

Donkeylift

A Relational DBMS with the data owner in mind.

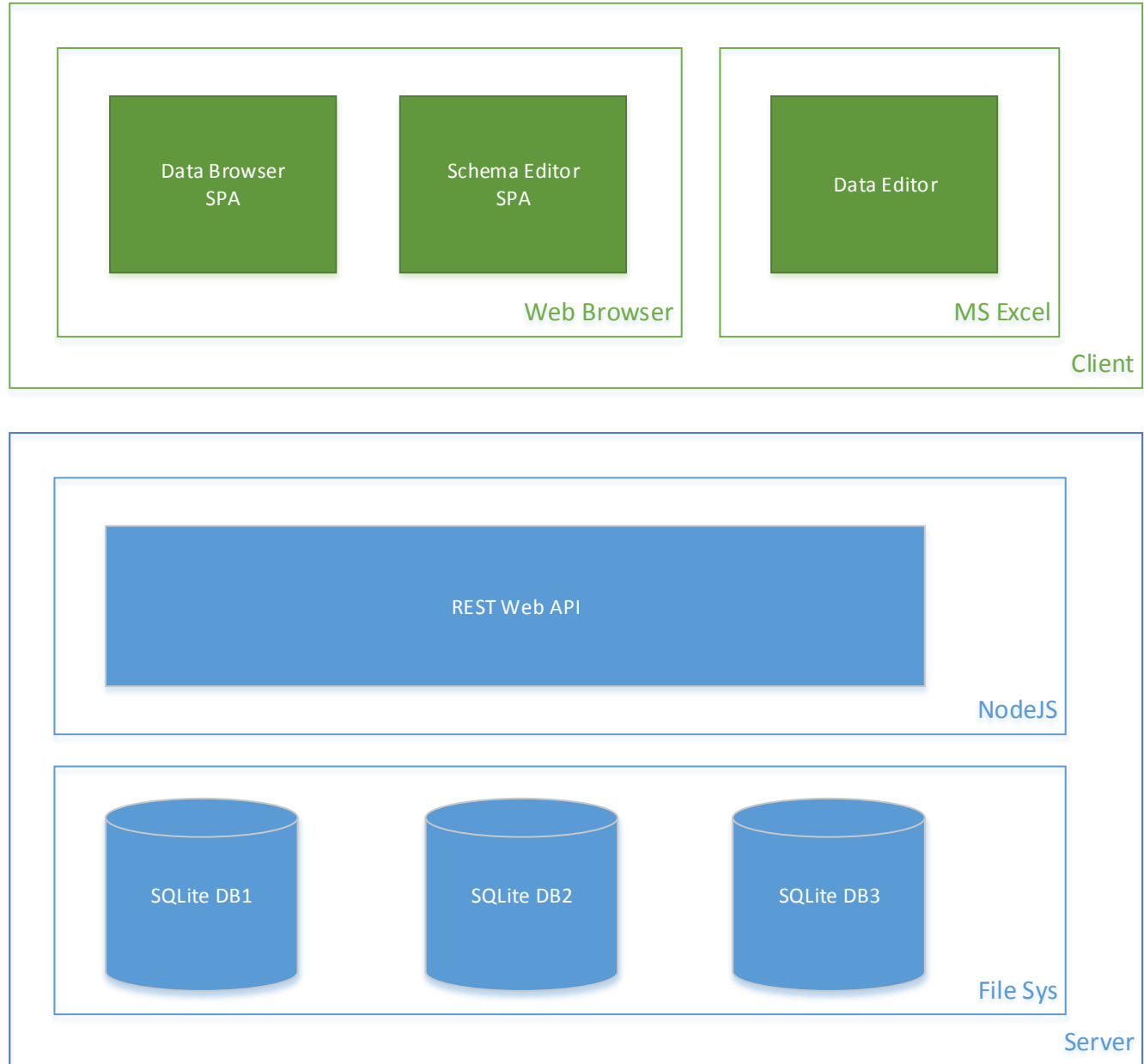
Objectives

- Provide a user-friendly, feature-rich RDBMS.
- Reduce implementation times of new databases.
- Provide a platform for application developers.
- Leverage the relational data model.
- Share data management with content administrators.
- Improve overall data integrity, quality and transparency.

Scope

1. Schema Editor - web app.
2. Data Browser - web app.
3. Data Editor - Excel plugin.
4. Data Access Layer – web service.
5. Data storage –relational database (sqlite).

Architecture



Data Browser

Leverage, don't suffer the relational data model

Data Browser –Navigation

The screenshot displays a web-based Data Browser interface. At the top, a navigation bar includes a 'Toggle' menu icon (labeled 2), a database selector 'DB sales_sandwich' (labeled 1), and tabs for 'Data' and 'Schema'. On the right of the top bar are links for 'Downloads', 'Demo', and 'DL'. A left sidebar (labeled 2) lists available tables: 'customers' (highlighted), 'products', 'orders', and 'products_in_orders'. The main area (labeled 3) features a 'Filters' and 'Reset All' section, a 'Show 10 entries' dropdown, and a search bar. Below this is a table with columns: 'id', 'name', 'email', 'modified_by', and 'modified_on'. The table contains 10 rows of customer data. At the bottom, it shows 'Showing 1 to 10 of 102 entries' and a pagination control with 'Previous', '1' (active), '2', '3', '4', '5', '...', '11', and 'Next'.

