TIZEN WebApp

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목차

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Web Simulator 환경구축

- Google Chrome 설치
  - ✓ Google-chrome-stable 설치

```
$ sudo apt-get install google-chrome-stable
```

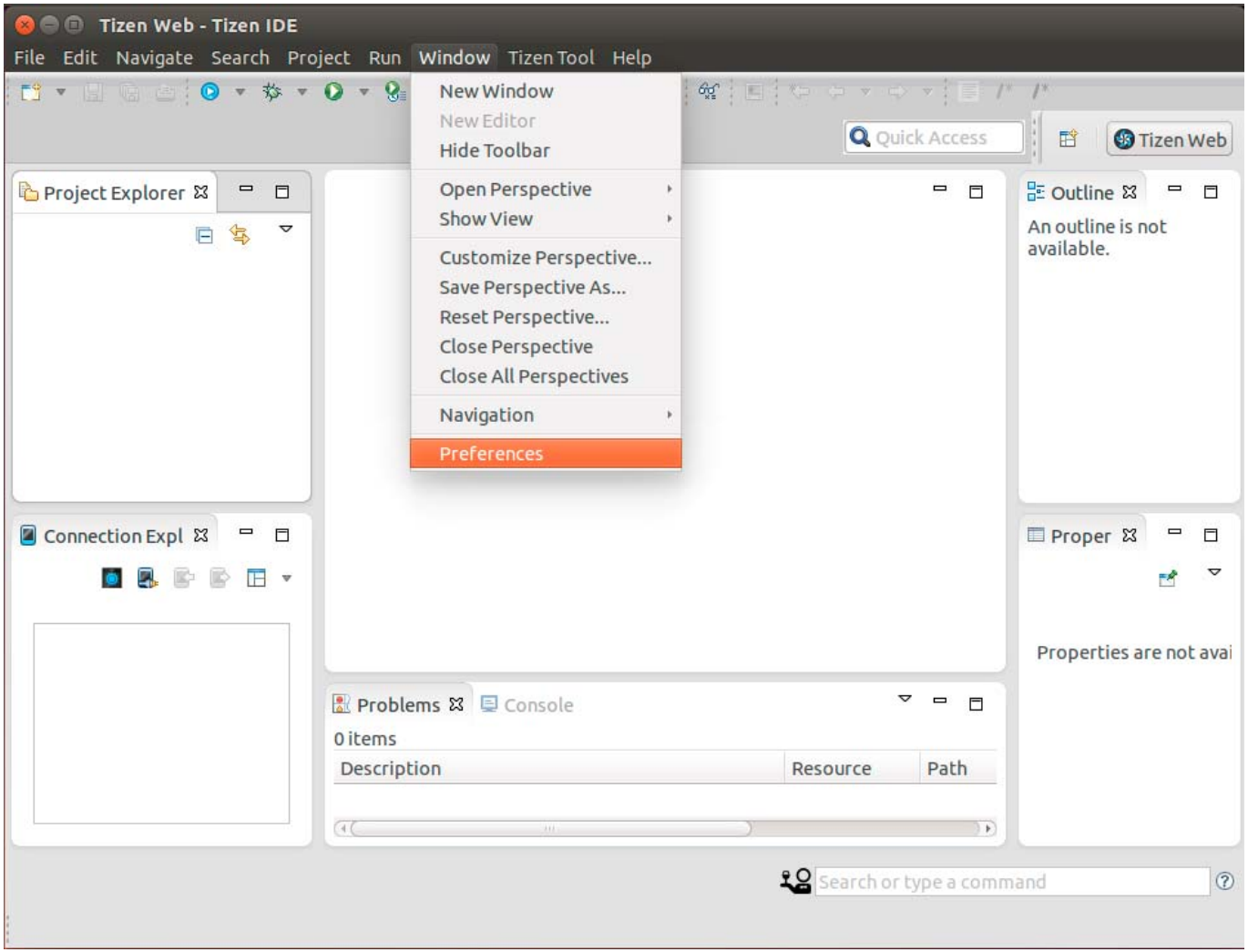
  - ✓ 설치후 버전확인

```
$ google-chrome -version
```

```
choeyongjae@ubuntu:~$ google-chrome -version
Google Chrome 49.0.2623.108
```

