

## Download

### Sencha SDK

<http://www.sencha.com/products/extjs/download/ext-js-4.2.0>

### Sencha Cmd

<http://www.sencha.com/products/sencha-cmd/download>

## Application Structure

extjs contains the Ext JS 4 SDK files

app.js contains your application's logic

```

appname/
  app/
    namespace/
      Class1.js
      Class2.js
      ...
  extjs/
  resources/
    css/
    images/
    ...
  app.js
  index.html
    
```

index.html:

```

<head>
<link rel="stylesheet" type="text/css"
  href="extjs/resources/css/ext-all.css">
<script type="text/javascript" src="extjs/ext-debug.js"></script>
<script type="text/javascript" src="extjs/locale/ext-lang-pl.js"></script>
<script type="text/javascript" src="app.js">
</script>
</head>
    
```

app.js:

```

Ext.application({
  name: 'MyApp',
  launch: function() {
    Ext.create('Ext.container.Viewport', {
      layout: 'fit',
      ...
    });
  }
});
    
```

## Deployment

sencha generate app MyApp /path/to/MyApp

cd /path/to/MyApp

sencha app build

sencha web start # http://localhost:1841/

sencha web stop

...

sencha generate model User id:int,name,email

sencha generate controller Central

sencha generate view SomeView

## Class System

Ext.define(className, members, onClassCreatedFun);

Simple class:

```

Ext.define('My.sample.Person', {
  extends: 'My.sample.Object',
  statics: {
    instanceCount: 0,
    
```

```

factory: function(name) {
  // 'this' in static methods refer to the class itself
  return new this({name: name});
},
},
config: {
  name: 'Unknown',
  pesel: '776987337823' // generate get/set/apply
},
constructor: function(name, config) {
  this.initConfig( config );
  this.self.instanceCount ++ ;
  this.callParent(arguments);
},
applyPesel: function(pesel) {
  if (!Ext.isString(pesel) || pesel.length === 0) {
    alert('Error: PESEL must be a valid non-empty string!');
  }
  else {
    return pesel;
  }
}
});
var john = Ext.create(
  'My.sample.Person', { name: 'John', pesel: '86567892332' }
);
    
```

Simple component:

```

Ext.define('AM.view.user.Edit', {
  extend: 'Ext.window.Window',
  alias: 'widget.useredit',
  title: 'Edit User',
  layout: 'fit',
  autoShow: true,
  initComponent: function() {
    Ext.apply( this, {
      items: [ ... ],
      buttons: [ ... ]
      ...
    });
    this.callParent(arguments);
  }
});
    
```

Mixins

```

Ext.define('HasCamera', {
  takePhoto: function(){
    alert('Say Cheese! .... Click!');
  }
});
    
```

```

Ext.define( 'Cookbook.Smartphone', {
  mixins: {
    camera: 'HasCamera'
  },
  useCamera: function() {
    this.takePhoto();
  },
  takePhoto: function() {
    this.focus();
    this.mixins.camera.takePhoto.call(this);
  },
  focus: function(){
    alert('Focusing Subject...');
  }
});
    
```

## Singleton

```

Ext.define( 'myclass', {
  singleton: true,
  myFun: function() { console.info( 'x' ); }
}
myclass.myFun();
    
```

## Overriding

```

Ext.define( 'Cookbook.overrides.TextField', {
  override: 'Ext.form.field.Text',
  onRender: function() {
    this.callParent( arguments );
    Ext.core.DomHelper.append( this.el, '<div>' + this.infoText + '</div>' );
  }
});
    
```

## Dynamic class loading

```

Ext.Loader.setConfig({
  enabled: true,
  paths: {
    'Cookbook': 'src/Cookbook'
  }
});
...
Ext.require( 'Cookbook.Vehicle', function() {
  var van = Ext.create( 'Cookbook.Vehicle', 'Ford', 'Transit', 60);
  van.travel(200);
});
    
```

It is recursive and won't stop until all the files needed by the original required classes are loaded.

## Naming conventions

One class per file, e.g. MyCompany/form/action/AutoLoad.js

Class	MyCompany.form.action.AutoLoad
Method & variable & class property	encodeUsingMd5()
Static class property	Ext.MessageBox.YES = "Yes"

## Error handling

throw new Error('[!+ Ext.getDisplayName(arguments.callee) +'] Some message here!');

## MVC Architecture

**Model** is a collection of fields and their data. Models know how to persist themselves through the data package, and can be linked to other models through associations. Models are normally used with Stores to present data into grids and other components.