id	name	email	modified_by	modified_on
1	Colt Hart	eu.nibh.vulputate@semeget.net	user12	2014-12-14 02:14:42
2	Theodore Mills	ligula.Donec.luctus@Vivamusnon.org	www	2015-05-06 16:31:48
3	Rhoda Vance	diam.dictum@rutrumjustoPraesent.ca	user12	2015-08-02 12:17:28
4	Colby Clay	pharetra@porttitorinterdumSed.ca	user12	2015-01-24 05:10:37
5	Maile Torres	Sed.pharetra@nectempus.edu	user12	2015-09-13 08:22:49
6	Hanna Simpson	eu@idrisus.com	admin	2014-12-11 19:45:43
7	Adrian Dodson	Fusce@magnaPraesentinterdum.net	user12	2015-04-13 15:44:45
8	Shelly Bridges	non.justo@dictum.ca	www	2015-01-10 18:37:15
9	Yoshi Bennett	mauris@Crasconvallis.com	user12	2015-06-20 16:36:22
10	Blossom Mosley	consectetuer.ipsum.nunc@egestasblandit...	user12	2015-03-25 03:20:56

Data Browser –Full text search

Toggle

DB sales_sandwich

Data

Schema

Downloads

Demo

DL

Tables

customers

products

orders

products_in_orders

Filters

Reset All

Show

10

entries

Search:

egg

id	name	price	origin	description	modified_by	modified_on
1002	Bacon, egg and cheese	8.99	United States	A breakfast sandwich, usually with fri...		
1004	Bánh mì	4.99	Vietnam	Filling is typically meat, but can con...		
1013	Breakfast roll	8.99	United Kingdom and Ireland	A convenience dish on a variety of bre...		
1014	Breakfast	9.99	United States	Typically a scrambled or fried egg, ch...		
1019	Cemita	4.99	Mexico	Sliced avocado, meat, white cheese, on...		
1031	Chivito	8.99	Uruguay	Filet mignon with mozzarella, tomatoes...		
1039	Croque-madame	7.99	France	Same as a croque-monsieur, but with a ...		
1052	Egg	9.99	Worldwide	Generic sandwich: This contains eggs, ...		
1071	Ham and egg bun	4.99	Hong Kong	Sliced Danish canned ham with sliced s...		

Data Browser – Filter by Range

Toggle DB sales_sandwich ▾ Data Schema

Tables

- customers
- products
- orders**
- products_in_orders

Filters Reset All

Show 10 ▾ entries

id	order_date	customers_ref	total_amount
551	2		69.91
330	2		90.89
261	2		49.94
627	2		44.94
262	2		22.97
579	2015-03-31	Quisque.co.uk...	41.94
339	2015-04-16	r.ipsum.nunc...	41.94
556	2015-05-29	uisqueornar...	25.96
667	2015-06-26	@nequeNullam...	45.95

Range [Select](#)

From 2015-01-01 To 2015-11-01

January 2015 [Reset](#)

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Data Browser – Filter by Item Selection

The screenshot shows a web application interface for a database named 'DB sales_sandwich'. The interface has a top navigation bar with 'Toggle', 'DB sales_sandwich', and tabs for 'Data' and 'Schema'. On the left, a 'Tables' sidebar lists 'customers', 'products' (highlighted), 'orders', and 'products_in_orders'. The main area displays a table of products with columns: id, name, price, origin, and description. A modal window is open over the 'name' column, showing a search filter. The modal has two tabs: 'Range' and 'Select'. The 'Search' input contains the letter 'e'. The 'Selected' list contains 'Bacon, egg and cheese' and 'Elvis sandwich'. The 'Search' list shows 'Bacon, egg and cheese', 'Egg', 'Elvis sandwich' (highlighted), and 'Ham and egg bun'. A 'Reset' button is at the bottom right of the modal.

Toggle DB sales_sandwich Data Schema

Tables

- customers
- products**
- orders
- products_in_orders

Filters Reset All

Show 10 entries

id	name	price	origin	description
1002	Bacon, egg and cheese			st sandwich, usually with fri...
1051	Egg			utter, banana, and bacon

Showing 1 to 2 of 2 entries

Range Select

Search e

Selected

- Bacon, egg and cheese
- Elvis sandwich

Bacon, egg and cheese

Egg

Elvis sandwich

Ham and egg bun

Reset

Data Browser – Filter Composition

The screenshot shows a web application interface for a database named 'DB sales_sandwich'. The main view is a table of products, with columns for 'id', 'name', 'price', 'origin', and 'description'. The table is filtered to show 10 entries (1 to 10 of 26 entries, filtered from 174 total entries). The 'id' column is sorted in ascending order. The 'price' column is filtered to show values between 7.99 and 9.99. The 'origin' column is filtered to show 'United States'. The 'description' column is filtered to show entries that are not 'Chickpea salad'.

An 'Active Filters' dialog box is open, showing the current filters and the resulting Data URL. The dialog has a close button (X) in the top right corner. The filters are listed in a table:

Table	Field	Action	Value
orders	order_date	between	2015-01-01 and 2015-11-30
products	origin	in	United States
products	price	between	7.99 and 9.99

Below the filters, the 'Data URL:' is displayed as:

```
http://api.donkeylift.com/demo/sales_sandwich/products.rows?$filter=orders.order_da
```

The dialog box has a 'Close' button at the bottom right.

The background interface includes a sidebar with 'Tables' (customers, products, orders, products_in_orders), a search bar, and a table of products. The table has columns for 'id', 'name', 'price', 'origin', and 'description'. The 'id' column is sorted in ascending order. The 'price' column is filtered to show values between 7.99 and 9.99. The 'origin' column is filtered to show 'United States'. The 'description' column is filtered to show entries that are not 'Chickpea salad'. The table shows 10 entries (1 to 10 of 26 entries, filtered from 174 total entries). The 'id' column is sorted in ascending order. The 'price' column is filtered to show values between 7.99 and 9.99. The 'origin' column is filtered to show 'United States'. The 'description' column is filtered to show entries that are not 'Chickpea salad'.