

# UNIVERSITY MALAYSIA TERENGGANU FACULTY OF OCEAN ENGINEERING TECHNOLOGY & INFORMATICS

## [CSM3103] FRONT-END PROGRAMMING

#### **LAB REPORT 2**

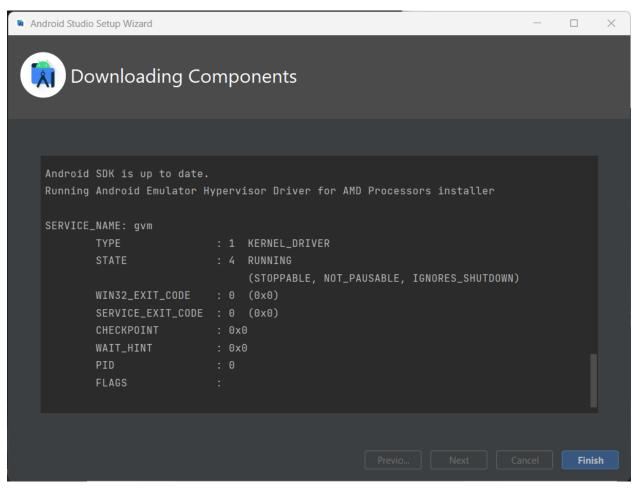
[Apache Cordova]

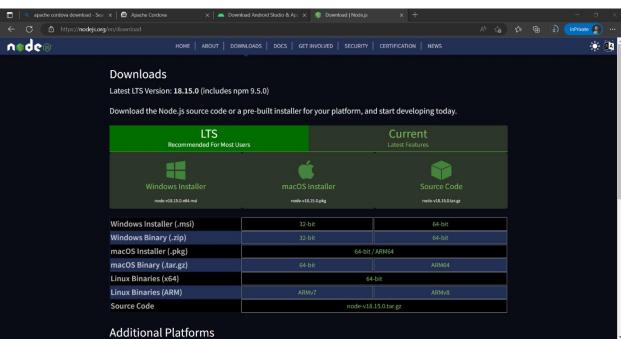
Prepared by: [WAN ABDUL AZIM BIN WAN MALEK (S63190)]

Prepared for: DR RABIEI B MAMAT

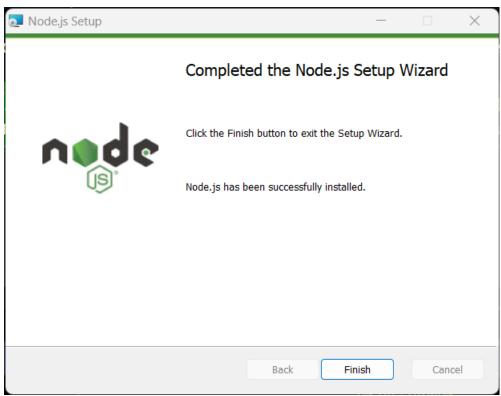
[MOBILE COMPUTING]
SEMESTER II 2022/2023

