

The following example of angular js code is developed for a front end in MVC 5 mobile web application

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Code:

```
angular.module('NgmApp', ['NgMobileApp', 'ngProgress']);
var Ngm = angular.module('NgmApp');

Ngm.controller('FilmeCtrl', FilmeCtrl);

function FilmeCtrl($scope, $http, ngProgress, $mdDialog) {
    $scope.lengths = 0;
    var COLORS = ['#ffebee', '#ffcdd2', '#ef9a9a', '#e57373', '#ef5350',
'#f44336', '#e53935', '#d32f2f', '#c62828', '#b71c1c', '#ff8a80', '#ff5252',
'#ff1744', '#d50000', '#f8bbd0', '#f48fb1', '#f06292', '#ec407a', '#e91e63',
'#d81b60', '#c2185b', '#ad1457', '#880e4f', '#ff80ab', '#ff4081', '#f50057',
'#c51162', '#e1bee7', '#ce93d8', '#ba68c8', '#ab47bc', '#9c27b0', '#8e24aa',
'#7b1fa2', '#4a148c', '#ea80fc', '#e040fb', '#d500f9', '#aa00ff', '#ede7f6',
'#d1c4e9', '#b39ddb', '#9575cd', '#7e57c2', '#673ab7', '#5e35b1', '#4527a0',
'#311b92', '#b388ff', '#7c4dff', '#651fff', '#6200ea', '#c5cae9', '#9fa8da',
'#7986cb', '#5c6bc0', '#3f51b5', '#3949ab', '#303f9f', '#283593', '#1a237e',
'#8c9eff', '#536dfe', '#3d5afe', '#304ffe', '#e3f2fd', '#bbdefb', '#90caf9',
'#64b5f6', '#42a5f5', '#2196f3', '#1e88e5', '#1976d2', '#1565c0', '#0d47a1',
'#82b1ff', '#448aff', '#2979ff', '#2962ff', '#b3e5fc', '#81d4fa', '#4fc3f7',
'#29b6f6', '#03a9f4', '#039be5', '#0288d1', '#0277bd', '#01579b', '#80d8ff',
'#40c4ff', '#00b0ff', '#0091ea', '#e0f7fa', '#b2ebf2', '#80deea', '#4dd0e1',
'#26c6da', '#00bcd4', '#00acc1', '#0097a7', '#00838f', '#006064', '#84ffff',
'#18ffff', '#00e5ff', '#00b8d4', '#e0f2f1', '#b2dfdb', '#80cbc4', '#4db6ac',
'#26a69a', '#009688', '#00897b', '#00796b', '#00695c', '#a7ffeb', '#64ffda',
'#1de9b6', '#00bfa5', '#e8f5e9', '#c8e6c9', '#a5d6a7', '#81c784', '#66bb6a',
'#4caf50', '#43a047', '#388e3c', '#2e7d32', '#1b5e20', '#b9f6ca', '#69f0ae',
'#00e676', '#00c853', '#f1f8e9', '#dcedc8', '#c5e1a5', '#aed581', '#9ccc65',
'#8bc34a', '#7cb342', '#689f38', '#558b2f', '#33691e', '#ccff90', '#b2ff59',
'#76ff03', '#64dd17', '#f9fbe7', '#f0f4c3', '#e6ee9c', '#dce775', '#d4e157',
'#cddc39', '#c0ca33', '#afb42b', '#9e9d24', '#827717', '#f4ff81', '#eeff41',
'#c6ff00', '#aeea00', '#ffffde', '#fff9c4', '#fff59d', '#ffff176', '#fffee58',
'#ffeb3b', '#fdd835', '#fbc02d', '#f9a825', '#f57f17', '#fffff8d', '#fffff00',
'#ffea00', '#ffd600', '#fff8e1', '#ffecb3', '#ffe082', '#ffd54f', '#ffca28',
'#ffc107', '#ffb300', '#ffa000', '#ff8f00', '#ff6f00', '#ffe57f', '#ffd740',
'#ffc400', '#ffab00', '#fff3e0', '#ffe0b2', '#ffcc80', '#ffb74d', '#ffa726',
'#ff9800', '#fb8c00', '#f57c00', '#ef6c00', '#e65100', '#ffd180', '#ffab40',
'#ff9100', '#ff6d00', '#fbe9e7', '#ffccbc', '#ffab91', '#ff8a65', '#ff7043',
'#ff5722', '#f4511e', '#e64a19', '#d84315', '#bf360c', '#ff9e80', '#ff6e40',
'#ff3d00', '#dd2c00', '#d7ccc8', '#bcaaa4', '#795548', '#d7ccc8', '#bcaaa4',
'#8d6e63', '#eceff1', '#cfd8dc', '#b0bec5', '#90a4ae', '#78909c', '#607d8b',
'#546e7a', '#cfd8dc', '#b0bec5', '#78909c'];
    $scope.color = function ()
    {
        return COLORS[Math.floor(Math.random() * COLORS.length)];
    };
    $scope.colspan = function ()
    {

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        var r = Math.random();
        if (r < 0.8) {
            return 1;
        } else if (r < 0.9) {
            return 2;
        } else {
            return 3;
        }
    };
    $scope.rowspan = function ()
    {
        var r = Math.random();
        if (r < 0.8) {
            return 1;
        } else if (r < 0.9) {
            return 2;
        } else {
            return 3;
        }
    };
    $scope.showAd = function (ev) {
        $mdDialog.show({
            controller: DialogController,
            templateUrl: 'chip.cache.html',
            parent: angular.element(document.body),
            targetEvent: ev,
        })
        .then(function (answer) {
            $scope.alert = 'You said the information was "' +
