

Donkeylift

A Relational DBMS with the data owner in mind.

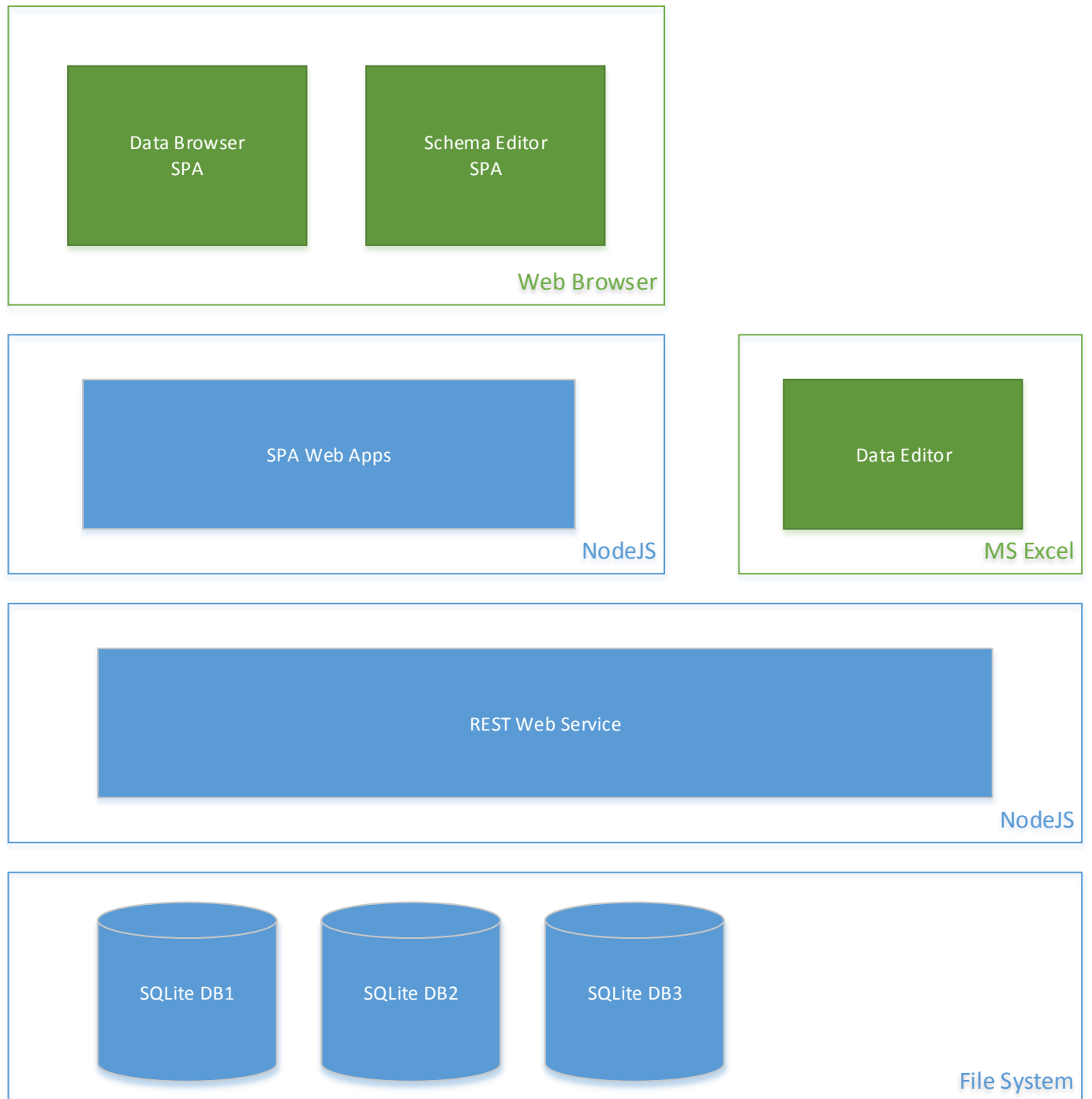
Objectives

- 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 these 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

Reset

January 2015

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 displays a web-based Data Browser interface for a database named 'DB sales_sandwich'. The interface includes a sidebar with a 'Tables' list containing 'customers', 'products' (highlighted), 'orders', and 'products_in_orders'. The main area shows a table with columns: id, name, price, origin, and description. A modal window is open over the table, allowing for filtering items. The modal has tabs for 'Range' and 'Select', with 'Select' currently active. It features a search input with the letter 'e', a list of search results, and a 'Selected' list. The search results include 'Bacon, egg and cheese', 'Egg', 'Elvis sandwich' (highlighted), and 'Ham and egg bun'. The 'Selected' list contains 'Bacon, egg and cheese' and 'Elvis sandwich'. A 'Reset' button is located 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	B			st sandwich, usually with fri...
1051	E			utter, banana, and bacon

Showing 1 to 2

Range **Select**

Search e

Selected

- Bacon, egg and cheese
- Elvis sandwich

Reset

Data Browser – Filter Composition

The screenshot shows a web application interface for a database named 'DB sales_sandwich'. The main view displays a table of products with columns: id, name, price, origin, and description. The table is filtered to show 10 entries out of 26 total entries (filtered from 174 total entries). The filters are: orders.order_date between 2015-01-01 and 2015-11-30, products.origin in United States, and products.price between 7.99 and 9.99. A modal window titled 'Active Filters' is open, showing the active filters and the Data URL: http://api.donkeylift.com/demo/sales_sandwich/products.rows?\$filter=orders.order_date between 2015-01-01 and 2015-11-30&products.origin in United States&products.price between 7.99 and 9.99. The modal also has a 'Close' button.

Active Filters

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

Data URL:

http://api.donkeylift.com/demo/sales_sandwich/products.rows?\$filter=orders.order_date between 2015-01-01 and 2015-11-30&products.origin in United States&products.price between 7.99 and 9.99

Close

Showing 1 to 10 of 26 entries (filtered from 174 total entries)

Previous 1 2 3 Next