



UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH

# **MOBILITAPP** **DATA COLLECTION**

**HELP US  
ENHANCE  
OUR APP**



**MOBILITAPP** is an android application. Its target is to recognize the method of transportation of the user depending on data collected from the mobile phone.



MobilitApp is being developed by researchers and students of INRISCO Spanish project, at the Dept. of Telematics Engineering of [Universitat Politècnica de Catalunya](http://www.upc.edu) under the supervision of [prof. Mónica Aguilar](http://www.upc.edu).

Please visit our site: <http://mobilitat.upc.edu>

For now, we need **VOLUNTEERS** with **Android** smart phones to help us enhance the App performance via informing the App with their transportation methods as illustrated in the coming slides



Privacy Information: Your gathered data is totally anonymous. We do not track you. We use info anonymously.  
[Privacy policy in MobilitApp](#)

# Steps... Installing

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1. From your Android smart phone, go to Playstore search for MobilitApp



and

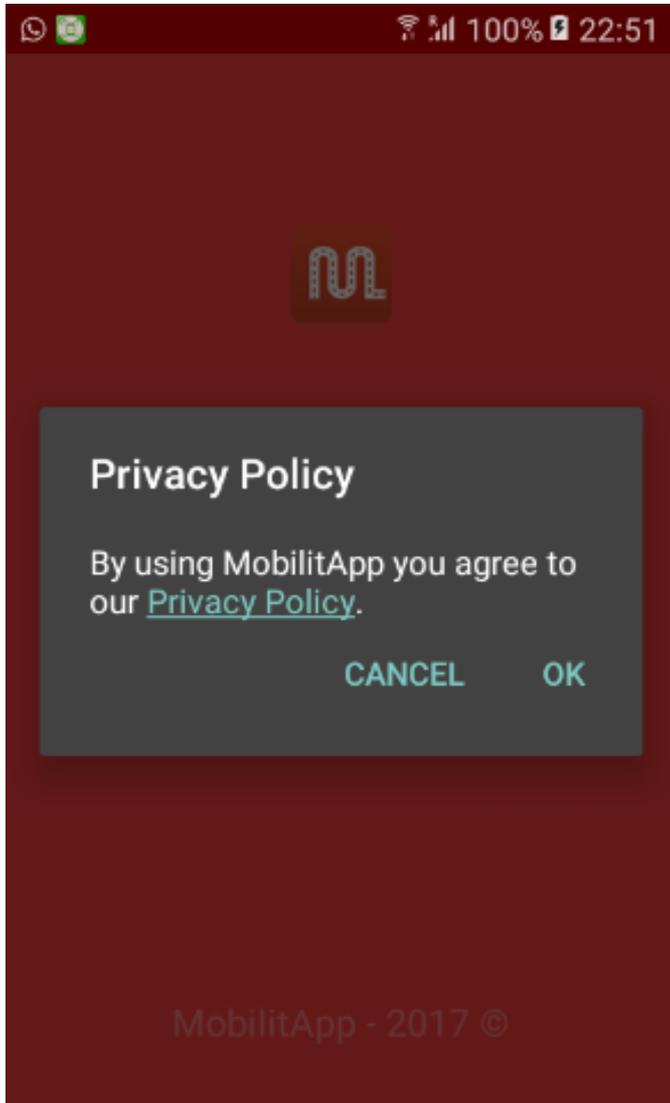


2. Download and install MobilitApp on your mobile phone.  
Then open it.



# Steps... Initializing

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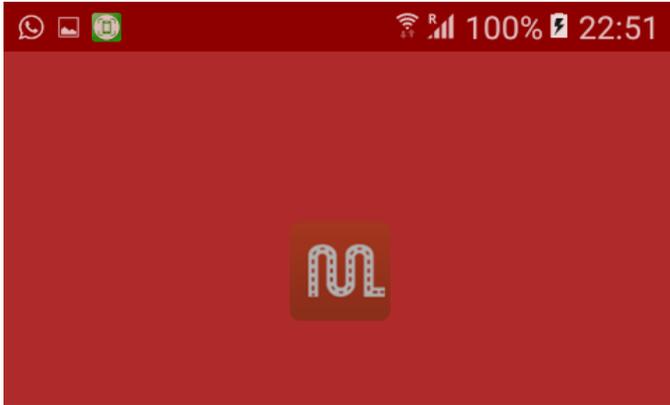
3. Accept the Privacy Policy by clicking the OK button shown in the picture.

