SO...HOW DO I BECOME A SERVICENOW DEVELOPER?

START BY JOINING THE SERVICENOW DEVELOPER PROGRAM!
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- ✓ FREE PERSONAL DEVELOPER INSTANCE
- ✓ ONLINE COURSES - bit.ly/freedevtraining
- ✓ API DOCS - bit.ly/sndapidocumentation
- ✓ COMMUNITY - community.servicenow.com/community/develop
- ✓ BLOGS - bit.ly/sndevblogs
- ✓ NEWSLETTER ARCHIVE - bit.ly/sndevnewsletter
- ✓ DEVELOPER EVENTS - bit.ly/sndevevents
- ✓ DEVELOPER LEARNING PLAN - bit.ly/devlearningplan

Take this! The Build My First Application Course bit.ly/myfirstappjakarta

CREATE

HERE'S YOUR HANDY DANDY CHEAT SHEET & QUICK REFERENCE

Keyboard Shortcuts in Studio

(For Windows: Use Ctrl key instead of Cmd)

Help Cmd+H	Find Next Cmd+G	Toggle Comment Cmd+/
Toggle Full Screen Ctrl+M	Find Previous Cmd+Shift+G	Scripting Assistance Ctrl+Space
Start Searching Cmd+F	Replace Cmd+E	Show Description Cmd+J
	Replace All Cmd+;	

Debugger shortcuts:

Start debugger F2	Step over next function call F8
Pause debugging SHIFT+F2	Step into next function call F7
Resume script execution F9	Step out of current function SHIFT+F8

Common APIs/Code Snippets

Create a new record in a table

```
var grIncident = new GlideRecord('incident');
grIncident.newRecord();
grIncident.short_description = 'Hello from the cheat sheet!'
grIncident.insert();
```

Get a record by ID

```
var grIncident = new GlideRecord('incident');
if(grIncident.get('incidentSysID') {
  // Do something!
  gs.log(grIncident.number + ': ' + grIncident.short_description);
}
```

Count active records using GlideAggregate

```
var gaIncCount = new GlideAggregate('incident');
gaIncCount.addQuery('active', 'true');
gaIncCount.addAggregate('COUNT');
gaIncCount.query();

var count = 0; // This will hold the final count
if (count.next()) {
  count = gaIncCount.getAggregate('COUNT');
}
```

Convert a JS Object to JSON

```
var jsonString = JSON.stringify(obj);
```

Convert a JSON string to JS Object

```
var obj = JSON.parse(jsonString);
```

Look up task records in new state

```
var grTask = new GlideRecord('task');
grTask.addQuery('state', '1');
grTask.query();

while (grTask.next()) {
  // Do something with each incident
}
```

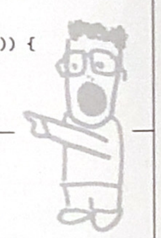
Add OR conditions to a GlideRecord query

```
var grIncident = new GlideRecord('incident');
var qc = grIncident.addQuery('state', '1'); // A or B or C
qc.addOrCondition('state', '2');
qc.addOrCondition('state', '3');
grIncident.query();

while (grIncident.next()) {
  // Do something...
}

var grIncident = new GlideRecord('incident');
grIncident.addQuery(priority, '1'); // A and (B or C)
var qc = grIncident.addQuery('state', '1');
qc.addOrCondition('state', '2');
grIncident.query();

while (grIncident.next()) {
  // Do something...
}
```



Common GlideSystem methods

```
var user = gs.getUser(); // Get current user Object
var userID = gs.getUserID(); // Get current user's ID
var userName = gs.getUserName(); // Get current user's user_name
var groups = gs.getUser().getMyGroups(); // Get current user's groups
var isMember = gs.getUser().isMemberOf(current.getValue('assignment_group')); // Check by GroupID
var isMember = gs.getUser().isMemberOf('Service Desk'); // Check by Group Name
var hasRole = gs.hasRole('itil'); // Determine if current user has 'itil' role
```

Common AngularJS Directives for usage in the HTML Template

DIRECTIVE	PURPOSE
ng-model	This directive binds an input, select, textarea (or custom form control) to the Angular Scope
ng-repeat	Iterate through a data array to e.g. build a list of records or a table
ng-show/ng-hide	Evaluate an expression to determine if an element is shown
ng-if	Evaluate an expression to determine if an element is shown (removes the element from the DOM, therefore more costly - BUT it will trigger a re-evaluation of the widget code, which can come in handy.)
ng-class	Equivalent of the CSS element "class" – could e.g. be used to assign a CSS class conditionally
ng-change	Triggered when the according element changes (e.g. ng-change="c.myChangeFunction()")
ng-include	Fetches, compiles and includes an external HTML fragment (e.g. an Angular template)
watch	AngularJS record watcher – e.g. used to do something on the client when value changes on the server

Service Portal Client Side Utilities

API	PURPOSE
spUtil	Client side only utility. Can be used for example to add Info Messages to the page – also required for recordWatch functionality. See documentation for more functions available.
addErrorMessage/ addInfoMessage	Displays a notification message of different types (requires spUtil to work – e.g. spUtil.addInfoMessage("Your order has been placed")).
recordWatch	Requires spUtil. Will watch a specific query on a defined table for updates, if an update happens you can respond to it in real-time. Usage: spUtil.recordWatch($scope, "incident", "active=true");
rootScope	The root scope element will e.g. let you broadcast an event to the rootScope of the page (allows communication between widgets). Usage: $rootScope.broadcastEvent("myEvent.name", parm1);
console (Browser)	Powerful utility available in both client and server. Can be used to "log" debug messages of for example the data object.

Service Portal Server Side Utilities

API	PURPOSE
$sp	Server side only utility. Can be used for example to get parameters from the URL, get the GlideRecord for the current Portal. See documentation for a list of all available functions.
console (Browser)	Powerful utility available in both client and server. Can be used to "log" debug messages.

9 REASONS WHY BEING A SERVICENOW DEVELOPER IS AWESOME!

- ONE OF THE HIGHEST-PAID DEV JOBS
- IN HIGH DEMAND FOR 1000+ OF THE WORLD'S TOP ENTERPRISES
- USE CUTTING-EDGE TECHNOLOGY
- DEVELOP BUSINESS-RELEVANT APPLICATIONS TO MAKE WORK LIFE EASIER
- USE INDUSTRY-STANDARD TOOLS TO DEVELOP
- COMPREHENSIVE CLIENT-SIDE AND SERVER-SIDE API DOCUMENTATION
- DEVELOP BUSINESS APPLICATIONS FOR ANY INDUSTRY
- MINIMAL EXTRA DEVELOPMENT WORK FROM DESKTOP TO MOBILE
- MAKE MONEY AND SELL YOUR APPS IN SERVICENOW APP STORE

RESOURCES!

- ServiceNow Developer Meetups
  meetup.com/pro/ServiceNowDevProgram
- ServiceNow Developer Youtube Channel
  YouTube.com/ServiceNowDevProgram
- Service Portal Resources
  github.com/service-portal/documentation
- ServiceNow Instructor-Led Application Development Training
  bit.ly/snapplicationdevelopmenttraining
- ServiceNow Application Developer Certification
  bit.ly/snappdevcertification
- ServiceNow App Store
  store.servicenow.com
- ServiceNow Share
  share.servicenow.com
- ServiceNow App Showcase
  appshowcase.service-now.com
- ServiceNow Product Lab
  bit.ly/snproductlab

LIKES? DISLIKES? QUESTIONS? FEEDBACK?

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