answer + '".';
        }, function () {
            $scope.alert = 'You cancelled the dialog.';
        });
    };
    $scope.OpenList = function () {
        ngProgress.start();

$http.get('http://localhost/SunyinHealth.AngularWeb/NgMobile/Filmlists')
    .success(function (data, status, headers, config)
    { //menu level 1 data
        $scope.flist = data;
        $scope.lengths = data.length;
    })
    .error(function (data, status, headers, config) {
        console.log("not success");
    });
    ngProgress.complete();
    }

};

Ngm.controller('BottomSheetExCtrl', BottomSheetExCtrl);
function BottomSheetExCtrl($scope, $timeout, $mdBottomSheet) {
    $scope.alert = '';
    $scope.showListBottomSheet = function($event) {
        $scope.alert = '';
        $mdBottomSheet.show({
            templateUrl: 'bottom-sheet-list-template.html',
            controller: 'ListBottomSheetCtrl',

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        targetEvent: $event
    }).then(function(clickedItem) {
        $scope.alert = clickedItem.name + ' clicked!';
    });
};
$scope.showGridBottomSheet = function($event) {
    $scope.alert = '';
    $mdBottomSheet.show({
        templateUrl: 'bottom-sheet-grid-template.html',
        controller: 'GridBottomSheetCtrl',
        targetEvent: $event
    }).then(function(clickedItem) {
        $scope.alert = clickedItem.name + ' clicked!';
    });
};
};

Ngm.controller('ListBottomSheetCtrl', function($scope, $mdBottomSheet) {
    $scope.items = [
        { name: 'Share', icon: 'share-arrow' },
        { name: 'Upload', icon: 'upload' },
        { name: 'Copy', icon: 'copy' },
        { name: 'Print this page', icon: 'print' },
    ];
    $scope.listItemClick = function($index) {
        var clickedItem = $scope.items[$index];
        $mdBottomSheet.hide(clickedItem);
    };
})

.controller('GridBottomSheetCtrl', function($scope, $mdBottomSheet) {
    $scope.items = [
        { name: 'Hangout', icon: 'hangout' },
        { name: 'Mail', icon: 'mail' },
        { name: 'Message', icon: 'message' },
        { name: 'Copy', icon: 'copy2' },
        { name: 'Facebook', icon: 'facebook' },
        { name: 'Twitter', icon: 'twitter' },
    ];
    $scope.listItemClick = function($index) {
        var clickedItem = $scope.items[$index];
        $mdBottomSheet.hide(clickedItem);
    };
})

.run(function($http, $templateCache) {
    var urls = [
        'img/icons/share-arrow.svg',
        'img/icons/upload.svg',
        'img/icons/copy.svg',
        'img/icons/print.svg',
        'img/icons/hangout.svg',
        'img/icons/mail.svg',
        'img/icons/message.svg',
        'img/icons/copy2.svg',
        'img/icons/facebook.svg',
        'img/icons/twitter.svg'
    ];
    angular.forEach(urls, function(url) {
        $http.get(url, {cache: $templateCache});
    });
})
});

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Ngm.controller('CkxCtrl', CkxCtrl);
function CkxCtrl($scope) {

    $scope.items = [1, 2, 3, 4, 5];
    $scope.selected = [];
    $scope.toggle = function (item, list) {
        var idx = list.indexOf(item);
        if (idx > -1) list.splice(idx, 1);
        else list.push(item);
    };
    $scope.exists = function (item, list) {
        return list.indexOf(item) > -1;
    };
};

Ngm.controller('DiaCtrl', DiaCtrl);
function DiaCtrl($scope, $mdDialog) {
    $scope.alert = '';
    $scope.showAlert = function(ev) {
        // Appending dialog to document.body to cover sidenav in docs app
        // Modal dialogs should fully cover application
        // to prevent interaction outside of dialog
        $mdDialog.show(
            $mdDialog.alert()
                .parent(angular.element(document.body))
                .title('This is an alert title')
                .content('You can specify some description text in here.')
                .ariaLabel('Alert Dialog Demo')
                .ok('Got it!')