# Steps... Initializing

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4. Allow MobilApp to access your mobile files, location detector, phone management and sensors via accepting the sequence of requests as shown in the pictures.

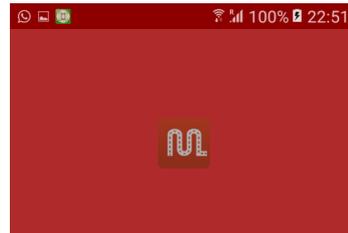
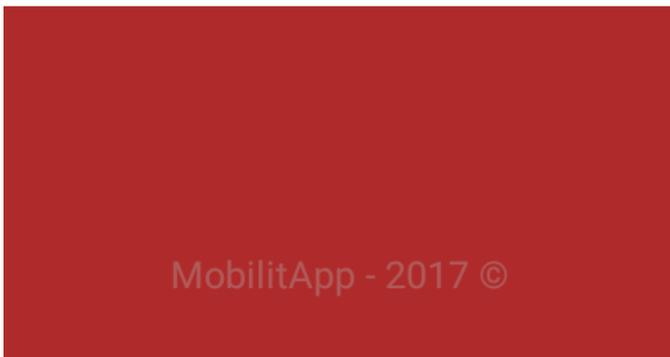


Allow **MobilApp** to access photos, media and files on your device?

1 of 4

DENY

ALLOW

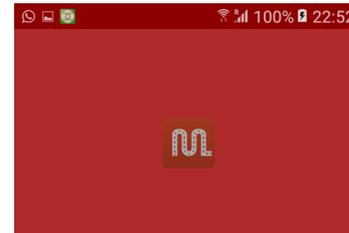


Allow **MobilApp** to access this device's location?

2 of 4

DENY

ALLOW

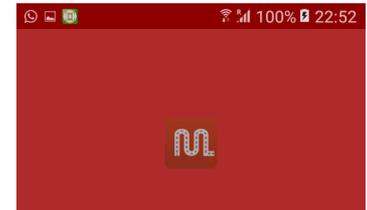


Allow **MobilApp** to make and manage phone calls?

3 of 4

DENY

ALLOW

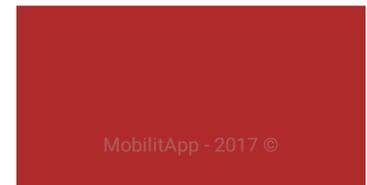
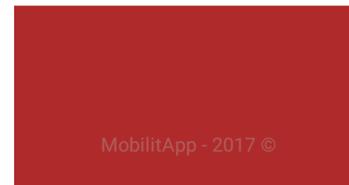


Allow **MobilApp** to access sensor data about your vital signs?

