**SWAF markup language**

SWAF is a markup language used to write graphical web application for cross platforms it embody into HTML file also it have its own tags and properties no need any special software and environment it is run on browser just must be reference SWAF.js compiler and start writing SWAF code SWAF elements are suitable for Smartphones and Tablets also every element contain Touch events it mean when you will wrote web application via SWAF this application work on all platforms like Android, IOS, windows, blackberry …..etc.

**How to using this markup language?**

It have own compiler you should be reference the compiler source then add ezzat tag into the body tag and write the swaf tags inside ezzat tag like below code

**<!DOCTYPE html>**

**<html>**

**<head>**

**<script src="SWAF.js"></script>**

**<link rel="stylesheet" href="dark.css">**

**</head>**

**<body>**

**<ezzat >**

**<!—Write SWAF tags in this area 🡪**

**</ezzat>**

**</body>**

**</html>**

Also if you want use theme should be reference theme source file and set the theme name to t property in ezzat tag for this example I used dark theme

Warning! Avoid using class property because it is not working only you can specified elements via ID property

**NOTE! SWAF is case sensitive Markup language do difference between CAPITAL And SMALL**

**NOTE! Please when you use swaf put IMG folder and swaf.js compiler into on destination then reference swaf.js file**

Theme Templet // if you want write your own theme we are prepared the template you can just modify the codes as you want also we commented the codes possible to modify inside Theme-templet.css file on **Bug** folder

**How to write your custom theme?**

Answer - when you try to write your own theme follow that phrases

\* replace your theme name with the end of the element class names

For example in this example I want write my own theme with AVIN name

.SWAF\_N\_BTN\_THEME\_AVIN,

.SWAF\_A\_BTN\_THEME\_AVIN

Also do this for all elements

Note// the theme name should be CAPITAL like AVIN not avin

\* uncomment the css properties and set your favorite value

\*when you write your own Theme then references your theme file as CSS file

And set the value of T or Theme property inside ezzat tag as your theme name like this example

And put the theme you was created to themes folder

<!DOCTYPE html>

<html>

<head>

<script src="../src/swaf.js"></script>

<link rel="stylesheet" href="../themes/AVIN.css">

</head>

<body>

<ezzat t="AVIN" >

</ezzat>

</body>

</html>

\* save the file with your theme name

like AVIN.CSS

**SWAF Markup language Tutorial**

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| --- | --- | --- | --- | --- |
| **TAG** | Property | Value | Using | Description |
| Ezzat | T or Theme | Dark , Light..etc | <ezzat T=”DARK”></ezzat> | You can write custom theme then set this theme to your application we have the theme templet you can just modify as you want |
| P or Position | Fixed, absolute , relative,  STATIC,  blockline | <ezzat P=” absolute”></ezzat> | Fixed ,absolute ,relative ,static are HTML posting value BLOCKLINE I added represent each element per line |
| TLT or TITLE | Anything | <ezzat TLT=” MYtitle”></ezzat> | Set the title to project |
| ICON or I | Image Source | <ezzat I=” ezzat.PNG”></ezzat> | Set the icon to project |
| JSF or JAVASCRIPTFILE | JS file source | <ezzat JSF=” ezzat.js”></ezzat> | Import external JavaScript file into project  If u have more than one file should be sorted them by number like JSF1=”FIRST.JS”  JSF2=”SECON.JS” ……ETC |

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| **TAG** | Property | Value | Using | Description |
| **NL**  **or Ezzat.NEWLINE** | V or Value | number | <nl v=”10”></nl> | Breaking the line goes to new line also u can instead of using 9 time nl tag set the value property to 9 it breaking 9 time automatically |

