

OOP & Software Architecture
Lab Assignment 1
Mobile Devices

You are asked to develop a class model for mobile phones. Design and implement class models for three vendors of mobile phones: Apple, Samsung and Huawei.
For each vendor it is required to design 3 different models.

For Apple model names will be: **IPhone1**, **IPhone5s** and **IPhone6s**

For Samsung: **GalaxyA3**, **GalaxyS** and **GalaxyNote**

For Huawei: **HuaweiY5**, **HuaweiY6** and **HuaweiY6Pro**

It does not matter what is a vendor, any mobile phone should be able to dial up a number and send a message.

Second model of each vendor should be able to get a photo.

Third model of each vendor should be able to perform a payment via ApplePay (apple device) or GooglePay (huawei and samsung devices).

Method for dial up should have one parameter (phone number) and output: "Dialing up a number <number> from <device name>"

Method for sending a message should have one parameter (phone number) and output: "Sending message to <number> from <device name>"

Method for taking a photo should output: "Take a photo from <device name>"

Method for paying by apple pay should output: "Paying by Apple Pay from <device name>"

Method for paying by google pay should output: "Paying by Google Pay from <device name>"

Please implement a method that creates an array of all devices and calls all the methods for all devices in the loop.

Your goal is to design and implement a class model that satisfies requirements above.

Please submit your work as a zip archive on Moodle.