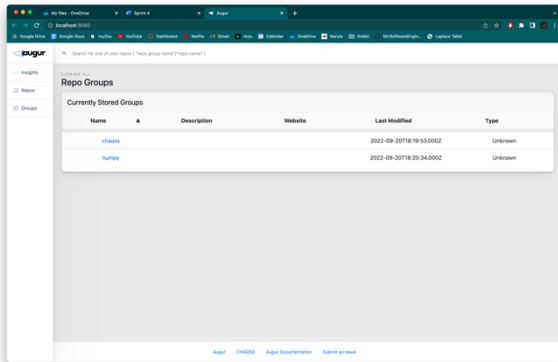Group 2: Olivia Guess, Anirudh Kambhampati, Andrii Soloviov, Nathan Tucker

The Process

When updating the libraries, we needed to remove package-lock.json in order to update every library in Augur's frontend to the latest version. However, when we reinstalled npm and did npm audit fix, we ran into many problems that we had not run into before which had to be resolved using different commands in the terminal. Each of us also recloned the repository, which was one of the reasons why we were not able to run the server.

When recloning the repository, frontend.config.json file was not re-added. We added this back into the frontend folder to run the server in both main and spg-fix. Github will not upload this file, so we had to manually add this to each local branch. After adding this back in, the server was able to run on both branches, main and spg-fix.