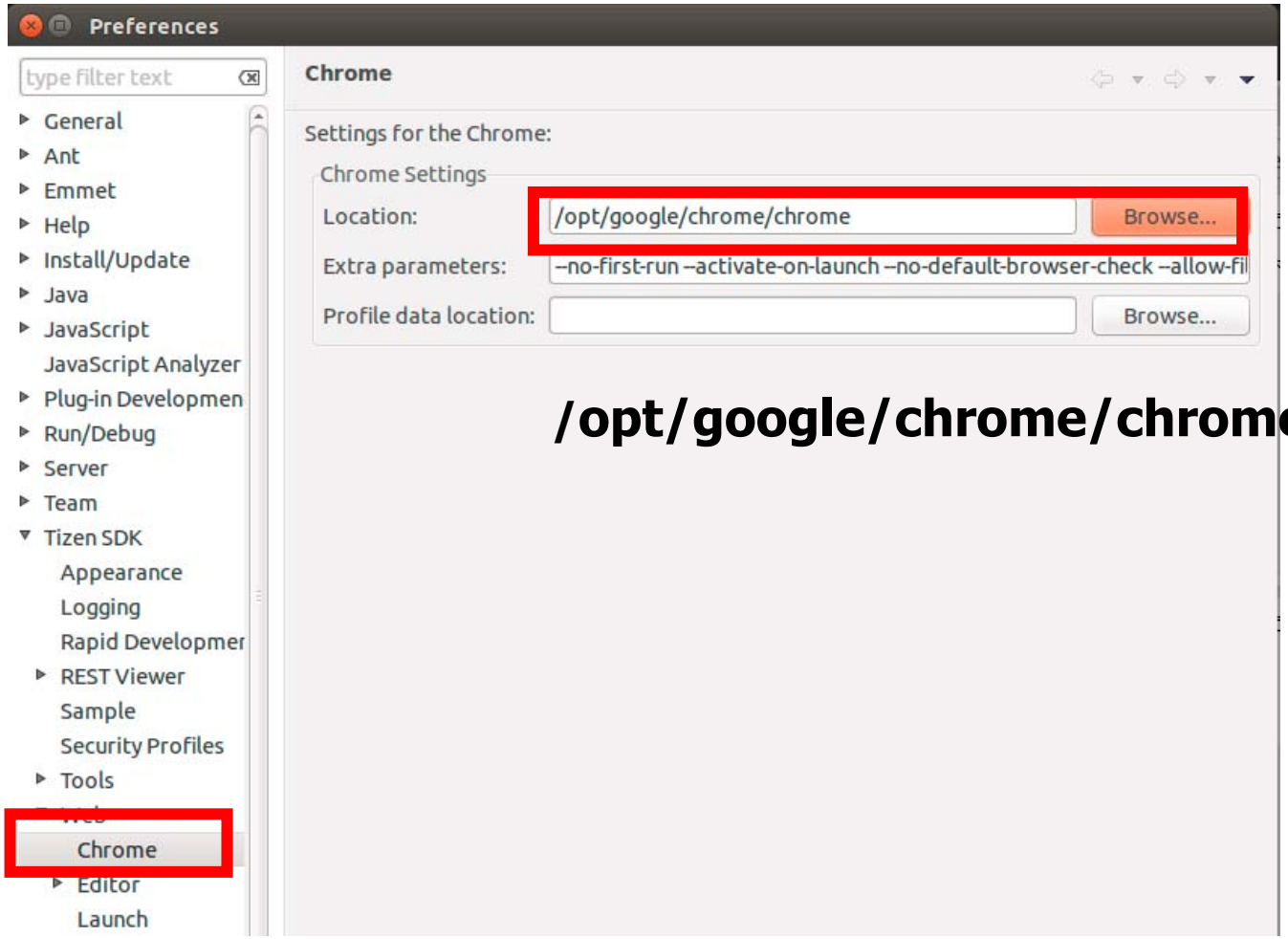
Web Simulator 환경구축

- Window > Preferences



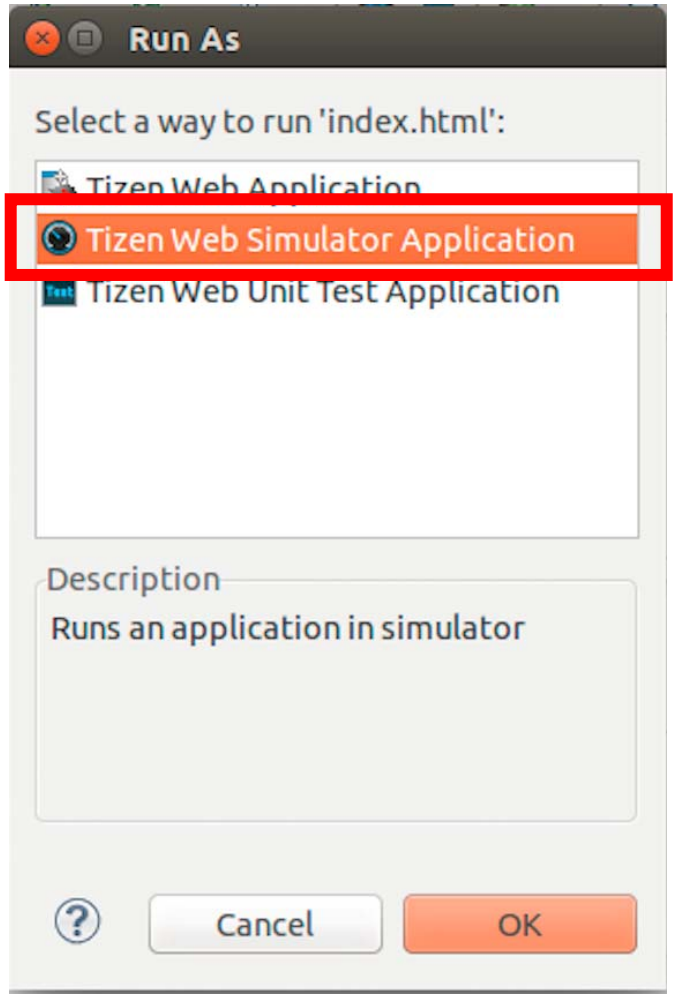
Web Simulator 환경구축

- Tizen SDK > Web > Chrome > Location 설정



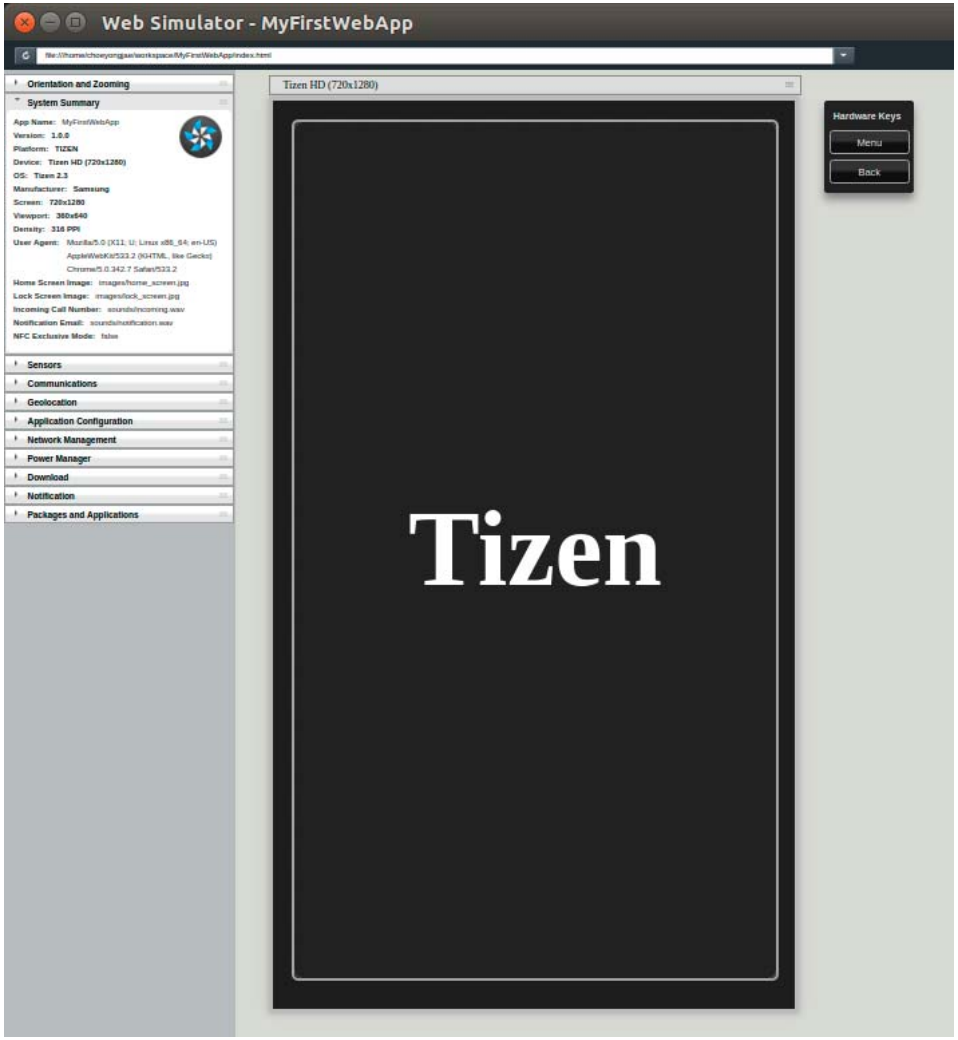
Web Simulator 환경구축

- 애플리케이션 실행시
  - ✓ Run As > Tizen Web Simulator Application 선택

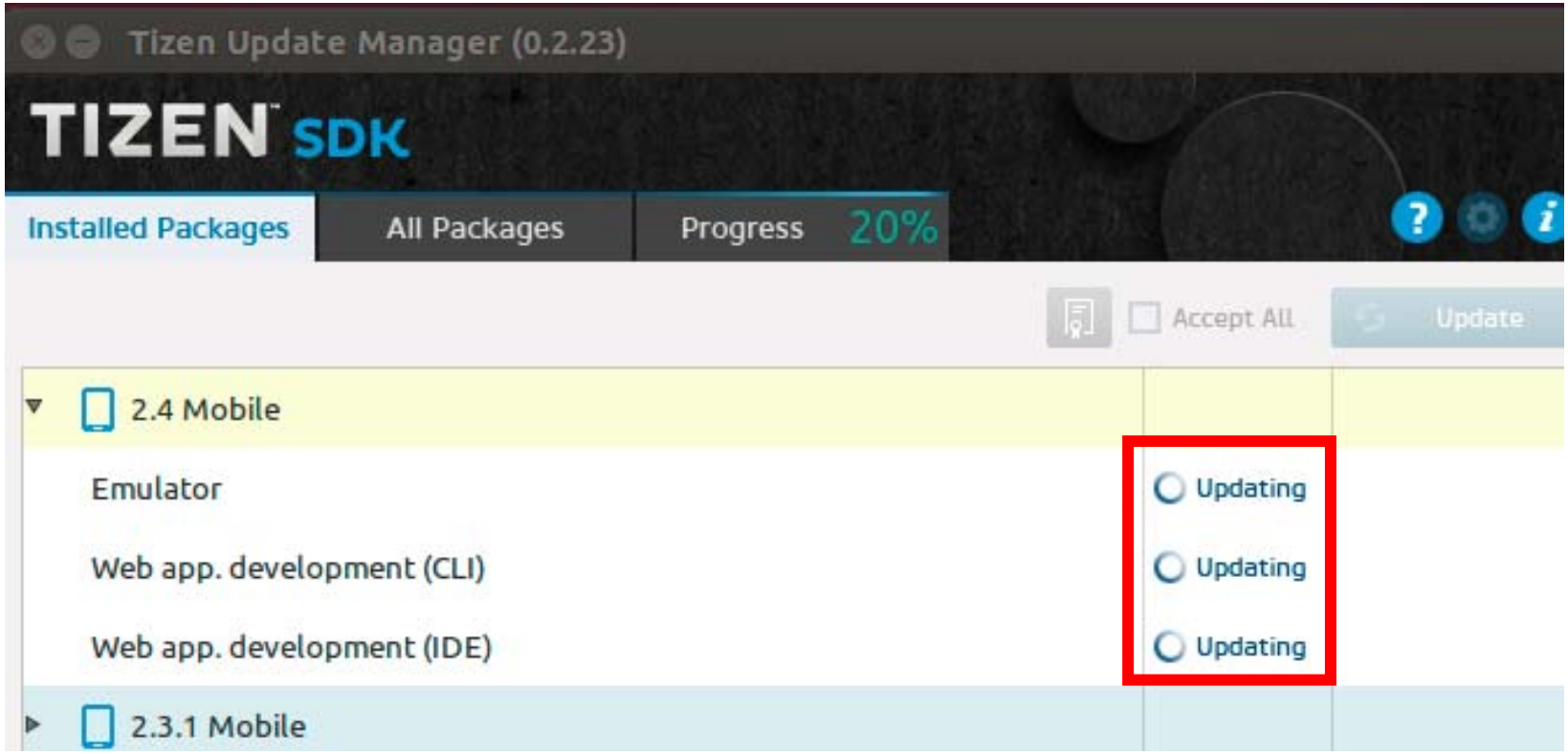


Web Simulator 환경구축

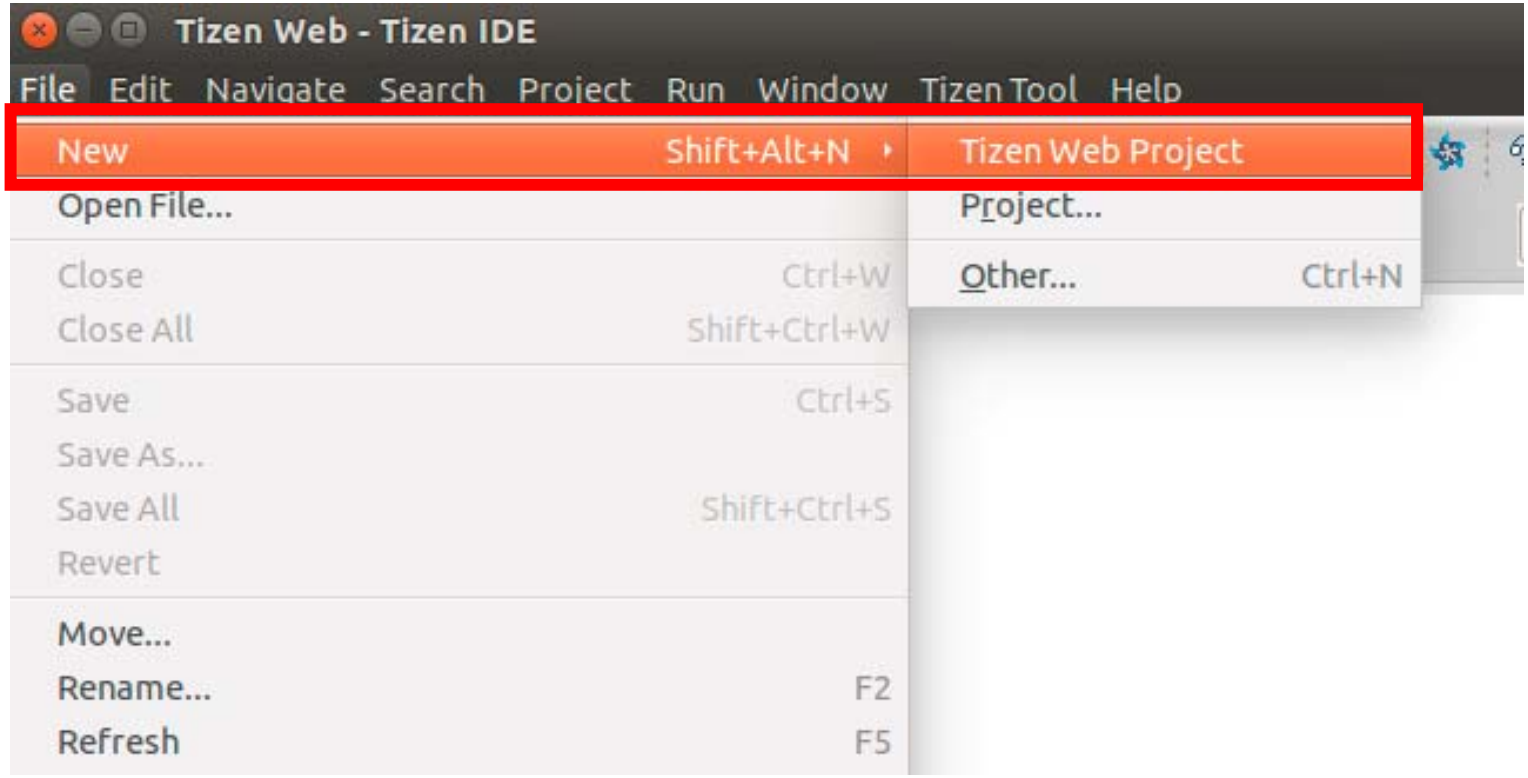
- Web Simulator 실행화면



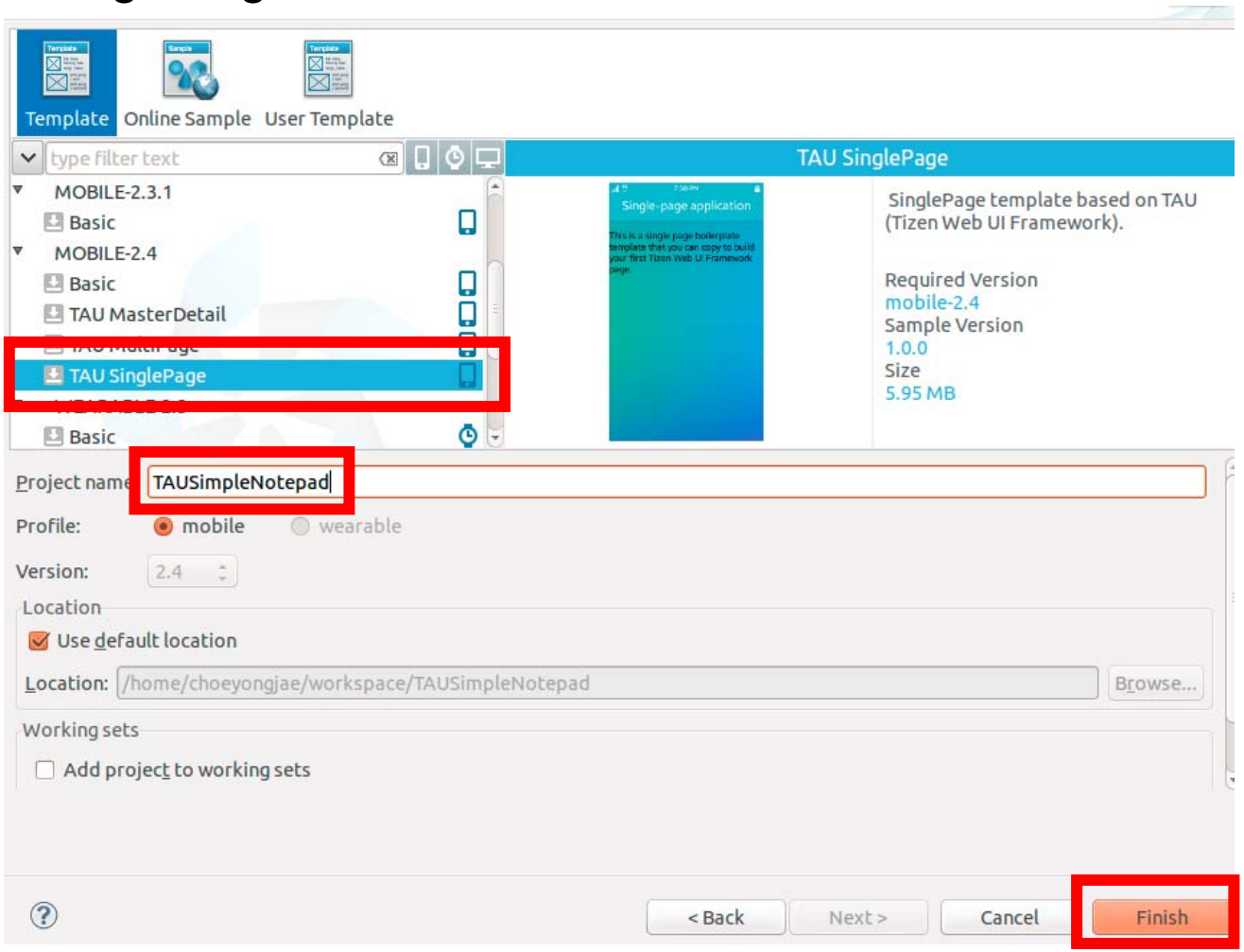
- Tizen SDK 업데이트
  - ✓ Tizen Update Manager를 통해 2.4 Mobile Packages 업데이트



- Tizen Web Project 생성
  - ✓ New > Tizen Web Project



- Tizen Web Project 생성
  - ✓ TAU SinglePage 선택후 finish



- index.html 작성
  - ✓ <head> 코드 작성

```
<meta charset="utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0">
<meta name="description" content="Tizen basic template generated by Tizen Web IDE"/>
```

  - ✓ <Title> 작성

```
<title>Notepad</title>
```

- index.html 작성