Task 1 – Installing Apache Cordova







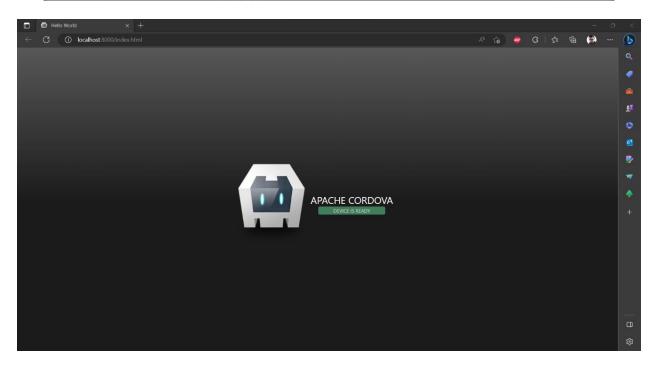


```
Microsoft Windows [Version 10.0.22621.1413]
(c) Microsoft Corporation. All rights reserved.

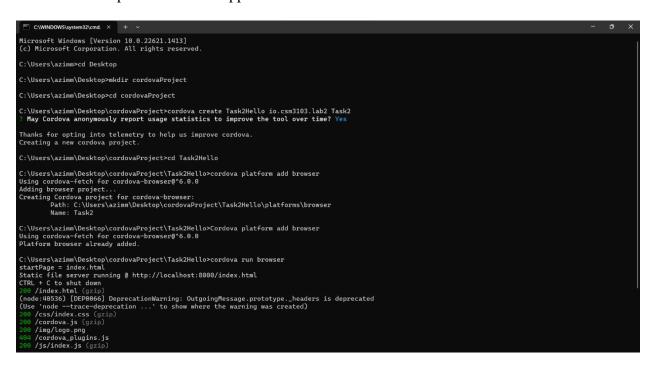
C:\Windows\System32>npm install -g cordova
npm MARN deprecated har-validator@5.1.5: this library is no longer supported
npm MARN deprecated oppmcli/move-file@1.1.2: This functionality has been moved to @npmcli/fs
npm MARN deprecated unid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain
circumstances, which is known to be problematic. See https://wi.dev/blog/math-random for details.
npm MARN deprecated stringify-package@1.0.1: This module is not used anymore, and has been replaced by @npmcli/package-j
son

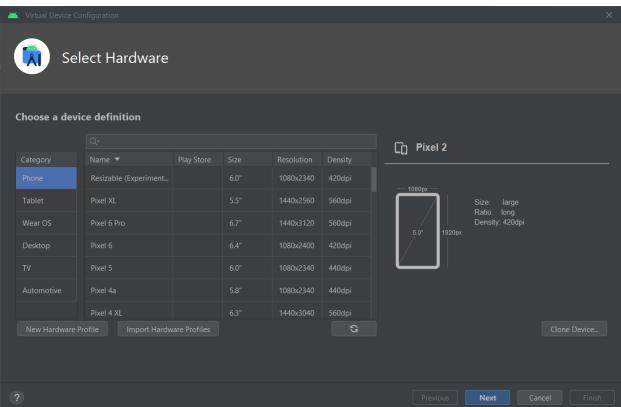
added 489 packages in 26s

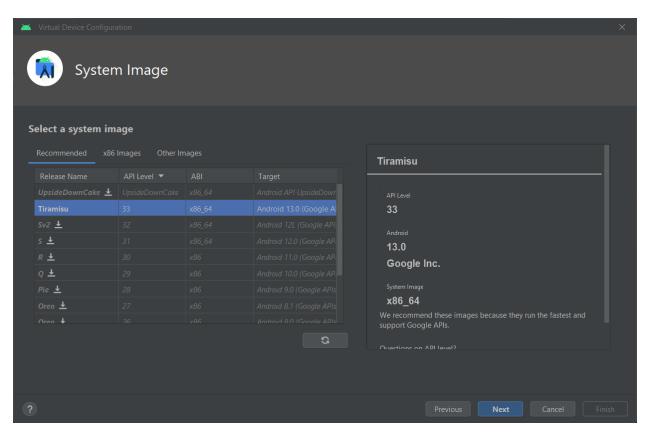
52 packages are looking for funding
run 'npm fund' for details
npm notice
npm notice New minor version of npm available! 9.5.0 -> 9.6.4
npm notice New minor version of npm available! 9.5.0 -> 9.6.4
npm notice New minor version of npm available! 9.5.0 -> 9.6.4
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```

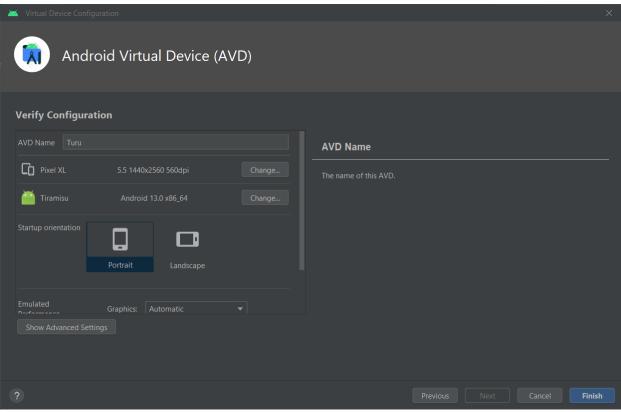


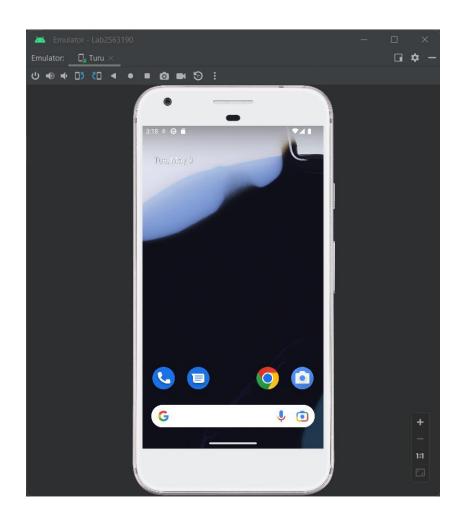
#### Task 2 - First Apache Cordova Application



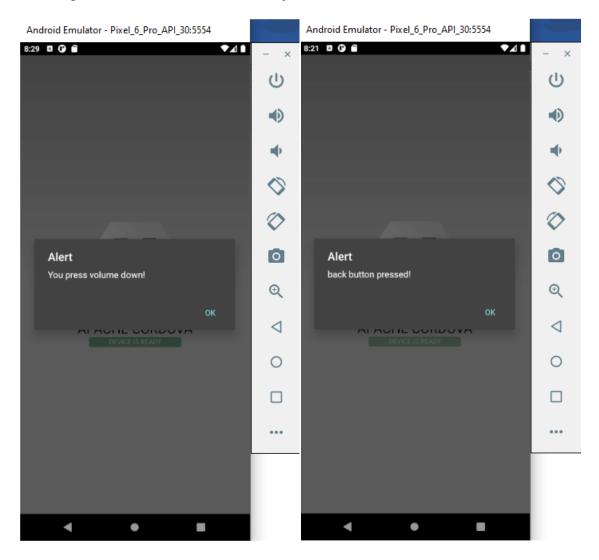








Task 3 - Simple eventListener in Cordova Project



Press volume down button

Press back button

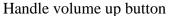
What is the purpose of e.preventDefault().

The e.preventDefault() function is commonly used in JavaScript event handlers to prevent the default behavior associated with an event. When an event occurs on an HTML element, such as a click event on a link or a submit event on a form, the browser typically performs some default action in response to that event.

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







Handle menu button

#### Source code

#### Index.js

```
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

Task 4 – Cordova Plugin use case (Simple Geolocation)