**View** is any type of component - grids, trees and panels are all views. **Controllers** are special places to put all of the code that makes your app work - whether that's rendering views, instantiating Models, handling events, or any other app logic. Controllers are the glue that binds an application together. All they really do is listen for events (usually from views) and take some actions.

```

appname/
  app/
    controller/
    model/
    store/
    view/
  data/
  extjs/
  resources/
  css/
    
```

```
images/
...
app.js
index.html
```

```
app.js:
Ext.application({
  requires: ['Ext.container.Viewport'],
  name: 'AM', // namespace
  appFolder: 'app',
  controllers: ['Users'],
  launch: function() {
    Ext.create('Ext.container.Viewport', {
      layout: 'fit',
      items: { xtype: 'userlist' }
    });
  }
});
```

```
app/controller/Users.js:
Ext.define('AM.controller.Users', {
  extend: 'Ext.app.Controller',
  views: ['user.List'],
  stores: ['Users'],
  models: ['User'],
  init: function() {
    this.control({
      'userlist': { itemdblclick: this.editUser }
    });
  },
  editUser: function(grid, record) {
    console.log('Double clicked on ' + record.get('name'));
  }
});
```

```
app/view/user/List.js:
Ext.define('AM.view.user.List', {
  extend: 'Ext.grid.Panel',
  alias: 'widget.userlist',
  title: 'All Users',
  store: 'Users',
  initComponents: function() {
    this.columns = [ ... ];
    this.callParent(arguments);
  }
});
```

```
app/model/User.js
```

```
Ext.define('AM.model.User', {
  extend: 'Ext.data.Model',
  fields: ['name', 'email']
});
```

```
app/store/Users.js:
```

```
Ext.define('AM.store.Users', {
  extend: 'Ext.data.Store',
  model: 'AM.model.User',
  data: [
    {name: 'Ed', email: 'ed@sencha.com'},
    {name: 'Tommy', email: 'tommy@sencha.com'}
  ]
});
```

```
Ext.widget('useredit'); === Ext.create('widget.useredit')
```

## The data Package

Model: represents some type of data in an application

```
Ext.define('User', {
  extend: 'Ext.data.Model',
  idProperty: 'id', // default is 'id'
  fields: [
    'login', // { name: 'login', type: 'auto' }
    { name: 'postcode', type: 'string' },
    { name: 'id', type: 'int' },
    { name: 'lastlogin', type: 'date', dateFormat: 'd-m-Y' },
    { name: 'email', type: 'string' }
  ],
  validations: [
    { type: 'length', field: 'login', min: 1 },
    { type: 'presence', field: 'id' },
    { type: 'inclusion', field: 'login', list: ['Admin', 'Operator'] },
    { type: 'format', field: 'postcode', matcher: /\d{2}-\d{3}/ },
    { type: 'exclusion', field: 'postcode', list: ['00-000'] },
    { type: 'email', field: 'email' }
  ],
  proxy: {
    type: 'rest',
    url: 'data/users',
    reader: {
      type: 'json',
      root: 'users'
    }
  }
});
var user = Ext.create('User', { id: 1, login: 'Yogi' });
user.set('login', user.get('login') + 'Bear');
var errors = newUser.validate();
console.log('Is User valid?', errors.isValid());
console.log('All Errors:', errors.items); //array of all errors found
console.log('Age Errors:', errors.getByField('age')); //errors for the field
```

Optional properties:

- **defaultValue**
- **dateFormat** may be also: 'timestamp' (UNIX) or 'time' (milliseconds)
- **useNull** (for int, float, bool, string): If the value cannot be parsed, null will be used instead of defaultValue

Type	Default value
auto	""
string	""
date	null
int/integer	0
float/number	0
boolean/bool	false

Store: collection of Model instances

Subclasses: ArrayStore, JsonStore, JsonPStore, XmlStore, TreeStore, DirectStore

```
Ext.create('Ext.data.Store', {
  model: 'User', //alternatively, fields: [...]
  sorters: ['name', 'id'],
  filters: {
    property: 'name',
    value: 'Ed'
  },
  groupField: 'age',
  groupDir: 'DESC',
  data: [ // alternatively: proxy { ... }
```

```
{ firstName: 'Ed', lastName: 'Spencer' },
{ firstName: 'Tommy', lastName: 'Maintz' }
],
autoLoad: false // true for proxy
});
```

Important methods:

```
load(), sync(),
add(),
each(),
sort('columnName', 'ASC'),
filter(), filterBy(), clearFilter(),
findRecord(), queryBy()
```

Important events: load, beforeload, update, datachanged, write

**Proxy**

Used by Store to handle the loading and saving of Model data.

