

User Action 1 - select firstname, lastname of user with an email of apache.org domain

Query Executed : SELECT firstname, lastname FROM users WHERE email REGEXP '.*@apache.org';

Screen shot Before:

Database Project

UsersProductsOrdersDemographicsCompanies

Queries:

Query 1Query 2

Satyanarayana Gopu & César Jeanroy

Screen shot After:

Database Project

UsersProductsOrdersDemographicsCompanies

Queries:

Query 1Query 2

Firstname	lastname
Henry	Knight

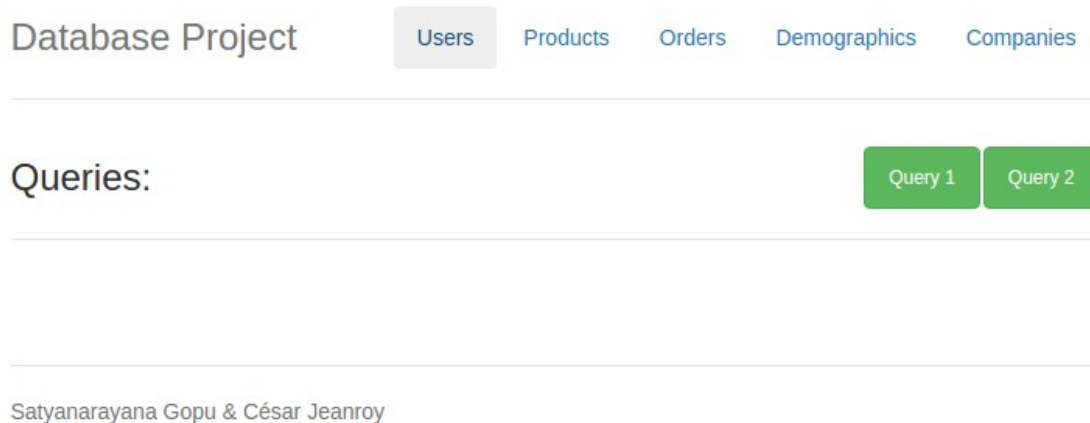
Satyanarayana Gopu & César Jeanroy

Constraints enforced: none

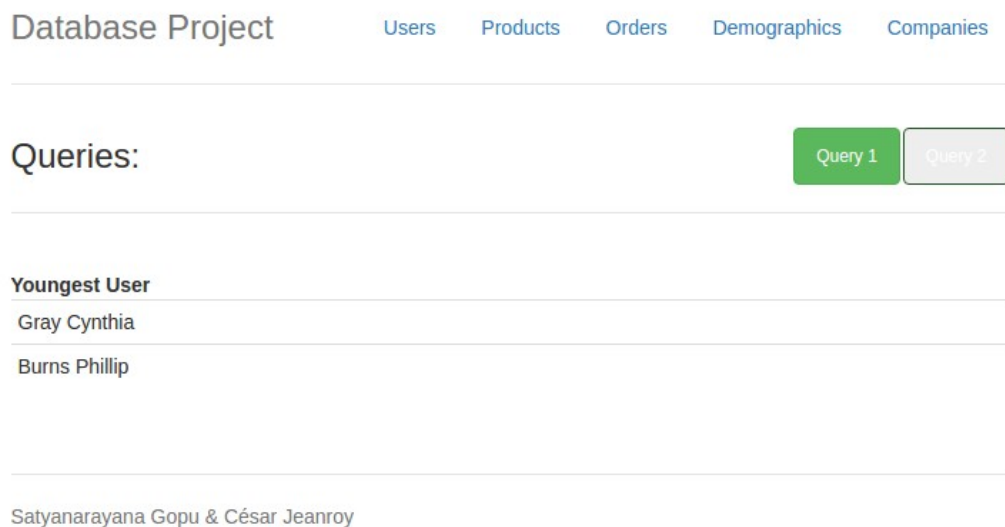
User Action 2 - Find the youngest user

Query Executed : `SELECT CONCAT(lastname, ' ', firstname) AS 'Youngest User' FROM users WHERE date_birth <= ALL(SELECT date_birth FROM users);`