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| **TAG** | | Property | Value | Using | Description | |
| **BTN**  **Or Ezzat.Button** | | V or Value | anything | <btn v=”button 1”></btn> | Set the value to button (text appear on the button ) | |
| X or Left | number | <btn x=”40”></btn> | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and left of the screen | |
| Y or Top | number | <btn y=”40”></btn> | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and top of the screen | |
| W or Width | number | <btn w=”40”></btn> | Set the Width to project | |
| H or Height | number | <btn h=”40”></btn> | Set Height to elements | |
| IDENTIFY or ID | anything | <btn id=” myElement” ></btn> | Set the Id to element | |
| T or Type | | (A or NCHRO)  OR  (N or Normal) | <btn t=”n”></btn> | Specify the type of button if u set type to a the button become a normal button used to interactive in the same page else u set the type to a the button become a anchro button  Used to navigate between pages |
| Ref or Reference | | Source HTML page | <btn t=”a” ref=”home.html”></btn> | If u set type A it work used to file u linked with this button |
| R or Radius | | number | <btn R=”40”></btn> | Set the border radius to element |
| BGC or BACKGROUNCOLOR | | HEX or Name | <btn bgc=”black”></btn> | Set the background color to element |
| C or Color | | HEX or Name | <btn c=”yellow”></btn> | Set the color to element |

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| **TAG** | | Property | Value | Using | Description | |
| **TXT**  **Or Ezzat.TEXTBOX** | | V or Value | anything | <txt v=”TextBox”></txt> | Set the value to textbox (text appear on the textbox ) | |
| X or Left | number | <txt x=”40”></txt> | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and left of the screen | |
| Y or Top | number | <txt y=”40”></txt> | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and top of the screen | |
| W or Width | number | <txt w=”40”></txt> | Set the Width to project | |
| H or Height | number | <txt h=”40”></txt> | Set Height to elements | |
| IDENTIFY or ID | anything | <txt id=” myElement” ></txt> | Set the Id to element | |
| T or Type | | (A or Area)  OR  (N or Normal)  OR (P or Password)  OR(S or Search) | <txt t=”s”></txt> | Specify the type of textbox  What u want TextArea OR Search , or Password Or Normal textbox try all of them |
| Ref or Reference | | Source HTML page | <txt t=”a” ref=”home.html”></txt> | If u set type A it work used to file u linked with this button |
| R or Radius | | number | <txt R=”40”></txt> | Set the border radius to element |
| BGC or BACKGROUNCOLOR | | HEX or Name | <txt bgc=”black”></txt> | Set the background color to element |
| PLCH or PlaceHolder | | Anything | <txt plch=”Search”></txt> | Set the non clear text to the element whene you touched it will be removed |
| RO or Rows | | number | <txt t=’a’ ro=’10’></txt> | It work when u use Area text type it set the rows to Text area |
| CL or COLOMS | | number | <txt t=’a’ cl=’10’></txt> | It work when u use Area text type it set the coloms to Text area |
| C or Color | | HEX or Name | <txt c=”yellow”></txt> | Set the color to element |

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| **TAG** | | Property | Value | Using | Description | |
| **SLD**  **Or Ezzat.SLIDER** | | V or Value | number | <sld v=”3”></sld> | Set the value to element | |
| X or Left | number | <sld x=”40”></sld> | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and left of the screen | |
| Y or Top | number | <sld y=”40”></sld> | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and top of the screen | |
| W or Width | number | <sld w=”40”></sld> | Set the Width to project | |
| IDENTIFY or ID | anything | <sld id=”myElement” ></sld> | Set the Id to element | |
| ALG or Align | | (V or VERTICAL)  OR  (H or HORIZENTAL ) | <sld alg=”h”></sld> | Set the align of element |

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| **TAG** | | Property | Value | Using | Description | |
| **STH**  **Or Ezzat.SWITCH** | | STS or STATUS | ON or OFF | < sth sts=”on”></ sth > | Set the status to element | |
| X or Left | number | < sth x=”40”></ sth > | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and left of the screen | |
| Y or Top | number | < sth y=”40”></ sth > | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and top of the screen | |
| IDENTIFY or ID | anything | <sth id=”myElement” ></ sth > | Set the Id to element | |
| ALG or Align | | (V or VERTICAL)  OR  (H or HORIZENTAL ) | <sth alg=”h”></sth> | Set the align of element |

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| **TAG** | | Property | Value | Using | Description |
| **CHB**  **Or Ezzat.CHECKBOX** | | TXT or TextValue | anything | <chb v=”3”></chb> | Set the text value to element (text appear beside element) |
| X or Left | number | <chb x=”40”></chb> | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and left of the screen |
| Y or Top | number | <chb y=”40”></chb> | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and top of the screen |
| IDENTIFY or ID | anything | <chb id=”myElement” ></chb> | Set the Id to element |
| Bgc or Backgroundcolor | | Hex or name | <chb bgc=”#fff”></chb> | Set the background color to text value beside the element |
| C or color | | Hex or name | <chb c=”#fff”></chb> | Set the color to text value beside the element |