                .targetEvent(ev)
        );
    };
    $scope.showConfirm = function(ev) {
        // Appending dialog to document.body to cover sidenav in docs app
        var confirm = $mdDialog.confirm()
            .parent(angular.element(document.body))
            .title('Would you like to delete your debt?')
            .content('All of the banks have agreed to forgive you your
debts.')
            .ariaLabel('Lucky day')
            .ok('Please do it!')
            .cancel('Sounds like a scam')
            .targetEvent(ev);
        $mdDialog.show(confirm).then(function() {
            $scope.alert = 'You decided to get rid of your debt.';
        }, function() {
            $scope.alert = 'You decided to keep your debt.';
        });
    };
    $scope.showAdvanced = function(ev) {
        $mdDialog.show({
            controller: DialogController,
            templateUrl: 'dialog1.tmpl.html',
            parent: angular.element(document.body),
            targetEvent: ev,
        })
        .then(function(answer) {
            $scope.alert = 'You said the information was "' + answer + '".';
        }, function() {
            $scope.alert = 'You cancelled the dialog.';
        });
    };
};

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    };
};
function DialogController($scope, $mdDialog) {
    $scope.hide = function() {
        $mdDialog.hide();
    };
    $scope.cancel = function() {
        $mdDialog.cancel();
    };
    $scope.answer = function(answer) {
        $mdDialog.hide(answer);
    };
}

Ngm.controller('ContactChipCtrl', ContactChipCtrl);

function ContactChipCtrl($timeout, $q) {
    var self = this;
    self.querySearch = querySearch;
    self.allContacts = loadContacts();
    self.contacts = [self.allContacts[0]];
    self.filterSelected = true;
    /**
     * Search for contacts.
     */
    function querySearch (query) {
        var results = query ?
            self.allContacts.filter(createFilterFor(query)) : [];
        return results;
    }
    /**
     * Create filter function for a query string
     */
    function createFilterFor(query) {
        var lowercaseQuery = angular.lowercase(query);
        return function filterFn(contact) {
            return (contact._lowname.indexOf(lowercaseQuery) != -1);
        };
    }
    function loadContacts() {
        var contacts = [
            'Marina Augustine',
            'Oddr Sarno',
            'Nick Giannopoulos',
            'Narayana Garner',
            'Anita Gros',
            'Megan Smith',
            'Tsvetko Metzger',
            'Hector Simek',
            'Some-guy withalongalastaname'
        ];
        return contacts.map(function (c, index) {
            var cParts = c.split(' ');
            var contact = {
                name: c,
                email: cParts[0][0].toLowerCase() + '.' +
cParts[1].toLowerCase() + '@example.com',
                image: 'http://lorempixel.com/50/50/people?' + index
            };
            contact._lowname = contact.name.toLowerCase();
            return contact;
        });
    }
}

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        });
    }
}

Ngm.controller('AutoCCtrl', AutoCCtrl);

function AutoCCtrl($timeout, $q, $log) {
    var self = this;
    self.simulateQuery = false;
    self.isDisabled = false;
    self.repos = loadAll();
    self.querySearch = querySearch;
    self.selectedItemChange = selectedItemChange;
    self.searchTextChange = searchTextChange;

    function querySearch (query) {
        var results = query ? self.repos.filter( createFilterFor(query) ) :
self.repos,
        deferred;
        if (self.simulateQuery) {
            deferred = $q.defer();
            $timeout(function () { deferred.resolve( results ); },
Math.random() * 1000, false);
            return deferred.promise;
        } else {
            return results;
        }
    }

    function searchTextChange(text) {