Screen shot Before:



Screen shot After:

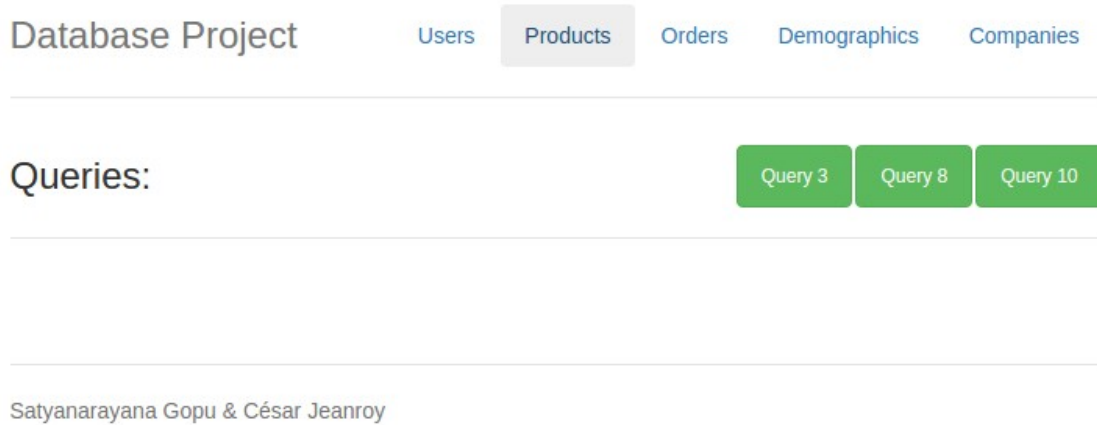


Constraints enforced: none

User Action 3 - select the products linked to a deleted category

Query Executed : SELECT product_id, price FROM products WHERE category_name IN
(SELECT category_name FROM categories WHERE deleted_at IS NOT NULL);

Screen shot Before:



Screen shot After: (* query resulting way too many results to fit in a screen shot)

Database Project Users **Products** Orders Demographics Companies

Queries: Query 3 Query 8 Query 10

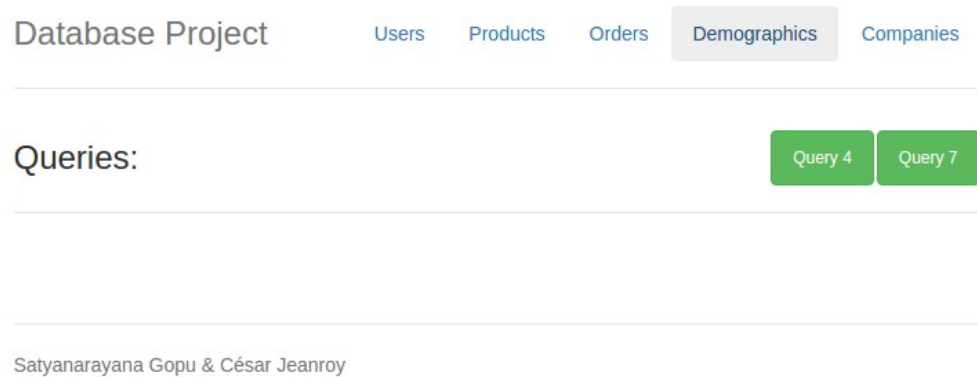
Product id	Price
1	307693.30
2	710715.49
3	244823.01
4	728637.51
5	875082.87
6	757102.04
7	930819.41
8	695127.01
9	440873.48
11	544088.59
12	10473 72