Subclasses: Memory, LocalStorage, SessionStorage, Ajax, Rest, JsonP, Direct

**Associations**

```
Ext.define('User', {
  extend: 'Ext.data.Model',
  fields: ['id', 'name'],
  proxy: {
    type: 'rest',
    url: 'data/users',
    reader: {
      type: 'json',
      root: 'users'
    }
  },
  hasMany: 'Post' // shorthand for { model: 'Post', name: 'posts' }
});
```

```
Ext.define('Post', {
  extend: 'Ext.data.Model',
  fields: ['id', 'user_id', 'title', 'body'],
  proxy: {
    type: 'rest',
    url: 'data/posts',
    reader: {
      type: 'json',
      root: 'posts'
    }
  },
  belongsTo: 'User',
  hasMany: { model: 'Comment', name: 'comments' }
});
```

```
Ext.define('Comment', {
  extend: 'Ext.data.Model',
  fields: ['id', 'post_id', 'name', 'message'],
  belongsTo: 'Post'
});
```

## Keyboard navigation

```
Ext.FocusManager.enable(true);
var map = Ext.create('Ext.util.KeyMap', Ext.getBody(), [
  {
    key: Ext.EventObject.E, // E for east
    shift: true,
    ctrl: false, // explicitly set as false to avoid collisions
    fn: function() {
      var parentPanel = eastPanel;
      expand(parentPanel);
    }
  }
]);
```

```

},
{
  key: Ext.EventObject.W, // W for west
  shift: true,
  ctrl: false,
  fn: function() {
    var parentPanel = westPanel;
    expand(parentPanel);
  }
},
{
  key: Ext.EventObject.S, // S for south
  shift: true,
  ctrl: false,
  fn: function() {
    var parentPanel = southPanel;
    expand(parentPanel);
  }
}
});

```

### Drag & Drop

```

Ext.create("Ext.form.FieldSet", {
  renderTo : Ext.getBody(),
  width : 100,margin:15,
  title : "Drag",
  listeners : {
    render : function(src){
      Ext.create("Ext.dd.DragSource",src.getEl(),{
        ddGroup : "A"
      });
    }
  }
});

```

```

Ext.create("Ext.panel.Panel", {
  title: "DropTarget panel",
  height: 200, width: 350, padding: 20,
  renderTo : Ext.getBody(),
  listeners: {
    render: function (src) {
      Ext.create("Ext.dd.DropTarget", src.getEl(), {
        ddGroup : "A",
        notifyDrop : function(dragSource,e,data){
          var elem = Ext.getCmp(dragSource.id);
          src.add(elem);
        }
      });
    }
  },
});

```

Tree:

```

Ext.create('Ext.tree.Panel', {
  title: 'Conference', height: 400,
  store: conferenceStore,
  viewConfig: {
    plugins: {
      ptype: 'treeviewdragdrop',
      dragText: "Drag and drop"
    },
  },
  listeners: {
    beforedrop: function (node, data,overModel) {
      var session = data.records[0];
      if (!session.get("leaf") || overModel.isRoot())

```

```

    return false;
  }
},
{
  rootVisible: true
});

```

### Forms

A `Ext.form.Panel` is nothing more than a basic `Panel` with form handling abilities added. In addition, Form Panels can use any `Container Layout`, providing a convenient and flexible way to handle the positioning of their fields (default is `anchor`). Form Panels can also be bound to a `Model`, making it easy to load data from and submit data back to the server. Under the hood a Form Panel wraps a `BasicForm` (`formPanel.getForm()`) which handles all of its input field management, validation, submission, and form loading services.

ExtJS4 does not have a form layout. It utilizes the `Ext.form.Labelable` mixin, which allows form fields to be decorated with labels and error messages without requiring a specific layout to be applied to container.