        $log.info('Text changed to ' + text);
    }

    function selectedItemChange(item) {
        $log.info('Item changed to ' + JSON.stringify(item));
    }

    function createFilterFor(query) {
        var lowercaseQuery = angular.lowercase(query);
        return function filterFn(item) {
            return (item.value.indexOf(lowercaseQuery) === 0);
        };
    }
}

Ngm.controller('TATCtrl', TAbDirctCtrl);
function TAbDirctCtrl($scope, $mdSidenav) {
    $scope.openLeftMenu = function() {
        $mdSidenav('left').toggle();
    };

    $scope.neighborhoods2 = ['Water','Air','Wind'];
}

Ngm.controller('ToastCtrls', ToastCtrls);
function ToastCtrls($scope, $mdToast, $animate) {
    $scope.toastPosition = {
        bottom: false,
        top: true,
        left: false,
        right: true
    };
    $scope.getToastPosition = function() {

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        return Object.keys($scope.toastPosition)
            .filter(function(pos) { return $scope.toastPosition[pos]; })
            .join(' ');
    };
    $scope.showCustomToast = function() {
        $mdToast.show({
            controller: 'ToastCtrl',
            templateUrl: 'toast-template.html',
            hideDelay: 6000,
            position: $scope.getToastPosition()
        });
    };
    $scope.showSimpleToast = function() {
        $mdToast.show(
            $mdToast.simple()
                .content('Simple Toast!')
                .position($scope.getToastPosition())
                .hideDelay(3000)
        );
    };
    $scope.showActionToast = function() {
        var toast = $mdToast.simple()
            .content('Action Toast!')
            .action('OK')
            .highlightAction(false)
            .position($scope.getToastPosition());
        $mdToast.show(toast).then(function() {
            alert('You clicked \'OK\'!');
        });
    };
};

Ngm.controller('ToastCtrl', function($scope, $mdToast) {
    $scope.closeToast = function() {
        $mdToast.hide();
    };
});

Ngm.controller('SwitchCtrl', SwitchCtrl);
function SwitchCtrl($scope) {
    $scope.data = {
        cb1: true,
        cb4: true,
        cb5: false
    };
    $scope.onChange = function (cbState) {
        $scope.message = "The switch is now: " + cbState;
    };
};

Ngm.controller('ListCtrl', ListCtrl);

function ListCtrl($scope) {

    $scope.color = {
        red: Math.floor(Math.random() * 255),
        green: Math.floor(Math.random() * 255),
        blue: Math.floor(Math.random() * 255)
    };
    $scope.rating1 = 3;

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$scope.rating2 = 2;
$scope.rating3 = 4;
$scope.disabled1 = 0;
$scope.disabled2 = 70;

var imagePath = 'img/icons/menu.svg';

$scope.phones = [
  { type: 'Home', number: '(555) 251-1234' },
  { type: 'Cell', number: '(555) 786-9841' },
];
$scope.todos = [
  {
    face: imagePath,
    what: 'Brunch this weekend?',
    who: 'Min Li Chan',
    when: '3:08PM',
    notes: " I'll be in your neighborhood doing errands"
  },
  {
    face: imagePath,
    what: 'Brunch this weekend?',
    who: 'Min Li Chan',
    when: '3:08PM',
    notes: " I'll be in your neighborhood doing errands"
  },
  {
    face: imagePath,
    what: 'Brunch this weekend?',
    who: 'Min Li Chan',
    when: '3:08PM',
    notes: " I'll be in your neighborhood doing errands"
  },
  {
    face: imagePath,
    what: 'Brunch this weekend?',
    who: 'Min Li Chan',
    when: '3:08PM',
    notes: " I'll be in your neighborhood doing errands"
  },
  {
    face: imagePath,
    what: 'Brunch this weekend?',
    who: 'Min Li Chan',
    when: '3:08PM',
    notes: " I'll be in your neighborhood doing errands"
  },
];
}

Ngm.controller('gridListCtrl', gridListCtrl);
function gridListCtrl($scope)
{
  this.tiles = buildGridModel({
    icon : "avatar:svg-",
    title: "Svg-",
    background: "red"
  });

  function buildGridModel(tileTpl){