  - ✓ tau.css 적용

```
<link rel="stylesheet" type="text/css" href="lib/tau/mobile/theme/default/tau.min.css"/>
```

  - ✓ 사용자 css 스타일 추가

```
<link rel="stylesheet" type="text/css" href="css/style.css"/>
```

- index.html 작성
  - ✓ 작성된 <head>

```
<head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0">
    <meta name="description" content="Tizen basic template generated by Tizen Web IDE"/>

    <title>Notepad</title>

    <!--Use 'mobile' or 'wearable' to choose the device TAU profile-->
    <link rel="stylesheet" type="text/css" href=lib/tau/mobile/theme/default/tau.css"/>
    <link rel="stylesheet" type="text/css" href="css/style.css"/>

</head>
```

- index.html
  - ✓ 페이지 만들기
    - 메인 페이지 제목

```
<div id="main" class="ui-page">
   <header class="ui-header">
     <h1>Notes</h1>
   </header>
 </div>
```

    - 메인 페이지 메모 리스트

```
<div class="ui-content" data-scroll="y" data-handler="true">
  <ul class="ui-listview" id="notesList”></ul>
 </div>
```

- index.html
  - ✓ 페이지 만들기
    - 메인 페이지 새 메모 버튼

```
<div class="ui-footer">
   <a class="ui-btn" href="javascript:void()" id="newBtn">New
note</a>
 </div>
```

- index.html
  - ✓ 페이지 만들기
    - 메모 작성 페이지

```
<div class="ui-page" id="editor">
   <div class="ui-header">
     <h1>Editor</h1>
   </div>
   <div class="ui-content">
     <textarea id="editorField" placeholder="enter note"></texta
rea>
   </div>
   <div class="ui-footer">
     <a href="javascript:void()" id="saveBtn">Save</a>
   </div>
 </div>
```

- index.html
  - ✓ TAU Library source 추가

```
<script src="lib/jquery.js"></script>
<script type="text/javascript" src="lib/tau/mobile/js/tau.js" data-build-remove="false"></script>
 <script src="js/main.js"></script>
```

- index.html
  - ✓ 작정된 <body>

```
<body>

    <div class="ui-page" id="main">
    <div class="ui-header" data-position="fixed">
       <h1>Notes</h1>
    </div>
    <div class="ui-content" data-scroll="y" data-handler="true">

       <ul class="ui-listview" id="notesList"></ul>
    </div>
    <div class="ui-footer">
       <a class="ui-btn" href="javascript:void()" id="newBtn">New note</a>
    </div>
</div>
<div class="ui-page" id="editor">
    <div class="ui-header">
       <h1>Editor</h1>
    </div>
    <div class="ui-content">
       <textarea id="editorField" placeholder="enter note"></textarea>
    </div>
    <div class="ui-footer">
       <a href="javascript:void()" id="saveBtn">Save</a>
    </div>
</div>
<script src="lib/jquery.js"></script>
<script type="text/javascript" src="lib/tau/mobile/js/tau.js" data-build-remove="false"></script>
<script src="js/main.js"></script>
</body>
```

- Css/style.css 작성

```
a {
   color: #FFF;
 }
 #notesList.ui-listview
 {
   width: 100%;
 }
 #notesList.ui-listview li
 {
   margin: 0;  white-space: nowrap;
 }
 #notesList.ui-listview li .ui-inline
{
   position: absolute;
   right: 5px;    top: 5px;
}
…
```

