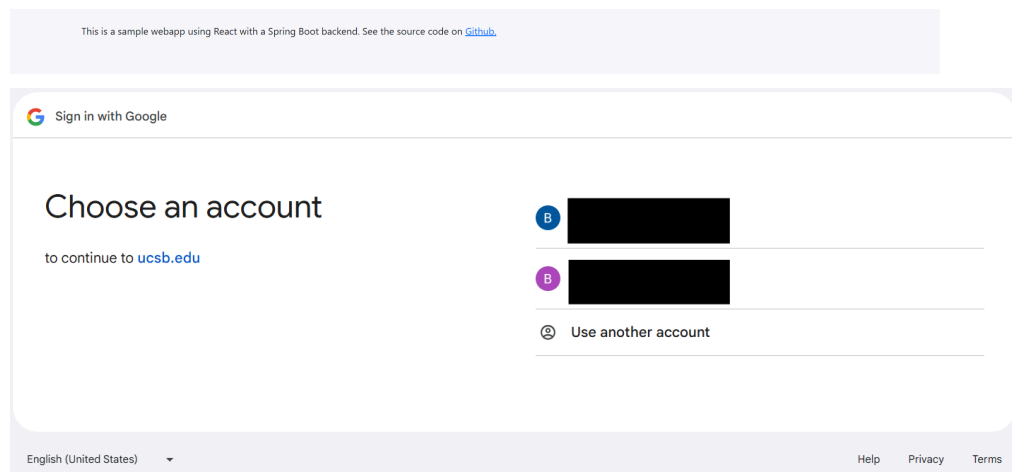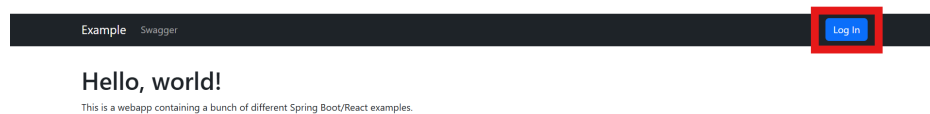# Users:

Introduction of OAuth: Users can now use Open Authorization (OAuth) to log into our application with their Google accounts. Users can now use their google logins to login into our application. If the user's level of authorization is high enough, i..e if they are an admin, they will have access to all of the CRUD operations in our requestTypes table. The admin user can do this through the user interface under the Request Type link, or in the Swagger interface under the swagger link. Additionally, the user will be able to view the page under the Admin link, and will be able to see all of the users that have logged into our application. However, if the user is not an admin, they will only have read access, and will only be able to view the Request Types under the Request Types link; additionally, they can view the Swagger link, however, they won't be able to interact with any of the operations. Additionally, non-admin users will not be able to see the Admin link.

Creation of the RequestType data type: The Request Type data type allows for those viewing recommendation requests to provide additional detail about the nature of the request. Admin users can create, edit and delete request types, while non-admin users can view all request types currently in the data table. This restriction also holds true for the backend access via the Swagger link.

Addition of Index page for the Request Type data type: This page is accessible to all users, and shows the table of all Request Types that have been created by admin users. There is no option for non-admin users to create or delete Request Types. The table has four columns; id, Request Type, edit, and delete. The edit and delete columns are only visible to admin users, and they have an "Edit" and "Delete" button, respectively. The "Edit" button takes you to the Edit page where you can edit a Request Type, while the "Delete" button deletes a Request Type. This button has no warning messages, and the deletion is final once you click the button. For admin users, the page also has a "Create Request Type" button at the top right, which takes you to the Create page.

Example	Swagger Admin ▾ Request Type			Log Out

Request Type
<div align="right">Create Request Type</div>

id	Request Type	Edit	Delete
8	advice	Edit	Delete
11	Grad schools	Edit	Delete

Addition of Create page for the Request Type data type: The Create page is only accessible by admin users through the blue "Create Request Type" button at the top right of the Index page. When entered, the Create page opens to a screen with one text box labeled "Request Type", where users enter the type of request they are making. Once entered, you can click the "Create" button to add your new Request Type to the Index page. If you change your mind, you can click the "Cancel" button and you will be taken back to the Index page.

Example	Swagger Admin ▾ Request Type	Log Out

Create New Request Type

Request Type

[   ]

Create   Cancel

Addition of Edit page for the Request Type data type: This page is only available to admin users, who can access it by clicking the "Edit" button in any row within the Request Type table. Once in the page, you can see the id (without an option to change it) and see the Request Type string, which you can edit. There is an "Update" button that implements your edits to that particular Request Type, and a "cancel" button that takes you back to the Index page without making any changes.

Addition of RequestType operations: The RequestType data type allows admin users to create, edit, and delete RequestTypes. All users can see the results of the get all operation, as they are displayed after clicking the RequestType link in the NavBar. Admin users can also access all methods (including get all and get by id) via the Swagger link. These operations are not available to non-admin users.


Addition of Request Type link in the NavBar: There is now a link in the NavBar that allows users to view details about the RequestType table, with functionality as described in the previous section regarding the addition of the RequestType data type.
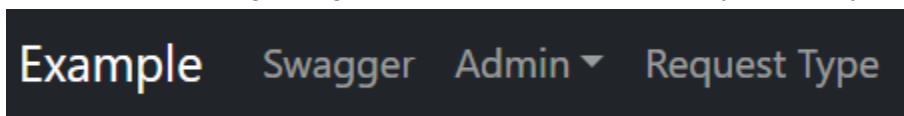
Removal of Irrelevant Data Tables: The app previously allowed users to interact with data types and tables for Restaurant and UCSBDate objects. All features regarding these data types have been removed, and they can no longer be accessed in any way.

Addition of forms and tables for frontend: Forms enable user interaction and data input; tables organize and display structured data in rows and columns, ideal for comparisons, analytics, or inventory.
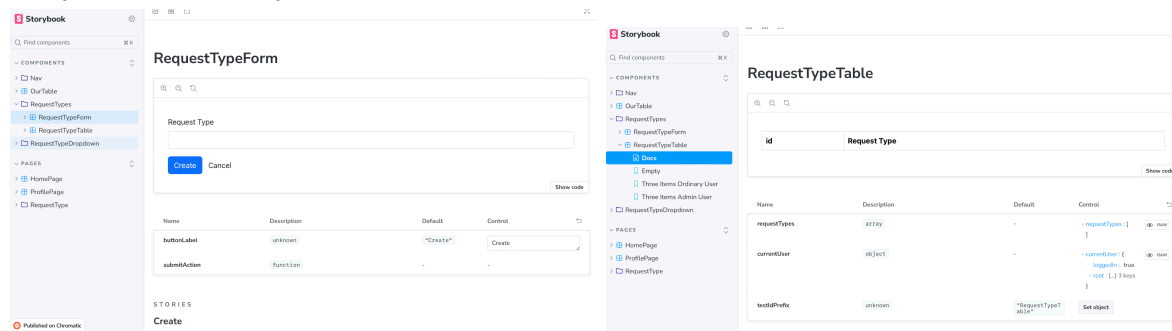
Dev:

Lack of Integration/End 2 End Tests for New Features: Proper integration and end to end tests were not written for the app based on the new functionality. This should be added in later deployments of the application.

Creation of RecommendationRequest data type: The RecommendationRequest data type was created, in the RecommendationRequest.java file, which incorporates the RequestType data type. Additionally, a table was created for this data type, and was developed in the RecommendationRequestRepository.java file. Moreover, this table was added to the database using a migration file, specifically the RecommendationRequests.json file. However, no controller methods were developed for the new table associated with this RecommendationRequest data type.