

SEARCHCHEM TOOL

Maria Franquesa
Paula Mayo
Raquel Parrondo



2023

▪ ▪ ▪ ▪ ▪
▪ ▪ ▪ ▪ ▪

RECAPITULATION

1

Aim of the project

Initial questions

Which agonists and antagonists have a given biomolecule or target?

Where can I buy them?

2

Our application



Databases

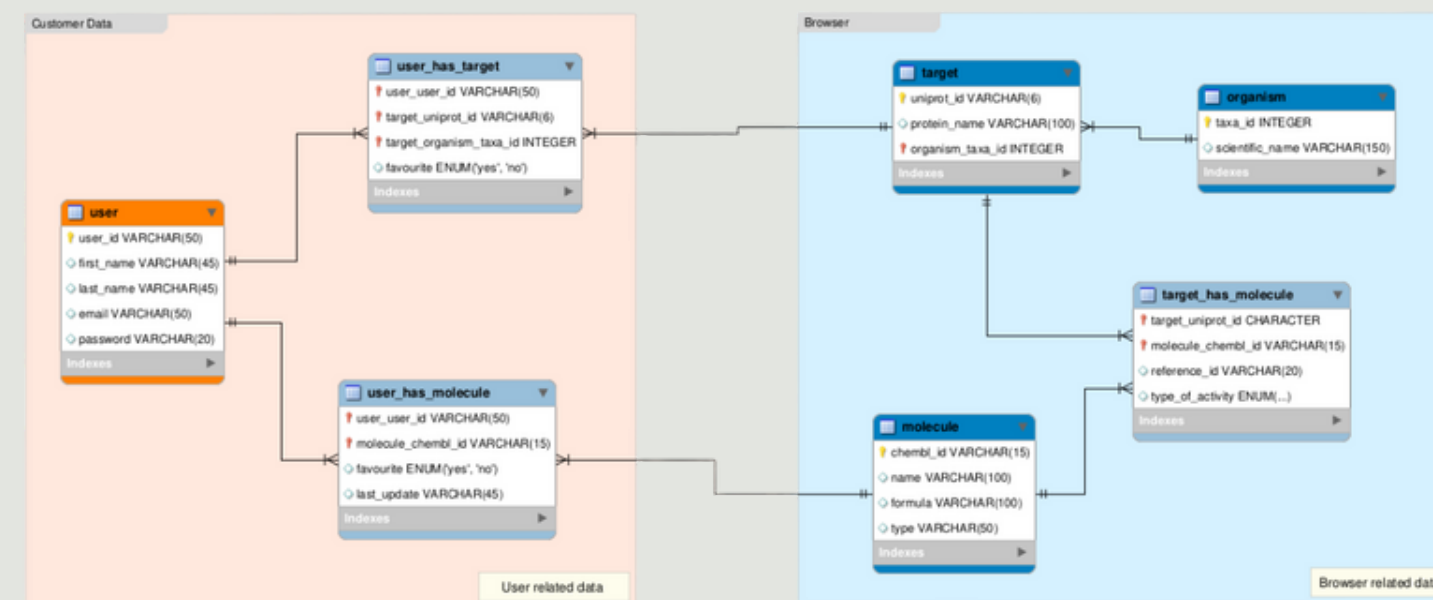
ChEMBL

SWISS-PROT

Taxonomy-NCBI

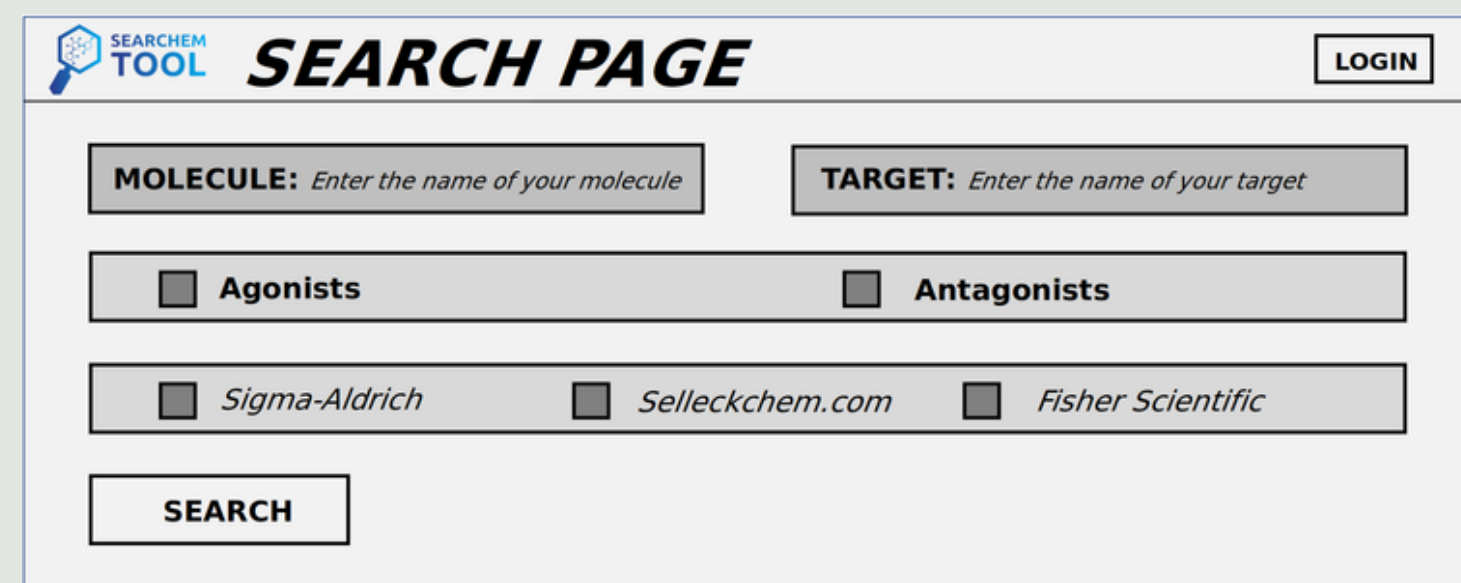
3

Data Model



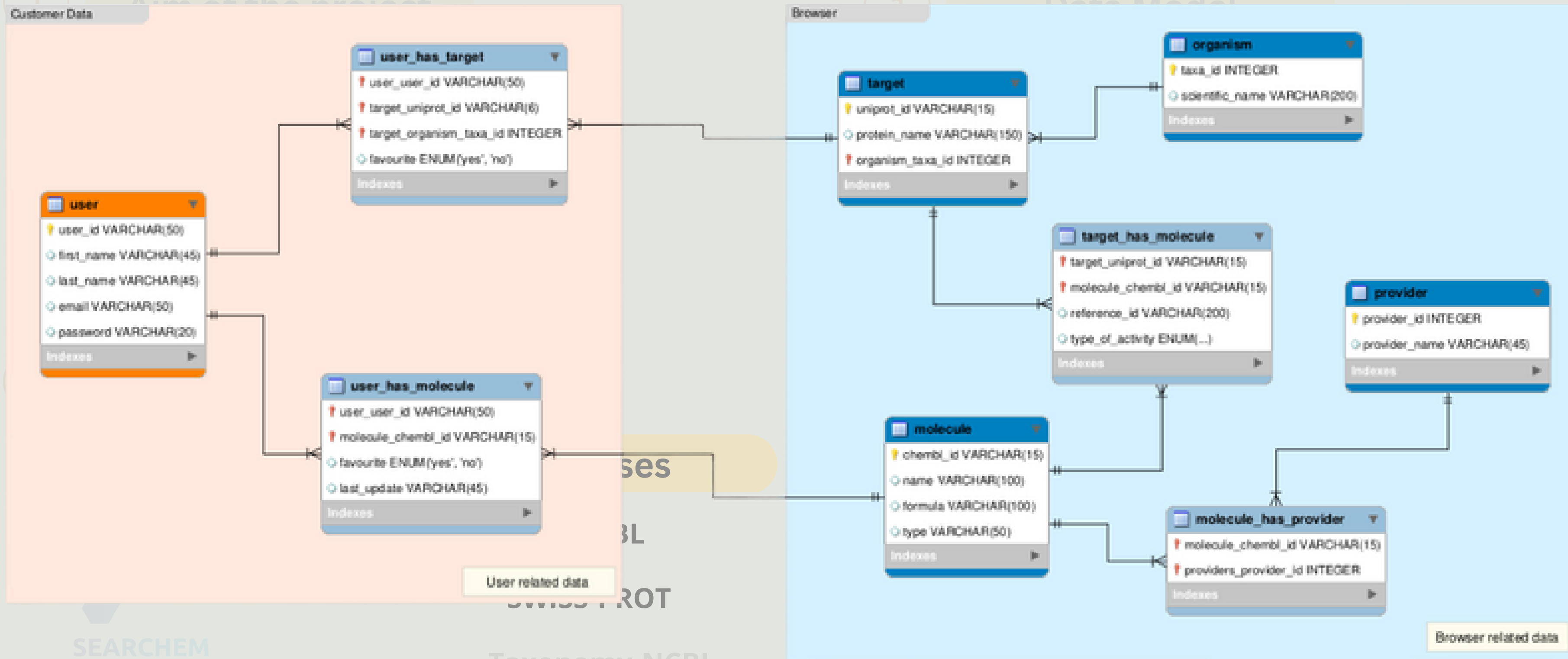
4

Web design



The screenshot shows the 'SEARCH PAGE' of the SEARCHCHEM TOOL. It features a search bar with a 'MOLECULE: Enter the name of your molecule' label and a 'TARGET: Enter the name of your target' label. Below the search bar are three rows of checkboxes for filtering results: 'Agonists' and 'Antagonists' in the first row, and 'Sigma-Aldrich', 'Selleckchem.com', and 'Fisher Scientific' in the second row. A 'SEARCH' button is located at the bottom left, and a 'LOGIN' button is at the top right.

