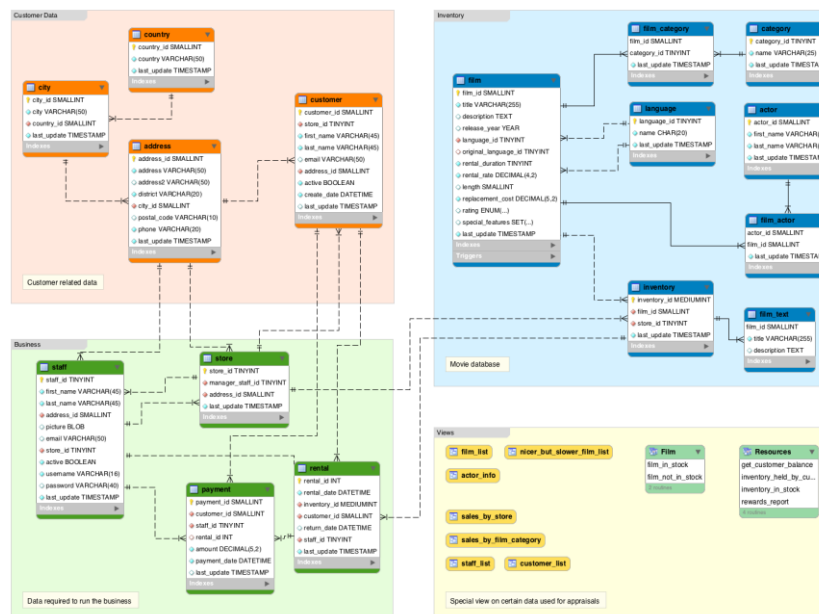


Advanced Assignment for Research & Development Specialist



All database information (data, schema and workbench file) could be found to download:
<https://dev.mysql.com/doc/sakila/en/>

During this assignment you are required to do:

- Build Webpage, Frontend, Backend (ORM if needed)
- Build a Rest API that connect Frontend and Backend
- Connect the backend with the database

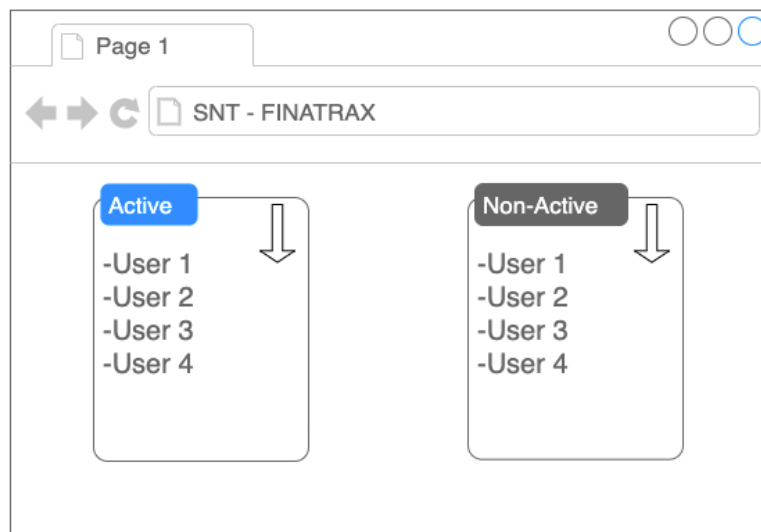
Notes:

- You are allowed to modify the given schema
- You can use the framework and language which you feel more comfortable with for the Development
- The database would be given at the start of the assignment and is publicly available
- You are **NOT obliged** to finish this assignment; we prefer quality than quantity
- We value reasoning

1ST PART: DRAG AND DROP

You should do a page that is able to:

- List all the active and non-active users
- Drag and drop, active and not active users from one table to another
- The tables are located below (there are 2 type of the users):
 - Active Users
 - Not active users
- The tables are sorted by the time the attribute active was changed
- Then the page might be routed on ".../user"



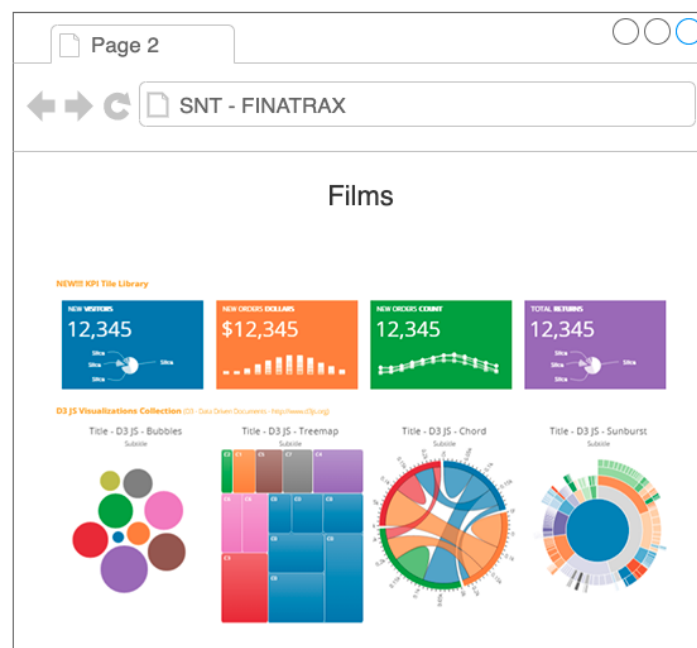
2nd PART: FILMS DASHBOARD

You should do a page that is able to define a dashboard for the class films and display this information, note: the film table has many connections.

Then the dashboard might be routed on ".../charts"

Potential proposals for the charts:

- How much clients paid for renting the films
- Quantity of films by languages
- Quantity of films in every category
- Rating the most solvent user (top 10)



3rd PART: Dockerize/Deploy

You are requested to provide the Github link for the assignment.

Also, you need to dockerize or deploy it somewhere so that we can interact with the code.