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| **TAG** | | Property | Value | Using | Description | |
| **RDB**  **Or Ezzat.RADIO** | | TXT or TextValue | anything | <rdb v=”3”></rdb> | Set the text value to element (text appear beside element) | |
| X or Left | number | <rdb x=”40”></rdb> | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and left of the screen | |
| Y or Top | number | <rdb y=”40”></rdb> | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and top of the screen | |
| IDENTIFY or ID | anything | <rdb id=”myElement” ></rdb> | Set the Id to element | |
| Bgc or Backgroundcolor | | Hex or name | <rdb bgc=”#fff”></rdb> | Set the background color to text value beside the element |
| C or color | | Hex or name | <rdb c=”#fff”></rdb> | Set the color to text value beside the element |
| GN or GroupName | | Anything | <rdb gn=”group1”></rdb> | Set the group name to radio buttons |

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| **TAG** | | Property | Value | Using | Description | |
| **NTF Or Ezzat.NOTIFICATION** | | V or Value | anything | <ntf v=”+21”></ ntf > | Set the value to the element (text appear on the element ) | |
| X or Left | number | < ntf x=”40”></ ntf > | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and left of the screen | |
| Y or Top | number | < ntf y=”40”></ ntf > | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and top of the screen | |
| W or Width | number | < ntf w=”40”></ ntf > | Set the Width to project | |
| H or Height | number | < ntf h=”40”></ ntf > | Set Height to elements | |
| IDENTIFY or ID | anything | < ntf id=” myElement” ></ ntf > | Set the Id to element | |
| R or Radius | | number | < ntf R=”40”></ ntf > | Set the border radius to element |
| BGC or BACKGROUNCOLOR | | HEX or Name | < ntf bgc=”black”></ ntf > | Set the background color to element |
| C or Color | | HEX or Name | < ntf c=”yellow”></ ntf > | Set the color to element |

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| **TAG** | | Property | Value | Using | Description | |
| **HED**  **Or**  **Ezzat.HEADER** | | V or Value | anything | <hed v=”welcome”></ hed > | Set the value to element (text appear on the element ) | |
| X or Left | number | < hed x=”40”></ hed > | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and left of the screen | |
| Y or Top | number | < hed y=”40”></ hed > | Every elements starting from the left-Top of the screen by set Y you can specify the distance between element and top of the screen | |
| W or Width | number | < hed w=”40”></ hed > | Set the Width to project | |
| H or Height | number | < hed h=”40”></ hed > | Set Height to elements | |
| IDENTIFY or ID | anything | < hed id=” myElement” ></ hed > | Set the Id to element | |
| R or Radius | | number | < hed R=”40”></ hed > | Set the border radius to element |
| BGC or BACKGROUNCOLOR | | HEX or Name | < hed bgc=”black”></ hed > | Set the background color to element |
| C or Color | | HEX or Name | < hed c=”yellow”></ hed > | Set the color to element |
| TXTP or TEXTPOSITION | | Left or center | < hed txtp=”center”></ hed > | Set the position for content of the header |

**Every Elements Have That TouchEvents**

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| **Event Name** | **Using** | **Description** |
| **START or TOUCHSTART** | < btn start=”FunctionName();”>  </ btn > | Triggers when the user makes contact with the touch surface and creates a touch point inside the element the event is bound to. |
| **END OR TOUCHEND** | < btn end=”FunctionName();”>  </ btn >> | Triggers when the user removes a touch point from the surface. It fires regardless of whether the touch point is removed while inside the bound-to element, or outside, such as if the user's finger slides out of the element first or even off the edge of the screen. |
| **MOVE OR TOUCHMOBE** | < btn move=”FunctionName();”>  </ btn > | Triggers when the user moves the touch point across the touch surface |
| **CANCEL OR TOUCHCANCEL** | < btn cancel=”FunctionName();”>  </ btn > | Triggers when the touch point no longer registers on the touch surface. This can occur if the user has moved the touch point outside the browser UI or into a plugin, for example, or if an alert modal pops up. |