Constraints enforced: none

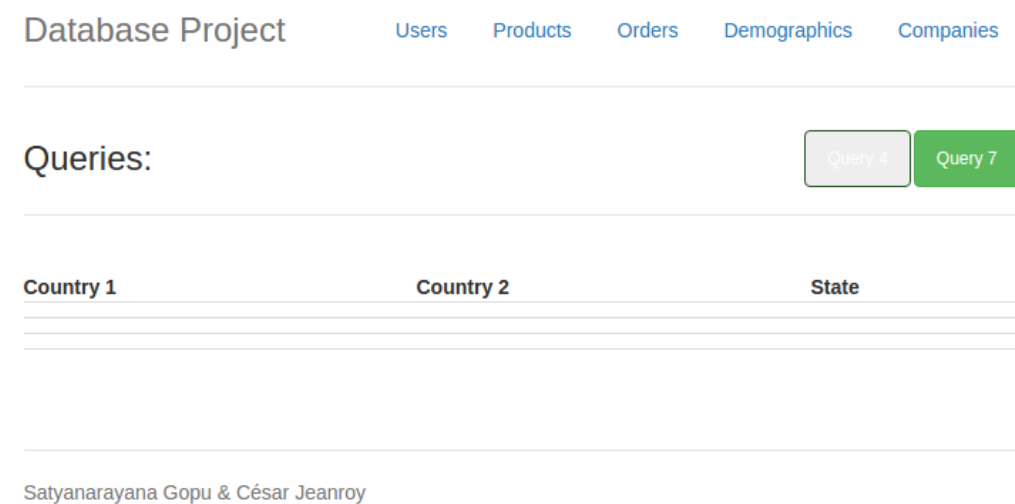
User Action 4 - Find the countries that have at least one city name in common.

Query Executed : SELECT A.country, B.country, A.state FROM demographics A, demographics B WHERE A.country != B.country AND A.city = B.city;

Screen shot Before:



Screen shot After:

