

# Maru Platform

## Html 내부 구조

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
  <div data-role="page" id="page-aaaa" data-page="aaaa">
    <div data-role="top"></div> <!-- 화면 윗부분 디자인-->
    <div data-role="body" id="aaaa-body">
      <div data-role="content" id="aaaa_111" data-loc="aaaa">

        <!-- 가운데 화면 디자인-->

      </div>
    </div>
    <div data-role="botton"></div> <!-- 화면 아랫부분 디자인-->
  </div>
</body>
</html>
```

- \* top, botton은 다른 임의의 단어로 교체가능
- \* <div data-role="top"></div> 삭제 가능
- \* assets -> html -> layout.js에 등록

\* aaaa 와 bbbbbb 는 각 한 화면을 나타냄

## assets 파일 구조

```
↓ assets
  ↓ form
    → css
    → fonts
    ↓ html
      ↓ aaaaa
        aaaaa.top.html
        aaaaa.botton.html
        aaaaa_222.html
      ↓ bbbbbb
        bbbbbb.left.html
        bbbbbb.right.html
        bbbbbb_111.html
        bbbbbb_222.html
      aaaaa.html
      layout.js
    ↓ marujjs
      ↓ aaaaa
        WebApp_aaaaa.js
        WebApp_aaaaa_111.js
        WebApp_aaaaa_222.js
      ↓ bbbbbb
        WebApp_bbbbbb.js
        WebApp_bbbbbb_111.html
        WebApp_bbbbbb_222.html
    ↓ source
      → js
      → maru
```

- \* source ← 그림파일 모음
- \* js ← JQuery 모음

# Android Maru -- 1. MainActivity.java의 구조

## MainActivity.java

```
public partial class ActiveForm : Form
{
    private static WebApp mMaruApp = null;
    public static Context mContext;
    public static WebView m_WebView = null;

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        .
        .
        m_WebView = findViewById(R.id.WebView);
        .
        .
        mMaruApp = new WebApp(m_WebView);
        mMaruApp.WebViewSet("form/html/aaaaa.html");
    }
}
```

## PRJ 파일 구조

```
↓ main
→ ClassBundle
  ↓ WebAppInterface
    WApp_aaaaa.java
    WApp_bbbbb.java
    WebApp.java
→ assets
MainActivity.java
```

# Android Maru -- 2. WebApp.java의 구조

## WebApp.java

```
public class WebApp
{
    WebView m_WebView = null;
    MainActivity mActive = null ;
    public ChromiumWebBrowser browser = null;

    private WApp_aaaaa wa_aaaaa = null;
    private WApp_bbbbb wa_bbbbb = null;

    public WebApp(WebView _web_view) {
        mActive = ((MainActivity)MainActivity.mContext) ;
        m_WebView = _web_view;
    }
    public void WebViewSet (String File)
    {
        browser = _WebBrowser;

        mActive.Controls.Add(browser);

        browser.BrowserSettings = browserSettings;

        wa_aaaaa = new WApp_aaaaa (this, mActive);
        wa_bbbbb = new WApp_bbbbb (this, mActive);
        m_WebView. addJavascriptInterface(wa_aaaaa, "Maru_aaaaa");
        m_WebView. addJavascriptInterface(wa_bbbbb, "Maru_bbbbb");

        m_WebView.loadUrl("file:///android_asset/" + File);
    }
}
```

# Android Maru -- 3. Button의 동작 흐름

html

```
<p class="SYS-BTN-TOUCH" ></p>
```

WebApp\_aaaaa.js or WebApp\_aaaaa\_xxx.js

```
var add_Evnt = {  
  "btn": {  
    "TOUCH": {  
      Request: function (e, PageBlock) {  
        Maru_aaaaa.btn_TOUCH_CLICK();  
      },  
    },  
  },  
};
```

WApp\_aaaaa.java

```
@JavascriptInterface  
public void btn_TOUCH_CLICK ()  
{  
    .  
    .  
    .  
}
```

# Android Maru -- 4. javascript <--> java

html

```
<div id="SYS-CMODAL-CONFIRM" class="modal">  
.  
</div>
```

WebApp.site.js

```
var ConfirmModal = {  
    confirmBox: function (view, kinds, message) {  
  
        dialog.modal('show');  
    },  
  
}
```

WebApp.java

```
public void OpenModal(String _sModal, String _sName, String _sMessage)  
{  
    synchronized(mActive.m_ObjSyn) {  
        m_WebView.post(new Runnable() {  
            String sModal = _sModal.toLowerCase();  
            String Other;  
            @Override  
            public void run() {  
                Other = "ConfirmModal." + sModal + "Box('show', '" + _sName + "', '" + _sMessage + "')";  
                m_WebView.evaluateJavascript("javascript:" + Other, new ValueCallback<String>() {  
                    @Override  
                    public void onReceiveValue(String s) {  
                        if (s == null || s.isEmpty() || s.indexOf("null") < 0) {  
                            Log.w("selectBtn : ", s);  
                        }  
                    }  
                });  
            }  
        });  
    }  
}
```