```



```

var it, results = [ ];
for (var j=0; j<11; j++) {
  it = angular.extend({},tileTpl);
  it.icon = it.icon + (j+1);
  it.title = it.title + (j+1);
  it.span = { row : 1, col : 1 };
  switch(j+1) {
    case 1:
      it.background = "red";
      it.span.row = it.span.col = 2;
      break;
    case 2: it.background = "green";           break;
    case 3: it.background = "darkBlue";       break;
    case 4:
      it.background = "blue";
      it.span.col = 2;
      break;
    case 5:
      it.background = "yellow";
      it.span.row = it.span.col = 2;
      break;
    case 6: it.background = "pink";           break;
    case 7: it.background = "darkBlue";       break;
    case 8: it.background = "purple";         break;
    case 9: it.background = "deepBlue";       break;
    case 10: it.background = "lightPurple";   break;
    case 11: it.background = "yellow";        break;
  }
  results.push(it);
}
return results;
}
};

```

```

Ngm.controller('SidnavCtrl', SidnavCtrl);

```

```

function SidnavCtrl($scope, $timeout, $mdSidenav, $mdUtil, $log, $http) {
  $scope.demo = {
    topDirections: ['left', 'up'],
    bottomDirections: ['down', 'right'],
    isOpen: false,
    availableModes: ['md-fling', 'md-scale'],
    selectedMode: 'md-fling',
    availableDirections: ['up', 'down', 'left', 'right'],
    selectedDirection: 'right'
  };

  $scope.toggleLeft = buildToggler('left');
  $scope.toggleRight = buildToggler('right');

  function buildToggler(navID) {
    var debounceFn = $mdUtil.debounce(function () {
      $mdSidenav(navID)
        .toggle()
        .then(function () {
          $log.debug("toggle " + navID + " is done");
        });
    }, 300);
    return debounceFn;
  }
};

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```

$scope.search = function (keyword) {

$http.get('http://localhost/SunyinHealth.AngularWeb/NgMobile/EachFilmlist?keyword=' + keyword)
    .success(function (data, status, headers, config) { //menu level 1
data
        $scope.fli = new Array();
        $.each(data, function (i, d)
        {
            $scope.fli.push(d);
        });
        var url =
'http://localhost/SunyinHealth.AngularWeb/NgMobile/News?result=' +
$scope.fli;
        var form = $('
' +
        '
');
        $('body').append(form);
        form.submit();
    })
    .error(function (data, status, headers, config) {
        console.log("not success");
    });

}

};

Ngm.controller('LeftCtrl', function ($scope, $timeout, $mdSidenav, $log) {
    $scope.close = function () {
        $mdSidenav('left').close()
        .then(function () {
            $log.debug("close LEFT is done");
        });
    };
})

.controller('RightCtrl', function ($scope, $timeout, $mdSidenav, $log) {
    $scope.close = function () {
        $mdSidenav('right').close()
        .then(function () {
            $log.debug("close RIGHT is done");
        });
    };
});

Ngm.controller('TabsCtrl', TabsCtrl);

function TabsCtrl($scope, $log) {
    var tabs = [
        { title: 'One', content: "Tabs will become paginated if there
isn't enough room for them." },
        { title: 'Two', content: "You can swipe left and right on a
mobile device to change tabs." },
        { title: 'Three', content: "You can bind the selected tab via the
selected attribute on the md-tabs element." },
        { title: 'Four', content: "If you set the selected tab binding to
-1, it will leave no tab selected." },
    ];
}

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        { title: 'Five', content: "If you remove a tab, it will try to
select a new one." },
        { title: 'Six', content: "There's an ink bar that follows the
selected tab, you can turn it off if you want." },
        { title: 'Seven', content: "If you set ng-disabled on a tab, it
becomes unselectable. If the currently selected tab becomes disabled, it
will try to select the next tab." },
        { title: 'Eight', content: "If you look at the source, you're
using tabs to look at a demo for tabs. Recursion!" },
        { title: 'Nine', content: "If you set md-theme=\"green\" on the
md-tabs element, you'll get green tabs." },
        { title: 'Ten', content: "If you're still reading this, you
should just go check out the API docs for tabs!" }
    ],

```

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        selected = null,
        previous = null;

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$scope.tabs = tabs;
$scope.selectedIndex = 2;

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$scope.$watch('selectedIndex', function (current, old) {
    previous = selected;
    selected = tabs[current];
    if (old + 1 && (old !== current))
        $log.debug('Goodbye ' + previous.title + '!');
    if (current + 1)
        $log.debug('Hello ' + selected.title + '!');
});

```

```

$scope.addTab = function (title, view) {
    view = view || title + " Content View";
    tabs.push({ title: title, content: view, disabled: false });
};

```

```

$scope.removeTab = function (tab) {
    var index = tabs.indexOf(tab);
    tabs.splice(index, 1);
};

```

```

};

```

```

Ngm.controller('MenutopCtrl', MenutopCtrl);

```

```

function MenutopCtrl($mdDialog, $mdBottomSheet, $scope) {
    var vm = this;
    $scope.items1 = ['Product', 'Shopping', 'Contact Us'];
    $scope.items2 = ['News', 'Ads', 'Blogs'];
    $scope.items3 = ['Travel', 'Agents', 'Email'];

    this.announceClick = function(url) {
        window.location.href = url;
    };

    $scope.openbottom = function () {
        $mdBottomSheet.show({
            template: '<div style="background-color: green;" layout-
align="center center">Welcome to our modern tea world</div>'
        });
    }
}

```

```

//root.js --used NgMobileApp that injects ngmterial

```

```
//controller inherited from this root.js so new module is created and  
inject root module
```