

A suite of opinionated web development widgets made entirely with AngularJS

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Purpose

- 100%
 - AngularJS, No JQuery Dependencies
 - Themeable
 - Lightweight
 - Open Source
- Ease of Implementation and Maintainability.
- Designed from the ground up to be a full suite for end to end web development widgets.

Importance of AngularJS

- Two-way Data binding
- MVC
- Custom-directive
- REST-friendly
- Advanced-Templates
- Dependency-Injection

Product

The combobox, completely written in AngularJS, provides three features:

- Cascading Dropdown (dropdown choices are dependent on the selections of another dropdown).
- Checkbox Multiselect (allows user to select several options, select all or deselect all).
- Normal multi-select combobox.

Demo - Bossy/UI combobox

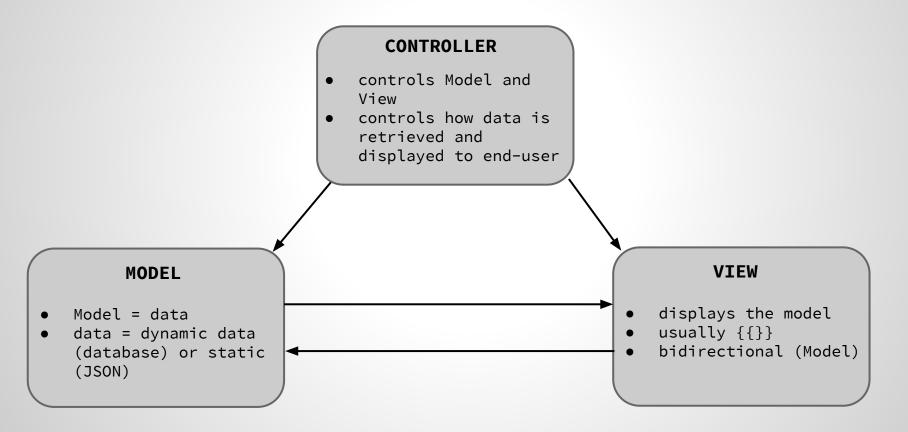
Cascading Dropdown
Country: Select 😊
State: Select \$
City: Select \$
Checkbox Multiselect
Noodles
Soup
Chicken
☐ Salad
select all
deselect all
choices: []
Multiselect
Select all
Deselect all
Chicken Beef
choices: []

Design

- follows the MVC architecture
 - Model to represent current state of the application
 - View to display the data
 - Controller to control the relation between Model and View

program's logic is clearly separated from user interface

MVC - AngularJS



Simple Angular MVC-example

```
app.controller('CtrlName', function ($scope) {
    $scope.choices = {
        'california' : 'sacramento',
        'texas' : 'austin',
        'oregon' : 'salem'
    }
});
```

Cascading Dropdown - Ctrl

```
lapp.controller('AppCtrl', function($scope) {
                            $scope.choices = {
                                 'Option A': {
Model
                                     'Option A1': ['Option A1a', 'Option A1b', 'Option A1c'],
                                     'Option A2': ['Option A2a', 'Option A2b', 'Option A2c'],
                                     'Option A3': ['Option A3a', 'Option A3b', 'Option A3c']
                                 'Option B': {
                                     'Option B1': ['Option B1a', 'Option B1b', 'Option B1c'],
                                     'Option B2': ['Option B2a', 'Option B2b', 'Option B2c'],
                                     'Option B3': ['Option B3a', 'Option B3b', 'Option B3c']
                                 'Option C': {
                                     'Option C1': ['Option C1a', 'Option C1b', 'Option C1c'],
                                     'Option C2': ['Option C2a', 'Option C2b', 'Option C3b'],
                                     'Option C3': ['Option C3a', 'Option C3b', 'Option C3c']
                            };
```

connect to view with: ng-controller

Cascading Dropdown - View

- ng-model binds the view into the model
- ng-options to dynamically generate a list of option-tags using the array

Checkbox Multiselect - Ctrl

stores Model and basic functions

app.directive('bossyCheckboxMultiselect'

custom directive to manipulate DOM-elements

Checkbox Multiselect - View

- usage of directive within input-tag
- ng-click defines on-click action

Verification

- Still in development.
- Working on implementing unit tests.
- Working on implementation of integration tests.

Conclusion

Bossy UI's mission is to provide web developers of all levels, a smooth and headache-free development experience. Since their tools are built entirely with flexible AngularJS, web developers won't have to worry about any dependencies.

Building rich and interactive websites will become a much easier process for anyone who uses the widgets that we've built, and we are proud of that.