- Css/style.css 작성

```
...
#notesList.ui-listview li .ui-swipe-item-cover-inner
 {
    text-overflow: ellipsis;
    overflow: hidden;
 }
 #editor .ui-scrollview-view
{
    height: 100%;
}
 #editor textarea
{
    height: 95%;
    width: 100%;
}
```

- main.js 작성
  - ✓ EventListener 작성

```
document.addEventListener("DOMContentLoaded", function ()   {
        'use strict'
        ....
        function init()      {
         showNotes();
         events();
   }
        init();
},false);
```

- main.js 작성
  - ✓ 사용 변수 선언

```
var newBtn = document.getElementById('newBtn'),
        saveBtn = document.getElementById('saveBtn'),
        editorField = document.getElementById('editorField'),
        notesList = document.getElementById('notesList'),
        editorPage = document.getElementById('editor'),
        mainPageId = '#main',
        editorPageId = '#editor',
        currentIndex = null,
        EMPTY_CONTENT = '(empty)',
        STORAGE_KEY = 'notepad';
```

- main.js 작성
  - ✓ 함수 작성
    - getStorage

```
function getStorage(key)      {
        return
            JSON.parse(window.localStorage.getItem(key)) || false;
    }
```

    - addStorage

```
function addStorage(data)      {
        window.localStorage.setItem(STORAGE_KEY,
                                    JSON.stringify(data));
    }
```

- main.js 작성
  - ✓ 함수 작성
    - getCurrentPageId

```
function getCurrentPageId()      {
        return $('.ui-page:visible')[0].id;
    }
```

    - refreshCurrentPage

```
function refreshCurrentPage()      {
        $('#' + getCurrentPageId()).trigger('create');
    }
```

- main.js 작성
  - ✓ 함수 작성
    - getNotes

```
function getNotes()      {
        return getStorage(STORAGE_KEY) || [];
    }
```

    - clearNotesList

```
function clearNotesList()      {
        notesList.innerHTML = '';
    }
```

- main.js 작성
  - ✓ 함수 작성
    - deleteNote

```
function deleteNote(index)      {
        var notes = getNotes();
        if (notes[index] !== undefined)
        {
           notes.splice(index, 1);
           addStorage(notes);
        }
           else {
          console.error('deleteNote: note not found');
        }
        showNotes();
        refreshCurrentPage();
       event.stopPropagation();
    }
```

- main.js 작성
  - ✓ 함수 작성
    - editNote

```
function editNote(index)      {
        var notes = getNotes();
        if (notes[index] !== undefined)
        {
          currentIndex = index;
          editorField.value = getNotes()[index];
          tau.changePage(editorPageId);
        }
        else {
          console.error('editNote: note not found');
          showNotes();
          refreshCurrentPage();
        }
      }
```

- main.js 작성
  - ✓ 함수 작성
    - showNotes

```
function showNotes()      {
        var notes = getNotes(),
            notesLen = notes.length,
            li = {},
            swipeCover = {},
            swipeItem = {},
            deleteBtn = {},
            i = 0,
            notesListInst;
        clearNotesList();
        for (i; i < notesLen; i += 1)        {
          li = document.createElement('li');
           li.addEventListener('click', editNote.bind(this, i), false);
           ...
```

- main.js 작성
  - ✓ 함수 작성
    - showNotes

```
        …
        deleteBtn = document.createElement('button');
        deleteBtn.className('ui-btn');
        deleteBtn.setAttribute('data-inline', 'true');
        deleteBtn.innerText = 'Delete';
        deleteBtn.addEventListener('click', deleteNote.bind(this, i),
                                                              false);
        li.innerText = notes[i].replace(/\n/g, ' ') || EMPTY_CONTENT;
        li.appendChild(deleteBtn);
        notesList.appendChild(li);
        notesListInst = tau.widget.getInstance(notesList);
        tau.widget.Button(deleteBtn);
        notesListInst.refresh();
    }     }
```

- main.js 작성
  - ✓ 함수 작성
    - clearEditor

```
function clearEditor()      {
        editorField.value = '';
    }
```

    - saveNote

```
function saveNote()      {
        var notes = getNotes();
        if (currentIndex !== null) {
          notes[currentIndex] = editorField.value;
        }
          else  {
          notes.push(editorField.value);
        }
          ...
```

- main.js 작성
  - ✓ 함수 작성
    - saveNote

```
        ...
        addStorage(notes);
        clearEditor();
        showNotes();
        tau.changePage(mainPageId);
    }
```

    - newNote

```
function newNote()      {
        currentIndex = null;
        clearEditor();
        tau.changePage(editorPageId);
    }
```

- main.js 작성
  - ✓ 함수 작성
    - saveNote

```
        …
      addStorage(notes);
      clearEditor();
      showNotes();
      tau.changePage(mainPageId);
    }
```

    - newNote

```
function newNote()     {
      currentIndex = null;
      clearEditor();
      tau.changePage(editorPageId);
    }
```

- main.js 작성
  - ✓ 함수 작성
    - onEditorPatgeShow

```
function onEditorPageShow()      {
        editorField.focus();
    }
```

