PouchDB Seminars

The following is a list of PouchDB seminars that can be presented at your user group or other live event by **Paul D. Sheriff**.

Essentials of PouchDB

Everything you need to know about PouchDB in one easy module. A short introduction to PouchDB, then several examples of opening/creating a database. You learn to add, edit and delete data using promises. Instead of looping over a set of data retrieved from the server to insert into a local database, PouchDB allows you to perform bulk operations. You can insert, update and delete multiple records and retrieve multiple documents. Create several documents, then read all those documents back from the database.

Learning Objectives

Add appropriate JavaScript files for PouchDB

Open and create a database

Add, update, delete documents

Using bulkDocs() to insert, update and delete documents

Using allDocs() to count documents

Using allDocs() to query a range of documents

Using allDocs() to query by partial keys

Performing Queries in PouchDB

In almost all applications, your users will want to search data based on some criteria. There are several methods you may use to perform these queries. In

this module you learn to use Mango queries using the find() plug-in. You optimize the searching by creating an index. To help speed up your queries, you can use the map() function. This module shows you how to use map() with temporary views, and persistent views stored in a design document. Another common task that many applications need, is to retrieve the count of records in a query, get the total cost of invoice items, get an average, or calculate the minimum and maximum values. PouchDB provides these features with three built-in reduce functions; _sum, _count and _stats.

Learning Objectives

Create Indexes

Find and search for data

Using the query() method to create temporary indexes

Using design documents

Gather statistics such as count, sum, min, max and average