`Ext.form.FieldContainer` allows to combine multiple fields into a single container, which also implements the `Ext.form.Labelable` mixin.

```

Ext.create(
  'Ext.form.Panel',
  {
    title: 'User Form',
    bodyPadding: 10,
    url: 'add_user',
    defaults: {
      xtype: 'textfield',
    },
    fieldDefaults: {
      labelAlign: 'top',
      msgTarget: 'side', // qtip, under, title, side, none, component ID
      labelWidth: 75
    },
    ...
    items: [
      {
        xtype: 'displayfield',
        fieldLabel: 'First Name',
        name: 'firstName'
      },
      {
        xtype: 'textfield',
        fieldLabel: 'Login',
        validator: function( val ) {
          if( val.length <= 4 ) return "Login too short";
          return true;
        }
      },
      {
        fieldLabel: 'Email',
        name: 'email',
        vtype: 'email' // 'alpha', 'alphanumeric', 'url',
        minLength: 4,
        maxLength: 100
      },
      {
        xtype: 'timefield', name: 'time' },
      { xtype: 'multislider', values: [25, 50, 75], minValue: 0,
        maxValue: 100 },
    ]
  }
);

```

```

    fieldLabel: 'Last Login Time',
    name: 'loginTime',
    regex: /^[1-9][10-9]:([0-5][0-9])(\s[a|p|m])$/i,
    maskRe: /[\\d\\s:amp]/i,
    invalidText: 'Not a valid time. Must be in the format "12:34 PM".'
  }
],
buttons: [
  {
    text: 'Submit',
    formBind: true, // enabled if form is valid
    disabled: true, // enabled if form is valid
    handler: function() {
      var form = this.up('form').getForm(),
          record = form.getRecord();
      if (form.isValid()) {
        form.updateRecord(record);
        record.save({
          success: function(user) {
            Ext.Msg.alert('Success', 'User saved successfully.');
```

```

          },
          failure: function(user) {
            Ext.Msg.alert('Failure', 'Failed to save user.');
```

### Populating form

```

formPanel.getForm().setValues( dataObj );
formPanel.getForm().loadRecord( model );
formPanel.getForm().load( {
  url: '/myurl',
  waitMsg: 'Processing form...',
  // action is successful and 'success' property in result is true
  success: function( form, action ) {
    ...
  },
  failure: function( form, action ) {
    if(action.failureType === Ext.form.action.Action.CLIENT_INVALID){
      // form.isValid() returned false
    } else if(action.failureType === Ext.form.action.Action.CONNECT_FAILURE){
      // i.e. invalid URL
      console.info( 'status: ' + action.response.status + ': ' +
        action.response.statusText );
    } else if(action.failureType === Ext.form.action.Action.SERVER_INVALID){
      // i.e. 'succes' property is false
      console.info( action.result.message );
    }
  }
} );

```

### Submitting form

```

formPanel.getForm().submit( { url: '...', success: ..., failure: ... } )

```

```
formPanel.getForm().getValues()
formPanel.getForm().updateRecord( formPanel.getForm().getRecord() )
```

### Validating form

```
formPanel.getForm().isValid()
```

**VType:** validation function + error message + (optional) input regexp mask

```
{ xtype: 'textfield', vtype: 'email/alpha/alphnum/url' }
```

```
var telNumberVType = {
  telNumber: function( val, field ) {
    var re = /\d{4}-\d{3}-\d{4}$/;
    return re.test( val );
  },
  telNumberText: 'Your phone number must only include numbers and hyphens.',
  telNumberMask: /[d\-\-]/
};
```

```
Ext.apply( Ext.form.field.VTypes, telNumberVType );
```

```
...
{ xtype: 'textfield', vtype: 'telNumber' }
...
```

### Combobox

```
xtype: 'combobox',
displayField: 'fullName',
valueField: 'userID',
store: store,
queryMode: 'remote', // default
forceSelection: true
```

```
// autocompletion
typeAhead: true,
typeAheadDelay: 100,
minChars: 3,
hideTrigger: true
```

### DOM

#### Select

```
e1 = Ext.get( id/DOM/Ext.Element ) // -> Ext.Element
e1.dom
e1.select( css-selector )
e1.query( css-selector ) -> array of DOM nodes
```

#### Manipulating

```
e1.setStyle( 'font-size', '1.5em' );
e1.setStyle( { backgroundColor: 'red' } );
e1.addClass( 'book-title' );
e1.update( HTML );
```

#### Traverse

```
e1.prev()/next() first()/last() parent()/child('li') up()/down('li')
```

#### Creating

```
Ext.core.DomHelper.append( el, {
  cls: 'someClass',
  tag: 'li',
  html: 'some HTML here',
  children: [ {...] }
} );
helper.insertBefore( el, {...});
helper.insertAfter( el, {...});
```

Templates allow us to create HTML strings that contain data placeholders.

```
var template = Ext.core.DomHelper.createTemplate(
  { tag: 'li', html: '{newFeature}' } );
template.append( el, { newFeature: 'Row Editor' } );
```

### Animations

```
el.puff({
  easing: 'easeOut',
  duration: 1000,
  useDisplay: false
});
component.getEl().frame( 'red', 3, {
  duration: 500
});
```

Events: beforeanimate, afteranimate, keyframe.

