

hybrid

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sencha

(part 2)

Data

SenchaTouch handles data storage using following types of objects:

- > **Data Store object** - used to store raw data and is equivalent to DB Table but without column names and types.

- > **Data Model object** - used to define/describe Data Store like names and types of the fields/columns.

- > **Data Proxy object** - used to define from where and how to take data which will be stored in Data Store.

Data Store

: object which holds data.

: in most simple form it looks like table with columns/fields and rows/records.

: Such separation of data and presentation is crucial component of MVC Design Pattern.

different classes in Sencha Touch which can be used as Data Stores,

> **ArrayStore** - helper class to make creating Ext.data.Store easier by,

: using array instead of hash for entering new records.

Store

: used for storing data which will be used to populate components like list or table.

: behaves like table where fields define column names while data[] hash defines rows/records.

: When entering new data in data[] you have to give key-value pairs which define to which column/field value belongs.

: We can load store by Inline Data, Data from files, Data from php.

Data Mode

: used to define/describe Data Store

> by defining only names of the columns or

> by defining both names and data types of the columns.

: It can be implicitly created if you define column names through fields array inside Data Store.

: Data Model is important since it gives names to Data Store columns.

Sencha Cmd commands

> Generating Your Application:

`sencha generate app MyApp /path/to/MyApp }` to generate an application skeleton.

> Building Your Application:

`sencha app build }` This command builds your markup page, JavaScript code, Sass and themes into the "build" folder.

> Sencha Cmd Web Server:

`sencha web start }` Use this command to start the web server:

`sencha web stop }` Use this command to stop the web server:

`http://localhost:1841 }` To access the Sencha Cmd web server:

> Upgrading Your Application:

`sencha app upgrade [path-to-new-framework]`

for details } https://docs.sencha.com/cmd/5.x/extjs/cmd_app.html