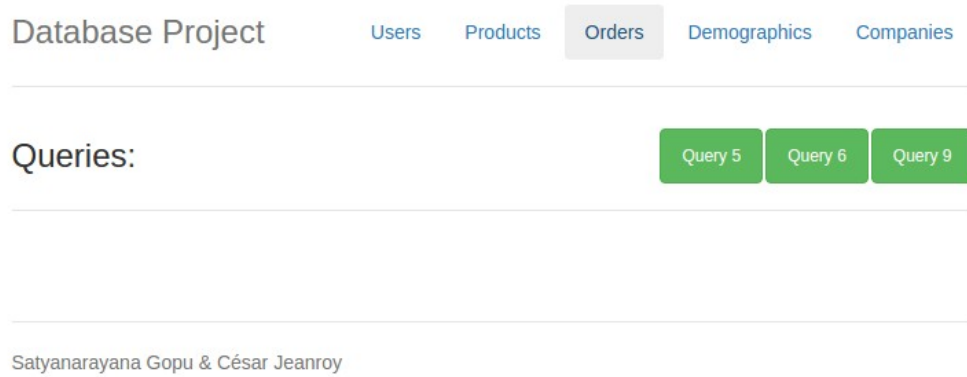


Constraints enforced: none

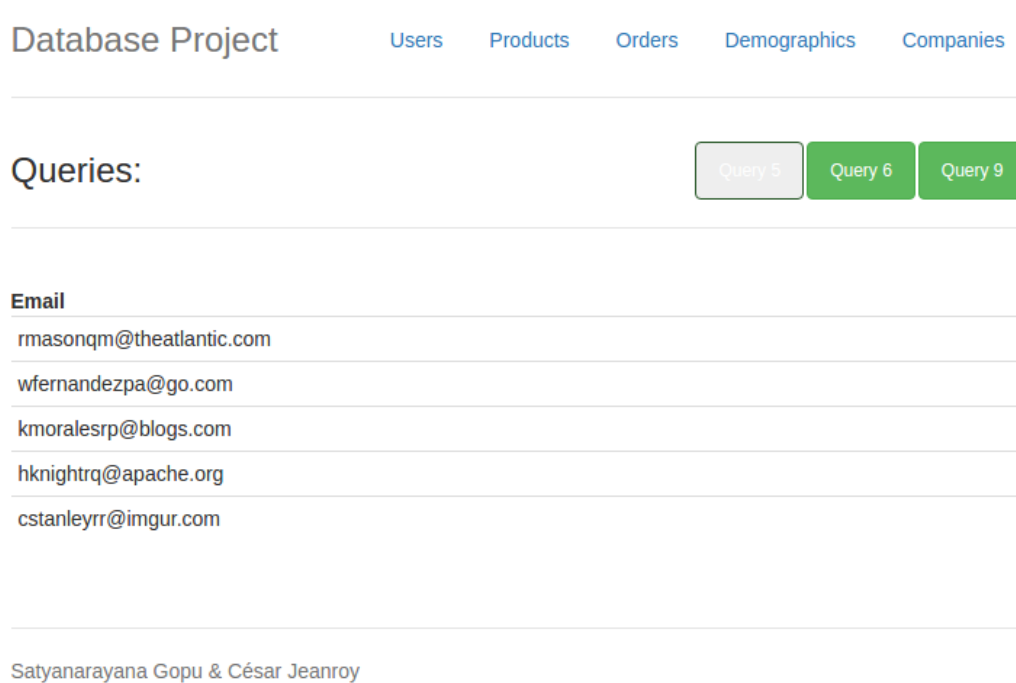
User Action 5 - select the email of users who have submitted an order with one item and a three day delivery.

Query Executed : SELECT DISTINCT o.email FROM orders o NATURAL JOIN items i NATURAL JOIN deliveries d WHERE d.type = '3 days' AND i.quantity = 1;

Screen shot Before:



Screen shot After:

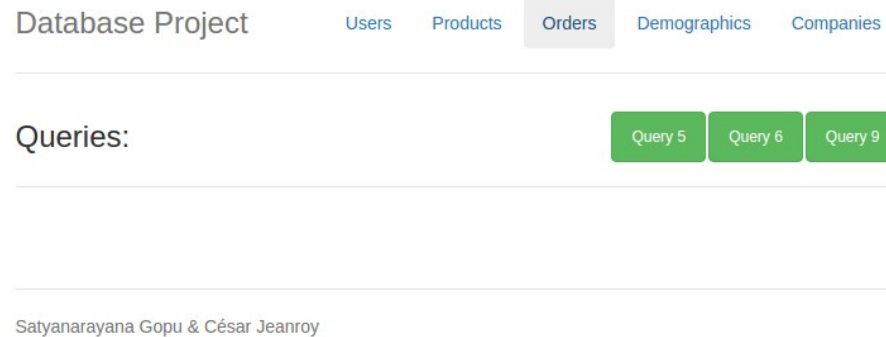


Constraints enforced: none

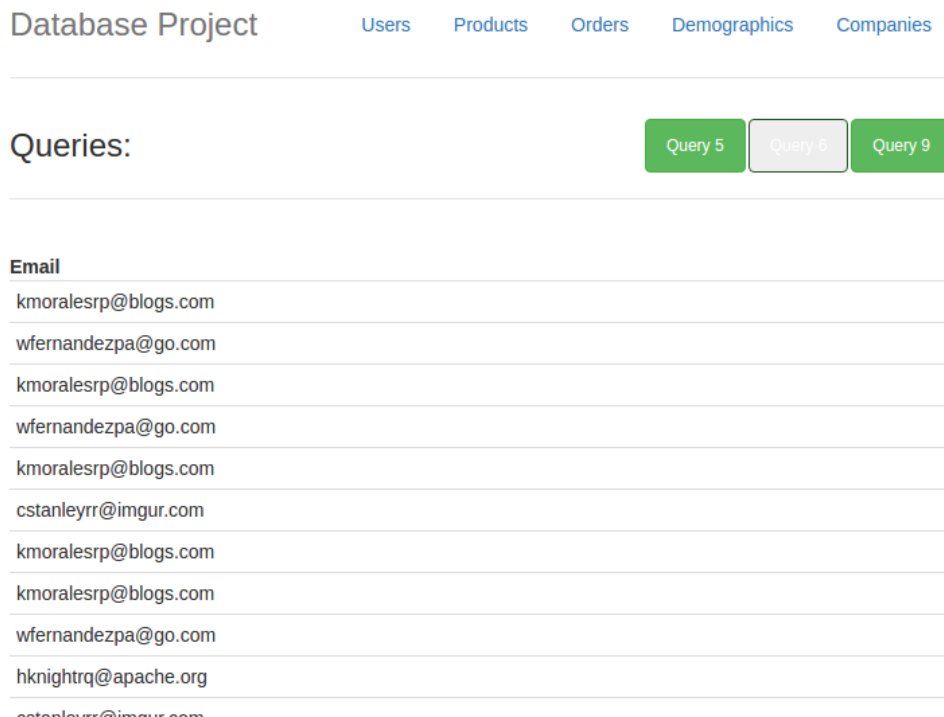
User Action 6 - Find the user(s) who bought the most expensive product