RECAPITULATION





THE CURRENT DATABASE

RECAPITULATION

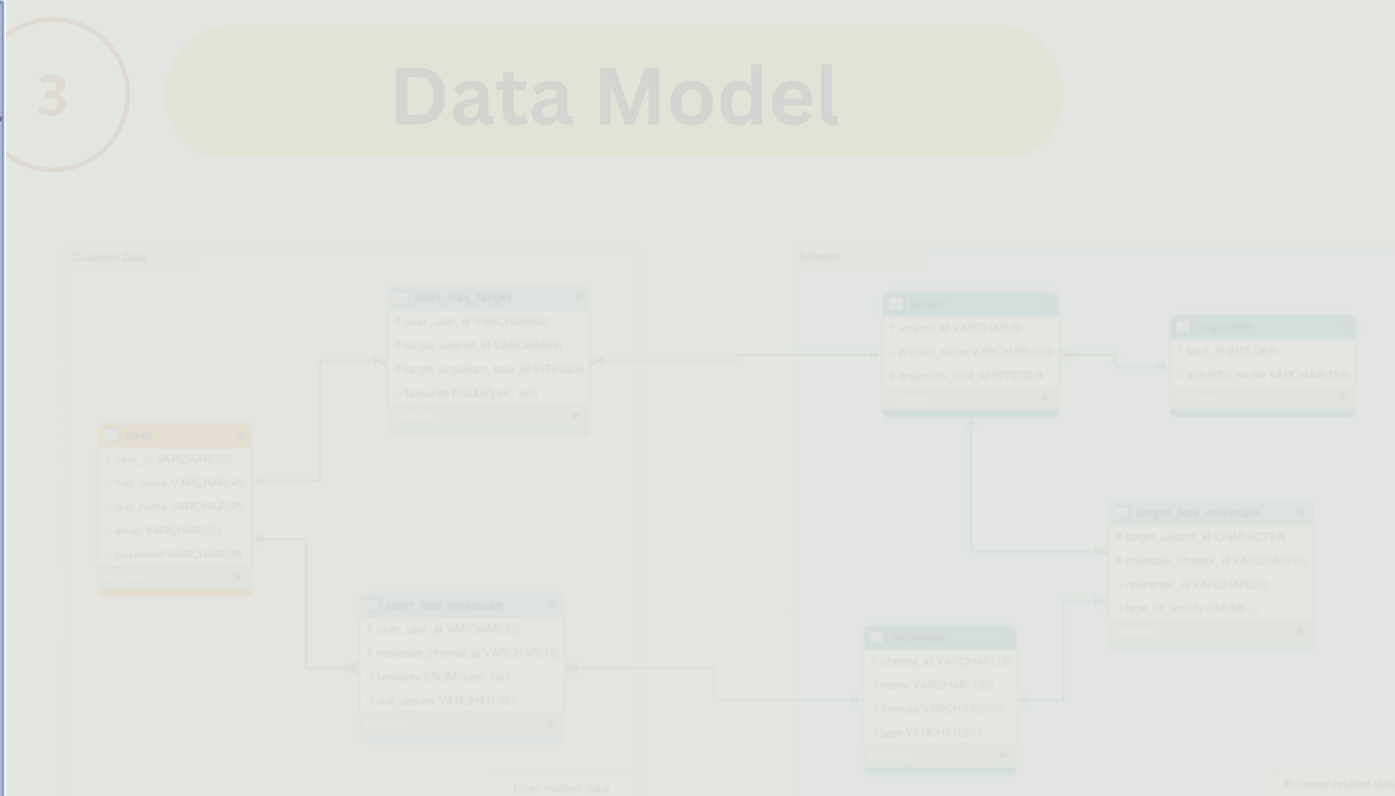
SEARCHCHEM TOOL **SEARCH PAGE** LOGIN

MOLECULE: *Enter the name of your molecule* **TARGET:** *Enter the name of your target*

Agonists **Antagonists**

Sigma-Aldrich *Selleckchem.com* *Fisher Scientific*

SEARCH



2 **Our application**



Database
ChEMBL
SWISS-PRO
Taxonomy-M

SEARCHCHEM TOOL **SEARCH RESULTS** LOGIN

MOLECULE/TARGET

Agonist/Antagonist		
	Search in Sigma-Aldrich	★
	Search in Fisher Scientific	★
	Search in Selleckchem.com	★
Agonist/Antagonist		
	Search in Sigma-Aldrich	★
	Search in Fisher Scientific	★
	Search in Selleckchem.com	★

RECAPITULATION



MY PROFILE

LOGIN

HISTORY OF ENTRIES

<i>Molecule/Target Name</i>	<i>Agonist/Antagonist Name</i>	<i>Company Name</i>	<i>LINK</i>
★			
★			
★			



THE CURRENT WEB PAGE



THANK YOU