    - events

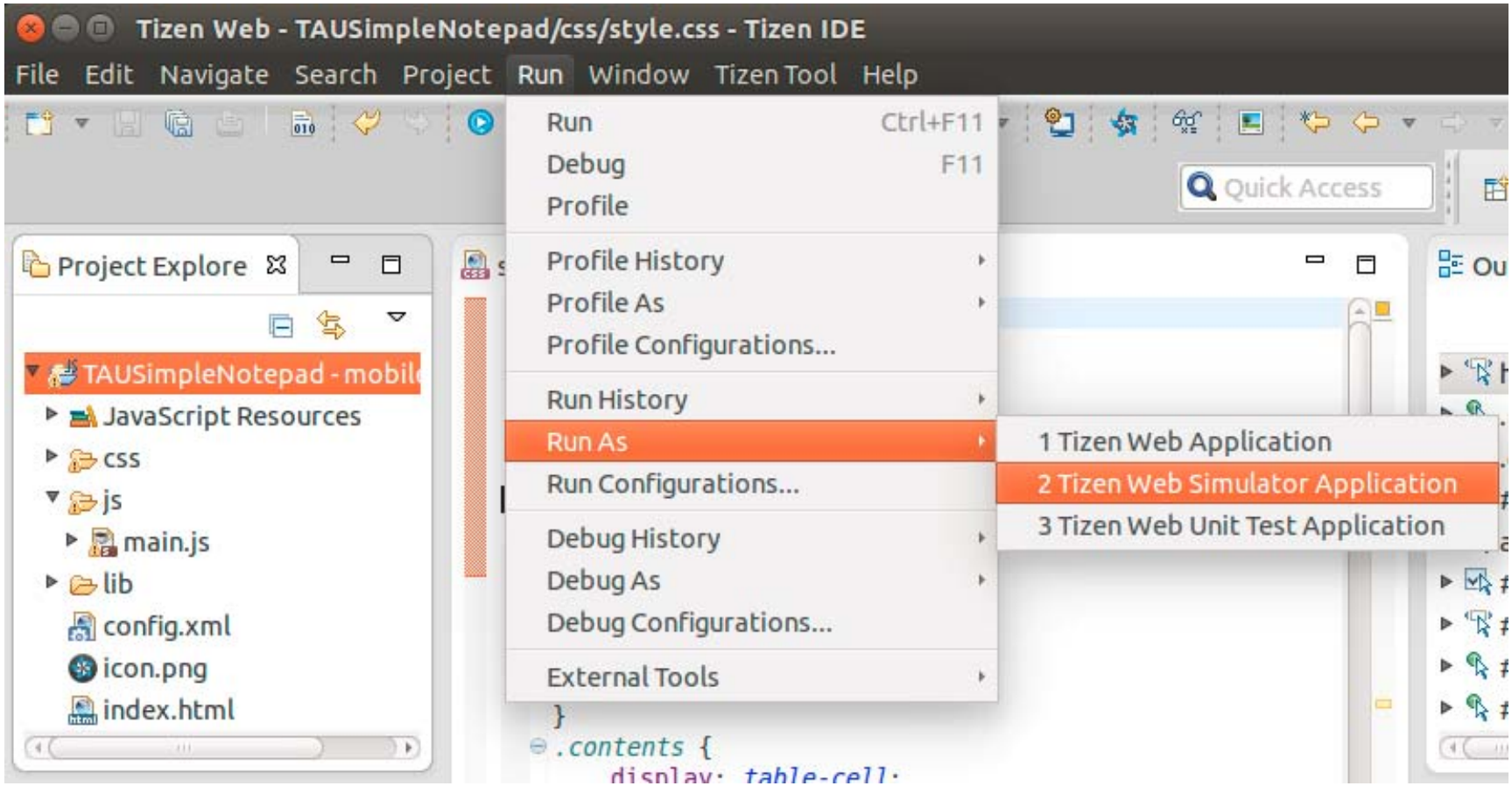
```
function events()      {
        newBtn.addEventListener('click', newNote);
        saveBtn.addEventListener('click', saveNote);
        editorPage.addEventListener('pageshow',
                                        onEditorPageShow);
        window.addEventListener('tizenhwkey', function (e)        {
          if (e.keyName === "back” && window.tizen
           && window.tizen.application)
{         ...
```

- main.js 작성
  - ✓ 함수 작성
    - events

```
        switch (getCurrentPageId())          {
            case 'main':
              window.tizen.application.getCurrentApplication().exit();
              break;
            default:
              window.history.back();
              break;
          }
          return false;
        }
      }, false);
    }
```