### Events

```
el.on( 'click', function( e, target, options ) { ... }, self );
el.on({
  click: function(e, target, options) { ... },
  contextmenu: function(e, target, options) { ... },
  self: this
});
```

### Dates

```
Ext.Date.format( date, format );
Ext.Date.parse( '2010-05-17', 'Y-m-d' );
Ext.Date.between( date, startDate, endDate ); // -> boolean
Ext.Date.add( date, Ext.Date.YEAR, -1 );
Ext.Date.isValid( 2011, 29, 2 );
Ext.Date.getDayOfYear( date );
Ext.Date.getDayInMonth( date );
Ext.Date.getElapsed( dateA, [dateB] );
Ext.Date.getTimezone( date );
Ext.Date.defaultFormat // used in Ext.util.Format.date( date )

Ext.JSON.encodeDate( date );
```

### AJAX, JSON

```
Ext.Ajax.request({
  url: '...',
  params: {
    par1: 10,
    par2: 'value'
  },
  disableCaching: true,
  success: function( response, options ) {
    console.info( response.responseText );
  },
  failure: function( response, options ) { ... },
  callback: function( options, success, response ) { ... },
  timeout: 60000 // default: 30000 msec
});
```

```
Ext.encode( json ); // -> String
Ext.decode( str ); // -> JSON
```

### Ext.ComponentQuery Selectors

**panel**

Ext.panel instances

**panel button**

Ext.button that are descendants of Ext.Panel

**button, textfield**

buttons or textfields

**component[action]**

components based on attribute presence

**button[action="saveUser"]**

components based on attribute values

**textfield:not**

pseudo-selector not

**#usersPanel**

component based on id or itemId

**form > textfield[isValid()]**

all text fields who are direct children of a form and whose isValid method evaluates to true

### Methods

```
Ext.ComponentQuery.query( selector ) // -> Ext.Component[]
Ext.ComponentQuery.is( panel, 'panel' ) // -> boolean
Ext.container.AbstractContainer.
  .query( selector )
  .up( selector )
  .down( selector )
  .child( selector )
```

### Aliasing

```
Ext.define( 'Customer.support.SupportMessage', {
  extend: 'Ext.panel.Panel',
  alias: 'widget.supportMessage',
  ...
});
...
Ext.create( 'Ext.container.Viewport', layout: 'fit',
  items: [
    {
      xtype: 'supportMessage'
    }
  ]
});
```

### Scoping

```
Ext.bind( function, self ) // -> wrapped function
...
listeners: {
  click: {
    fn: function() { ... },
    scope: self
  },
  dblclick: function() { ... },
  scope: self2
}
```

### XTemplate

```
var bugData = [ {
  id: 1, title: 'Bug 1',
  description: 'Bug 1 Description', status: 'In progress', severity: 1
}, ... ];
var tpl = new Ext.XTemplate( '<table>',
  '<tr for="{>"',
  '<tr style="background-color:
```

```

        <tpl if="this.isHighPriority(values.severity)">pink
        <tplelse>yellow</tpl>";>',
        '<td style="background-color: {{values.status == "Complete"
        ? "green" : "transparent" }}>{{title}</td>',
        '<td>{{description}</td>',
        '</tr>',
        '</tpl>',
        '</table>',
        {
            isHighPriority: function( severity ) {
                return severity > 3;
            }
        }
    );
    tpl.overwrite( Ext.getBody(), bugData );

```

**Switch:**

```

'<tplswitch="owner">',
'<tplcase="this.currentUser">',
--
'<tpldefault>',
--

```

**Date:**

```
new Ext.XTemplate( '{date:date("Y-m-d")}' )
```

Special variables: values, parent, xindex, xcount

**Tooltips**

```
Ext.tip.QuickTipManager.init();
```

```

tooltip: {
    title: "Tooltip Header",
    text: "Tooltip Text"
}

