

QCObjects

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See a demo using Foundation components here:

https://github.com/QuickCorp/quickobjects_sample1foundation

Please fork this project or make a link to this project into your README.md file. Read the LICENSE.txt file before you use this code.

Cross Browser Javascript Framework for MVC Patterns

QCObjects is a javascript framework designed to make easier everything about the MVC patterns implementation into the pure javascript scope. You don't need to use typescript nor any transpiler to run QCObjects. It runs directly on the browser and it uses pure javascript with no extra dependencies of code. You can make your own components expressed in real native javascript objects or extend a native DOM object to use in your own way. You can also use QCObjects in conjunction with CSS3 frameworks like [Foundation](#), [Bootstrap](#) and mobile javascript frameworks like [PhoneGap](#) and OnsenUI (<https://onsen.io>)

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Installing with NPM:

```
> npm install qcobjects
```

Using the code in the straight way into HTML5:

```
<script type="text/javascript" src="https://quickcorp.github.io/QCObjects/QCObjects.js"></s
```

Step 1: Start creating a main import file and name it like: cl.quickcorp.js. Put it into packages/js/ file directory.

```
"use strict";
/*
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 *
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 */

Import ('external/libs');
Import ('cl.quickcorp.model');
Import ('cl.quickcorp.components');
Import ('cl.quickcorp.controller');
Import ('cl.quickcorp.view');

Package('cl.quickcorp',[
  Class('FormValidator',Object,{

  })),
]);
```

Step 2: Then create some services

inheriting classes into the file js/packages/cl.quickcorp.services.js :

```
"use strict";
/*
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 *
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 */

Package('cl.quickcorp.service',[
  Class('JsonService',{
    method:"GET",
    cached:false,
    headers: {
      "Content-Type":"application/json",
      "charset":"utf-8"
    },
    JSONresponse: null,
    done:function(result){
      console.log("***** RECEIVED RESPONSE:");
      console.log(result.service.template);
      this.JSONresponse = JSON.parse(result.service.template);
      alert(this.template);
    }
  }),
  Class('FormSubmitService',{
    method:"POST",
    cached:false,
    headers: {
      "Content-Type":"application/json"
    },
    JSONresponse: null,
    done: function(result) {
      console.log("***** CALLED FormSubmitService");
      this.JSONresponse = JSON.parse(result.service.template);
      //TODO success case
    }
  })
]);
```

```

        console.log("***** SUCCESS!")
        console.log(this.JSONresponse);
    },
    fail: function(result) {
        //TODO negative case
        console.log("***** ERROR");
    }
})

})

```

Step 3: Now it's time to create the components (cl.quickcorp.components.js)

```

"use strict";
/*
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 * the larger work.
 *
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 *
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 */
Package('cl.quickcorp.components',[
  Class('FormField',Component,{
    cached:false,
    reload:true,
    createBindingEvents:function (){
      var _executeBinding = this.executeBinding;
      var thisobj = this;
      var _objList = this.body.querySelectorAll(this.fieldType);
      for (var _datak=0;_datak<_objList.length;_datak++){
        var _obj = _objList[_datak];
        _obj.addEventListener('change',function(e){
          logger.debug('Executing change event binding');

```

```

        thisobj.executeBindings();
    });
    _obj.addEventListener('keydown',function(e){
        logger.debug('Executing keydown event binding');
        thisobj.executeBindings();
    });
}
},
executeBinding:function (_obj){
    var _datamodel = _obj.getAttribute('data-field');
    logger.debug('Binding '+_datamodel+' for '+this.name);
    this.data[_datamodel]=_obj.value;
},
executeBindings:function (){
    var _objList = this.body.querySelectorAll(this.fieldType);
    for (var _datak=0;_datak<_objList.length;_datak++){
        var _obj = _objList[_datak];
        var _datamodel = _obj.getAttribute('data-field');
        logger.debug('Binding '+_datamodel+' for '+this.name);
        this.data[_datamodel]=_obj.value;
    }
},
done:function (){
    var thisobj = this;
    thisobj.executeBindings();
    thisobj.createBindingEvents();
    logger.debug('Field loaded: '+thisobj.fieldType+'[name='+thisobj.name+']');
}
}),
Class('ButtonField',FormField,{
    fieldType:'button'
}),
Class('InputField',FormField,{
    fieldType:'input'
}),
Class('TextField',FormField,{
    fieldType:'textarea'
}),
Class('EmailField',FormField,{
    fieldType:'input'
})
});

```

Step 4: Once you have done the above components declaration, you will now want to code your controllers (cl.quickcorp.controller.js)

```

"use strict";
/*
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 *
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 *
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 */
"use strict";
Package('cl.quickcorp.controller',[
  Class('MainController',Object,{
    _new_:function (){
      //TODO: Implement
      logger.debug('MainController Element Initialized');
    }
  }),
  Class('MyAccountController',Object,{
    component: null,
    done:function (){
      var controller = this;

      logger.debug('MyAccountController Element Initialized');
      this.component.body.setAttribute('loaded',true);

    },
    _new_:function (o){
      //TODO: Implement
      this.component = o.component;
    }
  })
]);

```

Step 5: To use into the HTML5 code you only need to do some settings between