



UNIVERSITI MALAYSIA TERENGGANU

**BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING)
WITH HONOURS**

SEM 2 2022 / 2023

CSM 3103: FRONT-END PROGRAMMING (K2)

LAB REPORT 2

PREPARED BY:

MUHAMMAD NAJMUDDIN BIN AZLI (S62728)

LECTURER:

DR. RABIEI BIN MAMAT

Task 1 – Setup and configure Apache cordova on your desktop/laptop

Write a step by step process based on your successful experience on How to install Apache Cordova

1. Download and install node.js
2. Open command prompt
3. Run npm install -g cordova

```
Command Prompt
Microsoft Windows [Version 10.0.19044.2604]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>npm install -g cordova
npm WARN deprecated @npmcli/move-file@1.1.2: This functionality has been moved to @npmcli/fs
npm WARN deprecated stringify-package@1.0.1: This module is not used anymore, and has been replaced by @npmcli/package-json
npm WARN deprecated har-validator@5.1.5: this library is no longer supported
npm WARN deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic. See https://v8.dev/blog/math-random for details.
npm WARN deprecated request@2.88.2: request has been deprecated, see https://github.com/request/request/issues/3142

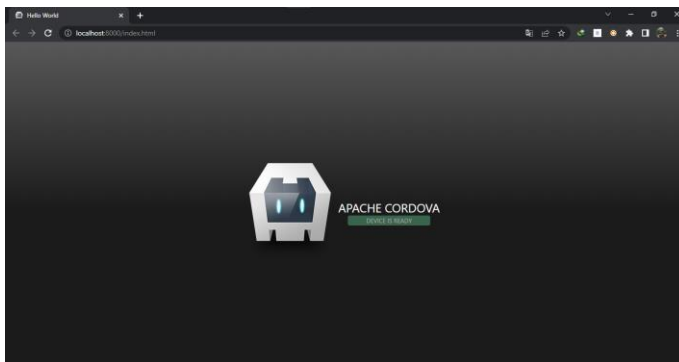
changed 489 packages in 58s

52 packages are looking for funding
  run `npm fund` for details

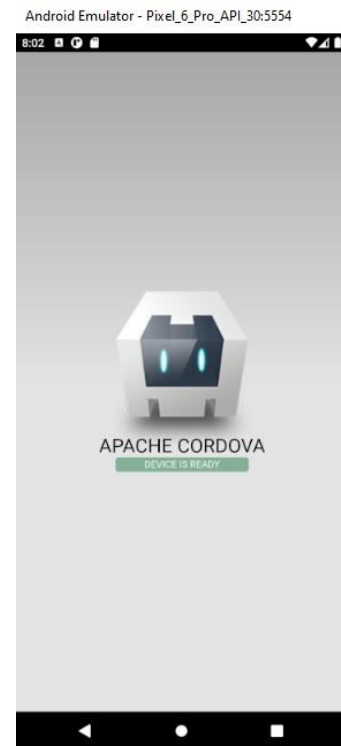
C:\Users\HP>
```

Task 2 – Your First Apache Cordova Application

a. Add browser platform to the project

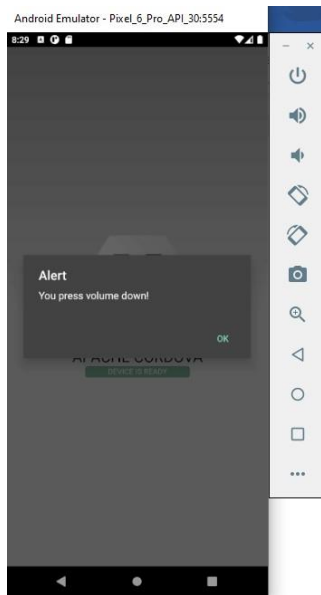


b. Add android platform to the project

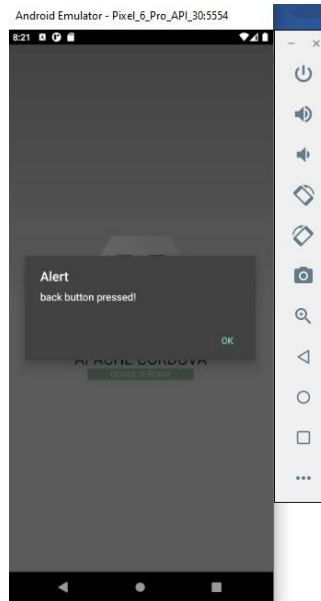


Task3 – Simple eventListener in Cordova Project

a. Press volume down button



b. Press back button



What is the purpose of `e.preventDefault()`?

The purpose of `e.preventDefault()`, it prevents the default action that is associated with a specific event from taking place.

Do some research on how to add two controls to you index.js to do the following:

a. Handle volume up button

b. Handle menu button



Source Code

Index.js

```
// Volume Up
document.addEventListener('volumeupbutton', onVolumeUpKey, false);
function onVolumeUpKey() {
  alert("You pressed the volume up button!");
}
//Menu Button
document.getElementById('menu-button').addEventListener('click', showMenu);
function showMenu() {
  alert('you clicked the menu')
}
```

Index.html

```
<div class="app">
  <h1>Apache Cordova</h1>
  <div id="deviceready" class="blink">
    <p class="event listening">Connecting to Device</p>
    <p class="event received">Device is Ready</p>
    <button id="menu-button">Menu</button>
  </div>
</div>
```

Task 4 – Cordova Plugin use case (Simple Geolocation)

