**INSTRUCTION**

1. Server: Create Window Server with Amazon Web Services and software installation:

* Xampp ( port 80) version 7.1.28 / PHP 7.1.28: create web server.

Source in the *PHP\_SERVER\dieukhienxe\* directory, save to: ..\xampp\htdocs\dieukhienxe\

* MySQL ( port 3306) version 8.0.15 Community:

The ID and Password connect to database to modified in the *config.php* file

Create database *mydatabasa*, then import *install.sql* file in the ***PHP\_SERVER* directory** to create table.

* Java SE JDK ( port 2345) version 12.0.1: TCP socket.

Run *TCPClientServer.jar* in the *TCPClientServer\dist\ directory* to create socket server.

**\*\*\*** Use “***ec2-13-58-108-38.us-east-2.compute.amazonaws.com.rdp*”** file with password “**U!LbDta\*gNgD6%?rqE)!qjHVgKDJ4Ouc**” to connect directly to the already created Server.

1. Android: version 8.0 (API 27) add dependencies and permission:

* Navagation Drawer Library
* com.github.markushi:circlebutton:1.1 Library
* io.github.controlwear:virtualjoystick:1.9.2 Library
* Permission Internet

1. RemoteControlCar + ESP8266:

* Arduino IDE version 1.8: verify and upload code ESP8266, Arduino Uno R3.
* Install Driver: to computer and board Arduino, ESP8266 communicates with each other.
* Upload code *car\_esp\_java.ino* in the *Arduino/car\_esp\_java/* directory for ESP8266.

Changes SSID and password before upload the code.

* Upload the car\_arduino\_tcp.ino code in the *Arduino/car\_arduino\_tcp/* directory to the Arduino board.