Query Executed : SELECT email FROM orders NATURAL JOIN items NATURAL JOIN products WHERE price >= ALL(SELECT price FROM products NATURAL JOIN items NATURAL JOIN orders);

Screen shot Before:



Screen shot After: (* query resulting way too many results to fit in a screen shot)

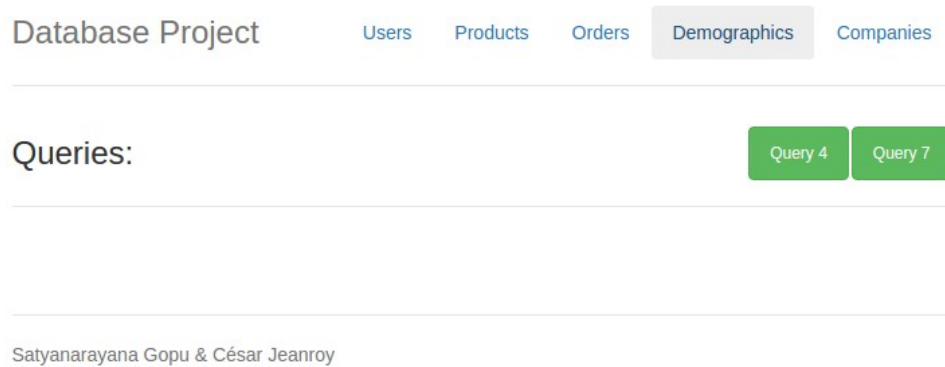


Constraints enforced: none

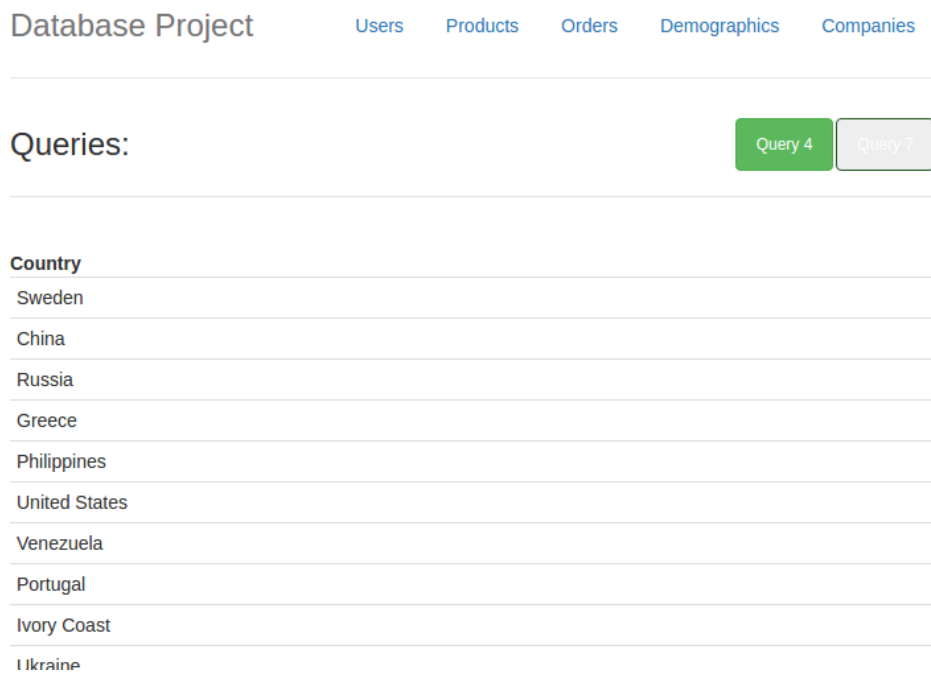
User Action 7 - select all the countries listed in the database.