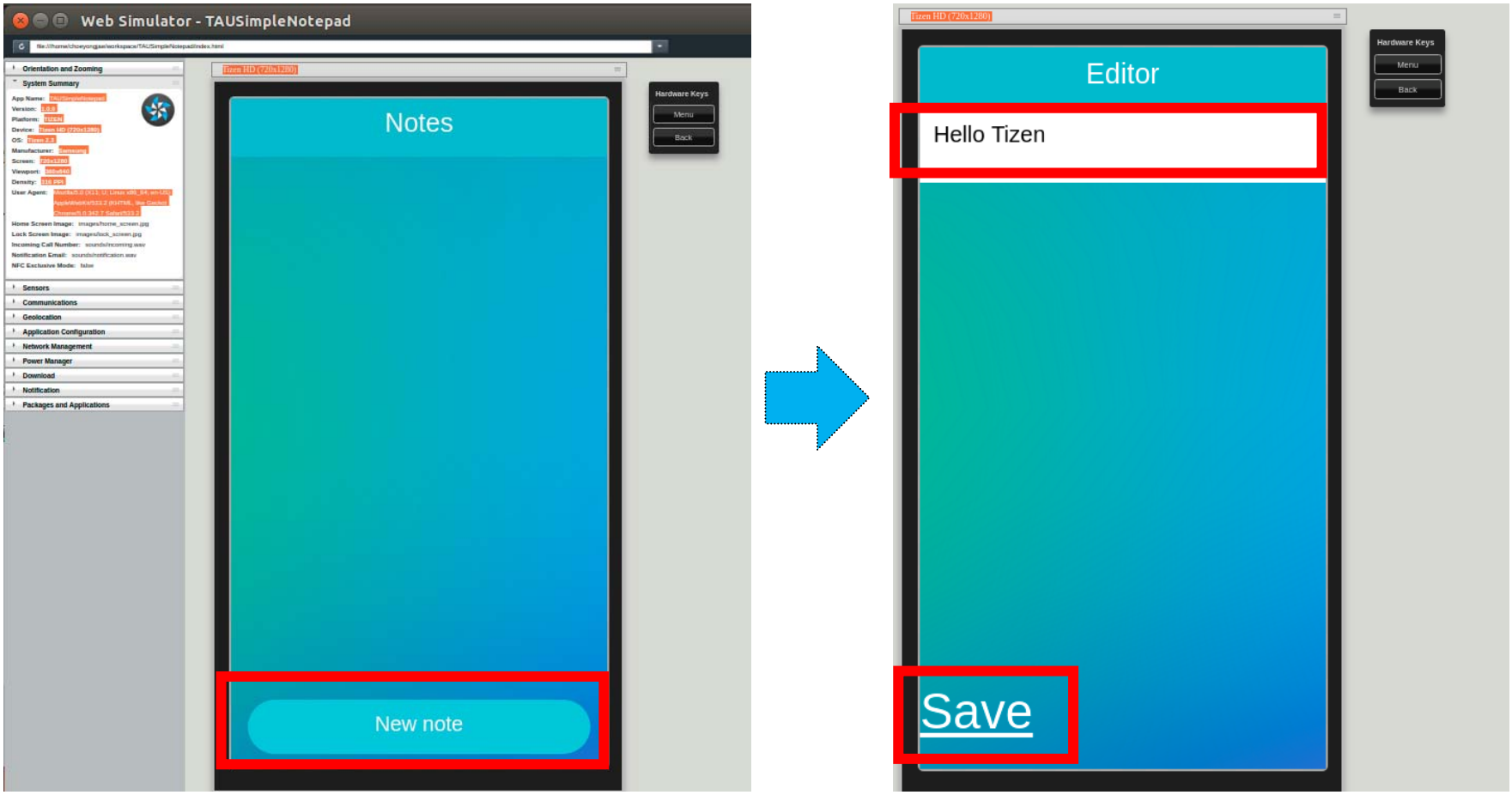
웹 애플리케이션 개발

- 웹 애플리케이션 실행
  - ✓ Run > Run As > Tizen web Simulator Application



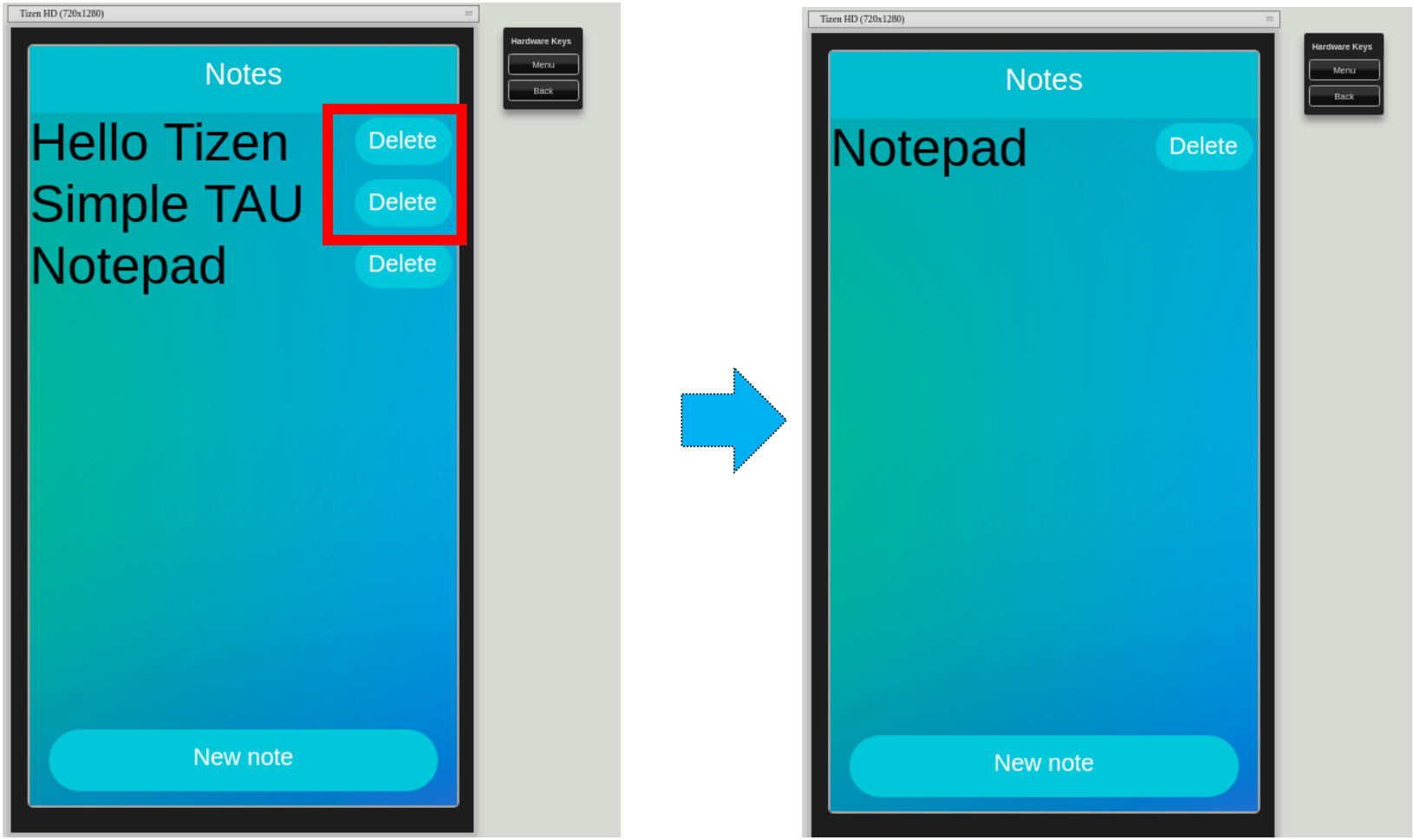
웹 애플리케이션 개발

- 웹 애플리케이션 실행
  - ✓ 실행화면 - 메모작성



웹 애플리케이션 개발

- 웹 애플리케이션 실행
  - ✓ 실행화면 – 메모 삭제



Q/A