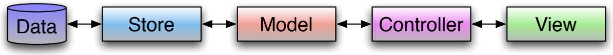
qooxdoo Data Binding CheatSheet

Data Binding Concept

- **stores** for fetching data
- **models** will be created automatically
- **controllers** for syncing the data to the view
- **single value binding** as a fundamental layer



Single Value Binding

Chaining Examples:

- "propA"
- "propA.propB"
- "arrayA[0]"
- "arrayA[last].probB"

API:

bind(sourceProp, target, targetProp, options)
removeBinding(id)
removeAllBindings()

Options Map:

converter(data, model)
onUpdate()
onSetFail()

Data Array

API:

setItem(index, item)
getItem(index)

Events:

changeLength
change

- Data event containing a map

  start: start index
  end: end index
  type: ["add" || "remove" || "order"]

Controller

Delegate:

configureItem(item)
createItem()
filter(data)
bindItem(controller, item, id)

Object Controller:

construct(model)
addTarget(targetObject, targetProperty, sourceProperty, bidirectional, options, reverseOptions)

List Controller:

construct(model, target, labelPath)
bindDefaultProperties(item, index)
bindProperty(sourcePath, targetProperty, options, targetWidget, index)
getSelection()

Tree Controller:

construct(model, target, childPath, labelPath)
bindProperty(sourcePath, targetPath, options, targetWidget, modelNode)
bindDefaultProperties(treeNode, modelNode)
getSelection()

Form Controller:

construct(model, target)
createModel(includeBubbleEvents)

Stores

API for all stores:

getModel()
reload()

Delegate:

getModelClass(properties)
getModelSuperClass(properties)
getModelMixin(properties)
manipulateData(data)
configureRequest(request)

JSON Store:

construct(url, delegate)

JSONP Store:

construct(url, delegate, callbackParam)

YQL Store:

construct(query, delegate)

Using all together

```
var s = new qx.data.store.Json(url);
var c = new qx.data.controller.List(null, list);
s.bind("model.items", c, "model");
```