Comparing the updated frontend

Running the server on main (old libraries)	Running the server on Spg-fix (updated libraries)
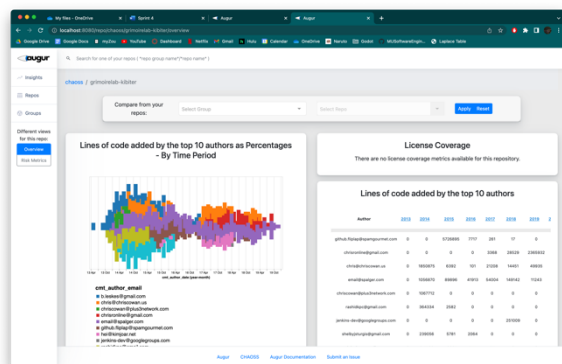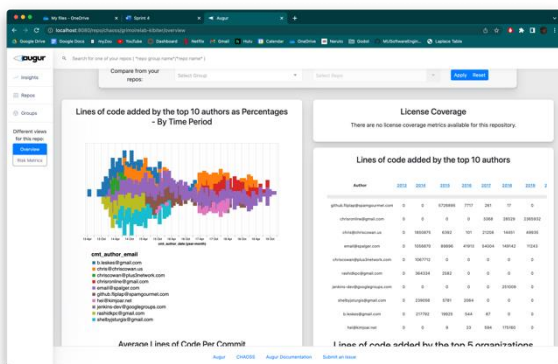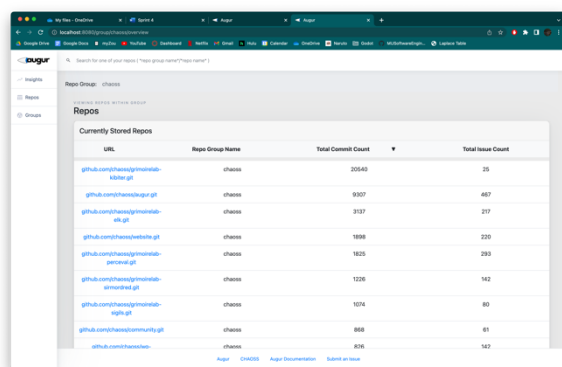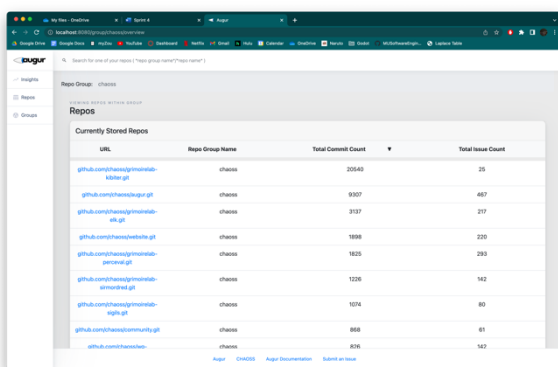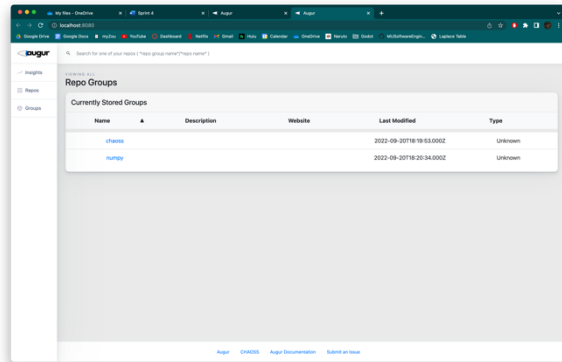
Package.json before and after updating the libraries

```json
"dependencies": {
  "@types/d3": "^5.7.2",
  "@types/jquery": "^3.5.1",
  "@types/lodash": "^4.14.159",
  "@types/nprogress": "^0.2.0",
  "@vue/cli": "^3.12.1",
  "bootstrap": "^4.5.2",
  "brunch": "^2.10.17",
  "cairo": "0.1.0-alpha.3",
  "canvas": "^2.9.1",
  "core-js": "^2.6.11",
  "d3": "^5.16.0",
  "jquery": "^3.5.1",
  "lodash": "^4.17.20",
  "math": "0.0.3",
  "nprogress": "^0.2.0",
  "query-string": "^6.13.1",
  "quill": "^1.3.7",
  "shards-ui": "^3.0.0",
  "shards-vue": "^1.0.4",
  "svgsaver": "^0.9.0",
  "vega": "5.20.2",
  "vega-embed": "^4.2.5",
  "vega-lite": "^3.4.0",
  "vue": "^2.6.11",
  "vue-class-component": "^7.2.5",
  "vue-multiselect": "^2.1.6",
  "vue-property-decorator": "^8.5.1",
  "vue-router": "^3.4.3",
  "vue-spinners": "^1.0.2",
```

```json
"dependencies": {
  "@types/d3": "^5.7.2",
  "@types/jquery": "^3.5.1",
  "@types/lodash": "^4.14.159",
  "@types/nprogress": "^0.2.0",
  "@vue/cli": "^5.0.8",
  "bootstrap": "^4.5.2",
  "brunch": "^4.0.1",
  "cairo": "0.1.0-alpha.3",
  "canvas": "^2.9.1",
  "core-js": "^2.6.11",
  "d3": "^7.6.1",
  "jquery": "^3.5.1",
  "lodash": "^4.17.20",
  "math": "0.0.3",
  "nprogress": "^0.2.0",
  "query-string": "^6.13.1",
  "quill": "^1.3.7",
  "shards-ui": "^3.0.0",
  "shards-vue": "^1.0.4",
  "svgsaver": "^0.9.0",
  "vega": "^5.22.1",
  "vega-embed": "^4.2.5",
  "vega-lite": "5.6.0",
  "vue": "^2.6.11",
  "vue-class-component": "^7.2.5",
  "vue-multiselect": "^2.1.6",
  "vue-property-decorator": "^8.5.1",
  "vue-router": "^3.4.3",
  "vue-spinners": "^1.0.2",
```

Summary

The goal of our project was to update the front-end libraries. Running *npm audit fix* did most of the job done. However, we also had to delete package-lock.json to make sure that we are updating to the latest possible version for every dependency. That has caused a lot of errors when trying to start augur interface. We think those errors were fixed by making sure we added a –force flag when updating packages.

Almost all of us also ended up redownloading the repo and starting from scratch. When doing that, we were also forgetting that the frontend folder needs a frontend.config.json (it's not stored on github so we need to manually add it every time we redownload the repo). At the end, we managed to get the interface started on all our machines with the updated libraries.

We went through every page on the interface and made sure that each element was rendering and functioning properly after the update. After going through the frontend interface, it seems to be working properly after the update.

This project proved to be a lot tougher than we had initially anticipated. Updating the libraries presented a lot of issues that we did not know how to solve on our own. We had to do a lot of research and collaboration in order to get the servers running. However, in the end, we managed to update the libraries properly and get the frontend running how it is supposed to again.