Query Executed : SELECT country AS 'countries listed' FROM ((SELECT country FROM companies) UNION (SELECT country FROM demographics) UNION (SELECT country FROM addresses)) A;

Screen shot Before:



Screen shot After:

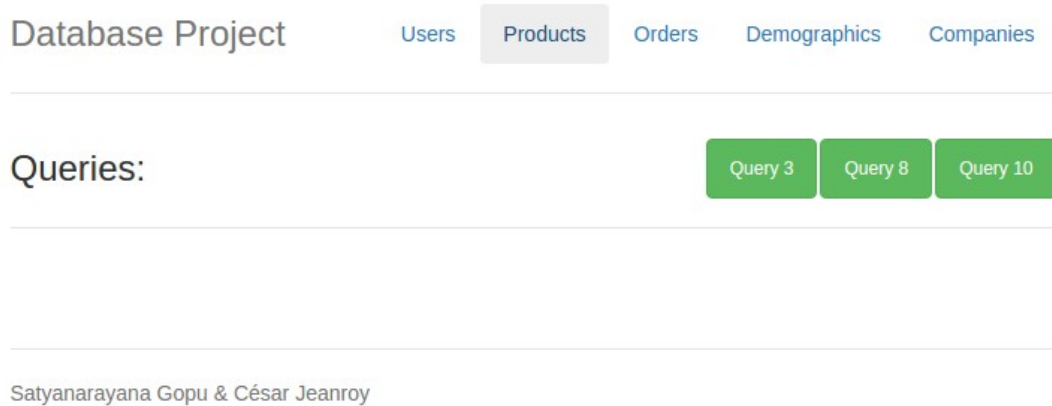


Constraints enforced: none

User Action 8 – Display each category with the number of products in it sorted on the number of products

Query Executed : SELECT category_name, count(category_name) FROM products GROUP BY category_name ORDER BY count(category_name) DESC;

Screen shot Before:



Screen shot After:

Database Project

Users Products Orders Demographics Companies

Queries: Query 3 Query 8 Query 10

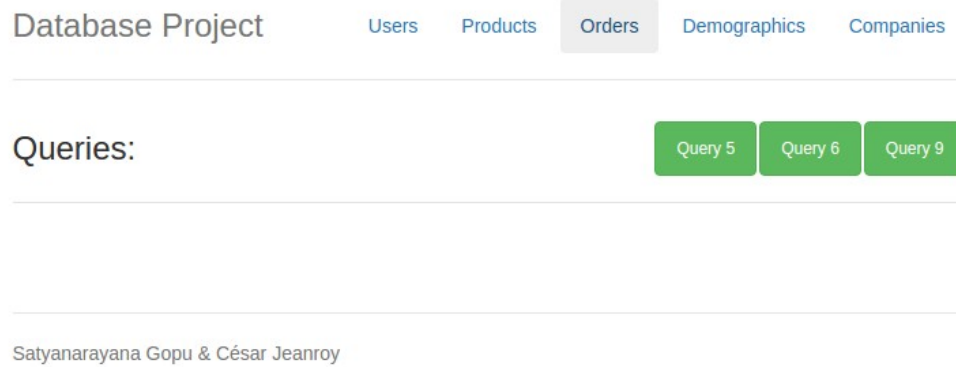
Category name	Count
Jewelery	115
Movies	115
Shoes	114
Industrial	113
Games	111
Tools	109
Sports	104
Home	100
	0

Constraints enforced: none

User Action 9 - select orders sorted on quantity of their items.

