Elderberry

The first 5 startups are in https://github.com/Dhand1027/Elderberry
Startup 6 and 7 are in https://github.com/necarlson97/ElderberryDatabased

HTTP Requests/Routes:

```
export function getMasterFolderData(user, cb) {
  sendXHR('GET', '/user/000000000000000000000004/masterFolder', undefined, (xhr) => {
    // Call the callback with the data.
    cb(JSON.parse(xhr.responseText));
  });
 }

export function postLocatedNote(user, contents, cb) {
  sendXHR('POST', '/contentitem', {
    userId: user,
    location: "",
    contents: contents
  }, (xhr) => {
    // Return the new note update.
    cb(JSON.parse(xhr.responseText));
  });
}

export function updateContentItemText(contentItemId, newContent, cb) {
  sendXHR('PUT', '/contentitem/' + contentItemId + '/content', newContent, (xhr) => {
    cb(JSON.parse(xhr.responseText));
  });
}

export function deleteContentItem(contentItemId, cb) {
  sendXHR('DELETE', '/contentitem/' + contentItemId, undefined, () => {
    cb();
  });
}

export function searchForContentItems(queryText, cb) {
  sendXHR('POST', '/search', queryText, (xhr) => {
    cb(JSON.parse(xhr.responseText));
  });
}
```

Special Server Setup Procedure:
"Npm install" should install everything needed but if for some reason the calendar module doesn't load, run "npm install --save-dev react-big-calendar moment style-loader css-loader".

Individual Contributions:
Nils: Separated the project into Server and Client parts and got it functional. Also got MongoDB working for the whole project and continued to work on maps and added to database. Created video for presentation.
Antonio: Got everything looking better in terms of appearance and worked on getting notes tab to dynamically retrieve database content for user access.
Eric: Got the server functions working. Made ui-fileExplorer and ui-fileEditor dynamic before and after the integration of client server and mongoDB layout.
Dylan: Got calendar working and added error banner and resetDatabase.js to the files.

Lingering Bugs/Issues/Dropped Features: With the short amount of time and the fact that we have less people in our group, we still have not been able to get the entire website fully functional in terms of the button and link functionality. Although, we do have the routes done for what the buttons would do, we have not been able to attach them to the buttons for the buttons to function. For now the only file type we will have are notes which are in text form. We have removed the other types because it requires looping for the folders but if we had more time we would implement other file types and make the buttons functional. Sharing folders idea was also removed because that requires a makes our database and Entity relationships confusing and will require a different approach than what we have now..