# SATELLITE CHEAT SHEET

# DYNAMICS | COMP SCI | LOGIC

## DYNAMICS

| Category | Action | Label (Optional) |
|---|---|---|
| top nav | %this.title% | from: %URI% |

### Dynamically insert the title and inner text for:
`<a title="link" href="/"><p>Hello</p></a>`

title = %this.title%

inner text = %target.innerHTML%

### List other variables not in the DOM:

URL path name = %URI%

URL hostname = %hostname%

### How do you set a custom variable?

In the custom script editor:
_satellite.setVar(name, value);
OR
_satellite.data.customVars.name = value

To use variables in GA events:
%name%

### How do you get or set a data element?

In the custom script editor:
_satellite.getVar('data element name')
_satellite.setVar('element name', value);

To use data elements in GA events:
%data element name%

### How do you read a cookie?

_satellite.readCookie('cookie')

### What are some other functions?

Session/Lifetime Pageviews
_satellite.visitorSessionPagesViewed();
_satellite.visitorLifetimePagesViewed();

## COMP SCI

### JS JavaScript

#### What are some shorthand JS functions?

**Standard if statement**

before:
```
if(variable==true){return true;}
else{return false;}
```

after:
```
variable==true?true:false;
```

**If object doesn't exist…**

before:
```
if (var1 !== null || var1 !==
undefined || var1 !== ")
{var var2 = var1;}
```

after:
```
var var2 = var1  || ";
```

**Setting regex variables**

before:
```
var re = new RegExp(".*","i"),
result = re.exec("string");
```

after:
```
var result = /.*/i.exec("string");
```

### jQuery

#### What are commonly used jQuery functions?

| Prefixes | Targeting | Suffixes |
|---|---|---|
| $(this) | .children('li') | .text() |
| $('#id') | .parents('img') | .html() |
| $('.class') | .closest('#id') | .val() |
| $('div') | .closest('#id') | .attr('href') |
| $('div.class') | | |

#### What are advanced jQuery selectors?

| Selectors | Function |
|---|---|
| $("[id*='contains']") | id contains string |
| $("[class$='ends']") | class ends w/string |
| $("[id^='begins']") | id begins w/string |
| $("a[title='string']") | anchors w/title=str |
| $("a[title!='string']") | a w/title doesn't=str |
| $('a:first') | select first a |
| $('ul:last li:last') | last li of last ul |
| $('ul li:first-child') | first li of every ul |
| $(':checked') | all checked boxes |
| $(':selected') | all selected inputs |

## LOGIC

### What are some other commands for Satellite?

**Enable staging library**

localStorage.setItem('sdsat_stagingLibrary', true);

**Enable Debug Mode**

_satellite.setDebug(true)

**Hide My Activity**

localStorage.setItem('hide_activity', true);

**Create Safe Console Log**

_satellite.notify('text to display',
[importance '1-5'])

### What are commonly used Regular Expression methods?

| Method | Action |
|---|---|
| . | match any character in this position |
| ^ | string begins with… |
| $ | string ends with… |
| [] | match 1 character in brackets |
| - | define character or number range |
| ? | match preceding character 0 or 1 times |
| * | match preceding char. 0 or more times |
| + | match preceding char. 1 or more times |
| {x} | match preceding char. x times |
| {x,y} | match preceding char. b/w x and y times |
| () | groups regex parts |
| \| | value on left OR right |
| \ | escapes regex chars. |