Query Executed : SELECT order_id, status, email, quantity FROM orders NATURAL JOIN items ORDER BY items.quantity DESC LIMIT 1000;

Screen shot Before:



Screen shot After: (* query resulting way too many results to fit in a screen shot)

Database Project Users Products Orders Demographics Companies

Queries: Query 5 Query 6 Query 9

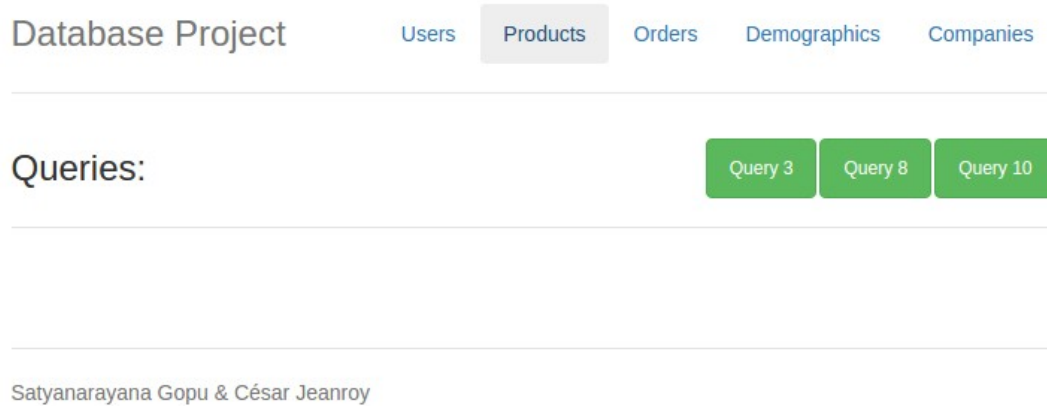
Order id	Status	Email	Quantity
999	in process	rmasonqm@theatlantic.com	1
1998	in process	wfernandezpa@go.com	1
2997	in process	kmoralesrp@blogs.com	1
3996	in process	hknightrq@apache.org	1
4995	in process	kmoralesrp@blogs.com	1
5994	in process	rmasonqm@theatlantic.com	1
6993	in process	kmoralesrp@blogs.com	1
7992	in process	kmoralesrp@blogs.com	1
8991	in process	kmoralesrp@blogs.com	1
9990	in process	wfernandezpa@go.com	1
10989	in process	rmasonqm@theatlantic.com	1
11988	in process	rmasonqm@theatlantic.com	1

Constraints enforced: none

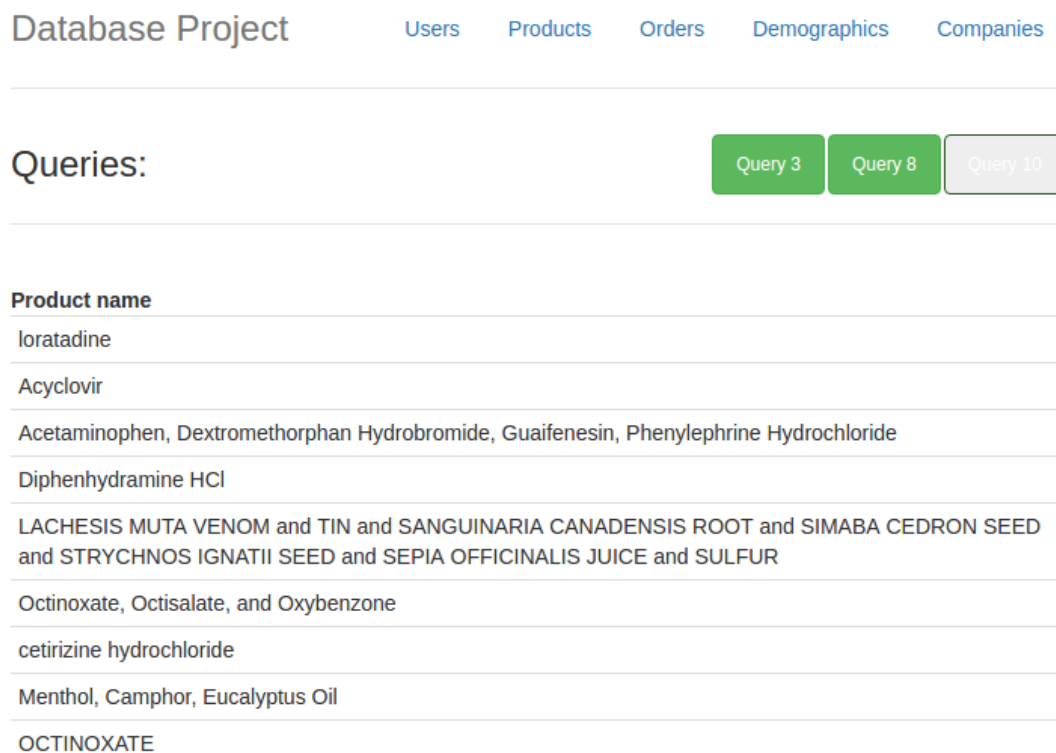
User Action 10 - Return the list of products that have never been bought