```

**Toolbars, menus**

```

var panel = new Ext.panel.Panel({
    headerPosition: 'left',
    tools: [
        { type: 'close', handler: function() { ... } }
        // close, minimize, maximize, restore, toggle, gear, prev, next, pin, unpin,
        // right, left, down, up, refresh, plus, minus, search, save, help, print,
        // expand, collapse
    ],
    dockedItems: [{
        xtype: 'toolbar',
        dock: 'top',
        items: [
            { xtype: 'tbtext', text: 'My label' },
            { text: 'My button' }
        ]
    }],
    tbar/bbar/lbar/rbar: ['label', { xtype: 'button', text: 'Click me' } ]
});

```

- '->': Ext.toolbar.Fill
- '-': Ext.toolbar.Separator
- ' ': Ext.toolbar.Spacer

**Layouts**

**anchor** (allows anchoring the container's children according to its dimension; if you resize the outer container, all its children will be

automatically resized according to the children's anchor rules)

```
anchor: '80% -20'
```

**absolute**

```

x: 10,
y: 20,
anchor: '80% -20'

```

**hbox**

```

flex: 2 | width: 30
layout: {
    type: 'hbox',
    align: 'top' | 'middle' | 'bottom' | 'stretch' | 'stretchmax',
    pack: 'start' | 'center' | 'end'
}

```

**vbox**

```

flex: 2 | height: 30
layout: {
    type: 'vbox',
    align: 'left' | 'center' | 'right' | 'stretch' | 'stretchmax',
    pack: 'start' | 'center' | 'end'
}

```

**accordion**

```

layout: {
    type: 'accordion',
    titleCollapse: false,
    animate: true,
    multi: false
}

```

**table (HTML table)**

```

layout: {
    type: 'table',
    columns: 3,
    tableAttrs: {
        style: {
            width: '100%',
            height: '100%'
        }
    },
    trAttrs: { ... },
    tdAttrs: { .. }
},
items: [
    { rowspan: 3, colspan: 2 }
]

```

**column**

```
items: [ { columnWidth: 0.3 }, { columnWidth: 0.7 }, { width: 100 } ]
```

**card**

```
activeItem: 0
```

**border**

```

items: [
    { region: 'center' },

```

```

{ region: 'south', height: 200, split: true, collapsible: true,
  collapsed: true, animCollapse: false, collapseMode: 'mini',
  header: false }
]

```

**Grid**

```

Ext.create( 'Ext.grid.Panel', {
    store: store,
    selModel: Ext.create( 'Ext.selection.CheckboxModel' ),
    columns: [
        Ext.create( 'Ext.grid.column.RowNumberer' ),
        { xtype: 'templatecolumn', tpl: '{topic} {version}' },
        { xtype: 'booleancolumn', trueText: 'Yes', falseText: 'No' },
        { xtype: 'datecolumn', format: 'Y-m-d H:i:s' },
        { xtype: 'numbercolumn', renderer: Ext.util.Format.usMoney },
        { xtype: 'actioncolumn',
            items: [
                { icon: 'images/edit.png', tooltip: 'Edit',
                  handler: function(grid, index, colIndex) { ... } }
            ]
        }
    ]
}
)

```

**Saving component state**

```
Ext.state.Manager.setProvider( new Ext.state.LocalStorageProvider() );
```

```

var panel = Ext.create( 'Ext.panel.Panel', {
    stateful: true,
    stateId: 'my-panel'
    ...
});

```

To include new properties in state save:

```

constructor: function(config) {
    this.callParent( [config] );
    this.addStateEvents( 'titlechange' );
},
getState: function() {
    var state = this.callParent();
    state.title = this.title;
    return state;
}

```

**MessageBox**

```
Ext.Msg.alert('Status', 'Changes saved successfully.');
```

```

// Prompt for user data and process the result using a callback:
Ext.Msg.prompt('Name', 'Please enter your name:', function(btn, text){
    if (btn == 'ok'){
        // process text value and close...
    }
});
// Show a dialog using config options:
Ext.Msg.show({
    title: 'Save Changes?',
    msg: 'You are closing a tab that has unsaved changes. '
        + 'Would you like to save your changes?',
    buttons: Ext.Msg.YESNOCANCEL,
    fn: processResult,
    animateTarget: 'eId',
    icon: Ext.window.MessageBox.QUESTION
});

```