

# InstaBus

**Due** Feb 7 by 6pm

**Points** 20

**Submitting** a file upload

**File Types** zip

**Available** Jan 4 at 4pm - Feb 7 at 6pm about 1 month

## #Bus !

You are asked to create an application that allows users of public transport in Barcelona can take pictures at bus stations. This clone of Instagram, but more specifically, must display an expensive list of Barcelona bus and take pictures for them.

### • Behavior Screen 1

When launching the application, a list is displayed for an overview of all known plants. ([Appendix: Home Screen \(list\)](#))

The city of Barcelona extending more and more, the list of these stations is bound to change often. Therefore, it will take the application to be always updated. These stations are recoverable through a REST web service in the appendix.

The user can decide to display either the list of stations with their name only as information, or to display the Google Map and all the stations positioned on it. ([Appendix: Home Screen \(Map\)](#))

A selection of a station, the user moves to the next screen (screen 2).

### • Screen 2

This screen will list all the photos taken by the user at that station. ([Appendix: Detail Station \(Once user has clicked on station\)](#))

A photo is accompanied by a title as well as its creation date.

If user want's to delete a picture, he must just slide on left or right the item (see google mail for exemple). (Appendix: When user drag the detail, purpose to delete his picture (and redraw the list details))

By pressing the "+" button at the bottom right (or menu) of the screen, the user can take a picture.

The creation of this photo sequence should be similar to Instagram:

- Take pictures
- Addition of the title
- Validation

(Appendix: Screen that display preview once the picture has been taken)

After validation, the user returns to the list has been updated. The user has the option to delete photos he took.

## Appendix:

- Home Screen (list)
- Home Screen (Map)
- Detail Station (Once user has clicked on station)
- When user drag the detail, purpose to delete his picture (and redraw the list details)
- Screen that display preview once the picture has been taken

# API REST:

<http://barcelonaapi.marcpous.com/bus/nearstation/latlon/41.3985182/2.1917991/1.json>

## SUPINFO Project Instructions:

This project must be done **alone** or in groups of 2 (*Maximum authorized*). You have **one month** to complete it.

You have at your disposal mockups for the screens but you are free to propose your own design as long as it meets the specifications.

Once your project is finished, you will have to return an archive to your local instructor which will contain the "**SOURCE CODE**" of your project, it must *not be corrupted* and the instructor in charge of the correction must be able to test your application **without modifying anything** in your code (except some config files if needed).

Failure to comply with these rules will penalize you with a 0 as a final grade.

It is also forbidden to recover any source code which could resemble this project under penalty of failing the exam. The goal is to assess you and what you have learned and not your ability to search the internet to retrieve code!