Query Executed : SELECT DISTINCT name FROM products where product_id NOT IN (SELECT DISTINCT product_id FROM items);

Screen shot Before:



Screen shot After: (* query resulting way too many results to fit in a screen shot)



Constraints enforced: none

Constraints enforced: none

User Action 12 - Insert into companies

Query Executed : Insert into

companies(company_name,hq_address,date_creation,country) VALUES();

Screen shot Before:

Database Project Users Products Orders Demographics Companies

Company Form

Name

Address

Company creation date

Country

Queries:

Id	Company name	Address	Date Creation	Country	Edit	Delete
1002	Youfeed	81 Division Avenue	1969-04-01	USA	Edit	Delete
1000	Riffwire	5 Rusk Circle	2015-10-10	Czech Republic	Edit	Delete
999	Youfeed	81 Division Avenue	1969-04-01	China	Edit	Delete

Screen shot After:

Database Project Users Products Orders Demographics Companies

Company Form

www.cs.unm.edu says:
Company added!

Name

Address

Company creation date

Country

Queries:

Id	Company name	Address	Date Creation	Country	Edit	Delete
1002	Youfeed	81 Division Avenue	1969-04-01	USA	Edit	Delete
1000	Riffwire	5 Rusk Circle	2015-10-10	Czech Republic	Edit	Delete
999	Youfeed	81 Division Avenue	1969-04-01	China	Edit	Delete

Constraints enforced: no null values are accepted, and date should be properly formatted and after 1990.

User Action 13 - delete from companies

Query Executed : Delete from companies where id = x;

Screen shot Before:

Database Project

UsersProductsOrdersDemographicsCompanies

Company Form

Name

company name

Address

Company creation date

ex: 1998-05-12

Country

USA

Save

Cancel

Queries:

Query 11

Id	Company name	Address	Date Creation	Country	Edit	Delete
1006	New company	Unm CS	2017-05-10	USA	<a>Edit	<a>Delete
1002	Youfeed	81 Division Avenue	1969-04-01	USA	<a>Edit	<a>Delete
1000	Riffwire	5 Rusk Circle	2015-10-10	Czech Republic	<a>Edit	<a>Delete

Screen shot After:

Database Project

UsersProductsOrdersDemographicsCompanies

Company Form

Name

company name

Address

Company creation date

ex: 1998-05-12

Country

USA

Save

Cancel

Queries:

Query 11

Id	Company name	Address	Date Creation	Country	Edit	Delete
1002	Youfeed	81 Division Avenue	1969-04-01	USA	<a>Edit	<a>Delete
1000	Riffwire	5 Rusk Circle	2015-10-10	Czech Republic	<a>Edit	<a>Delete
999	Youfeed	81 Division Avenue	1969-04-01	China	<a>Edit	<a>Delete

Constraints enforced: none