4 of 4

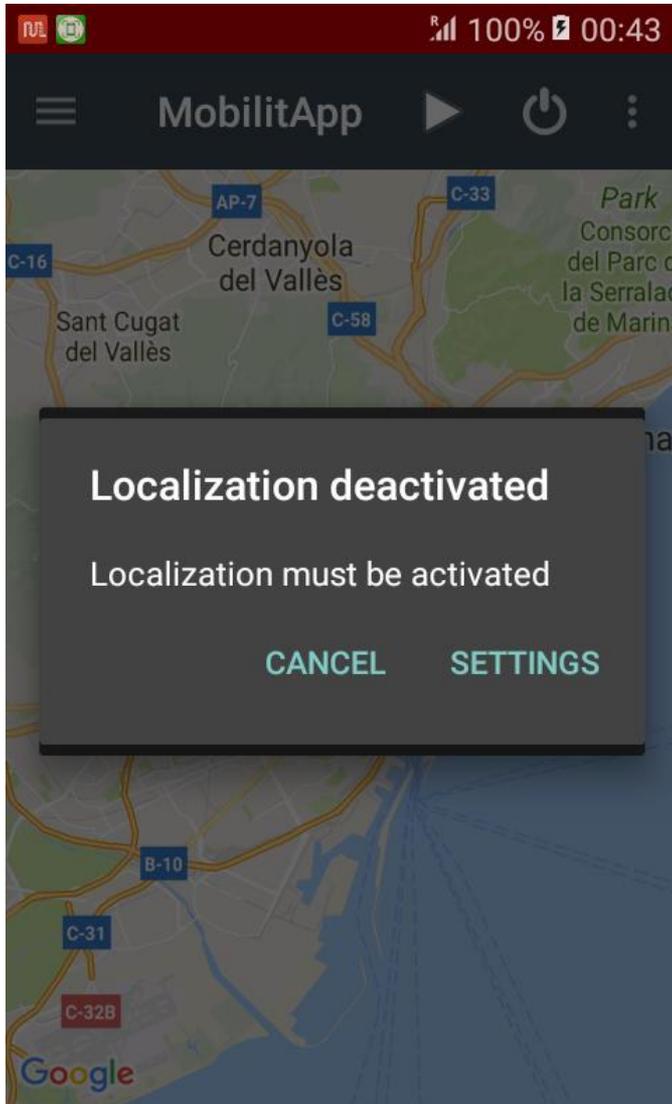
DENY

ALLOW



# Steps... Initializing

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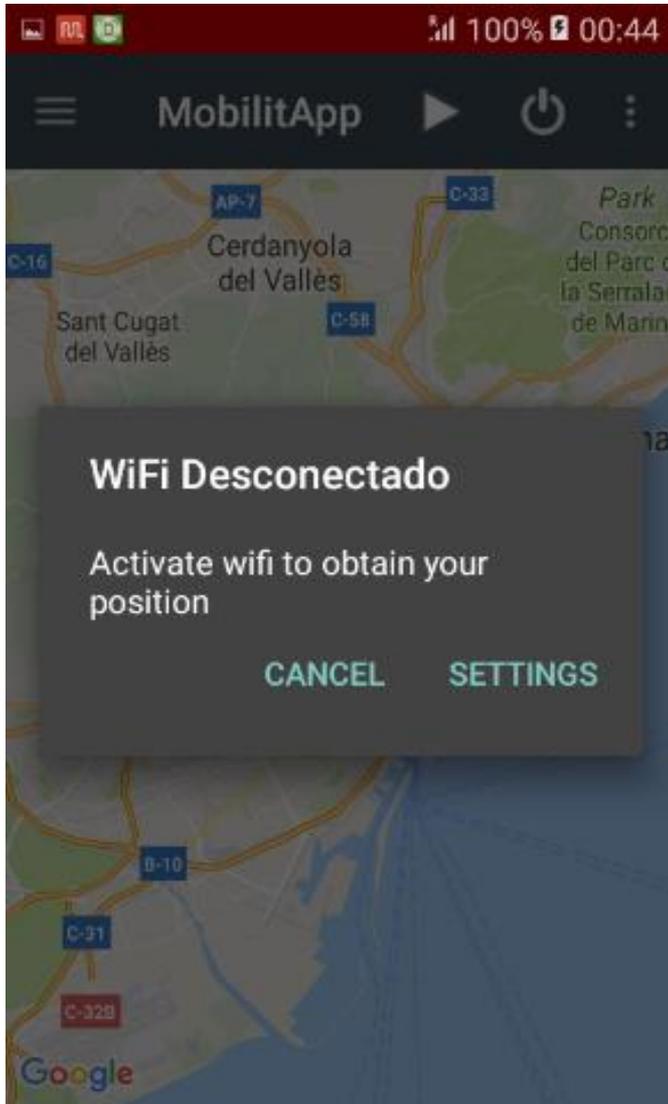
5. The message shown in the picture will appear if the Localization is deactivated in your mobile phone. It is better to activate it via clicking on the settings button and enable it.

## Hint:

If you click cancel MobilitApp will still be functioning. But Localization activation will make it function better and get higher accuracy.

# Steps... Initializing

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6. The message shown in the picture will appear if the WiFi is deactivated in your mobile phone. It is better to activate it via clicking on the settings button and enable it.

## Hint:

If you click cancel MobilitApp will still be functioning. But WiFi activation will make it function better, even if you are not connected to a WiFi network.

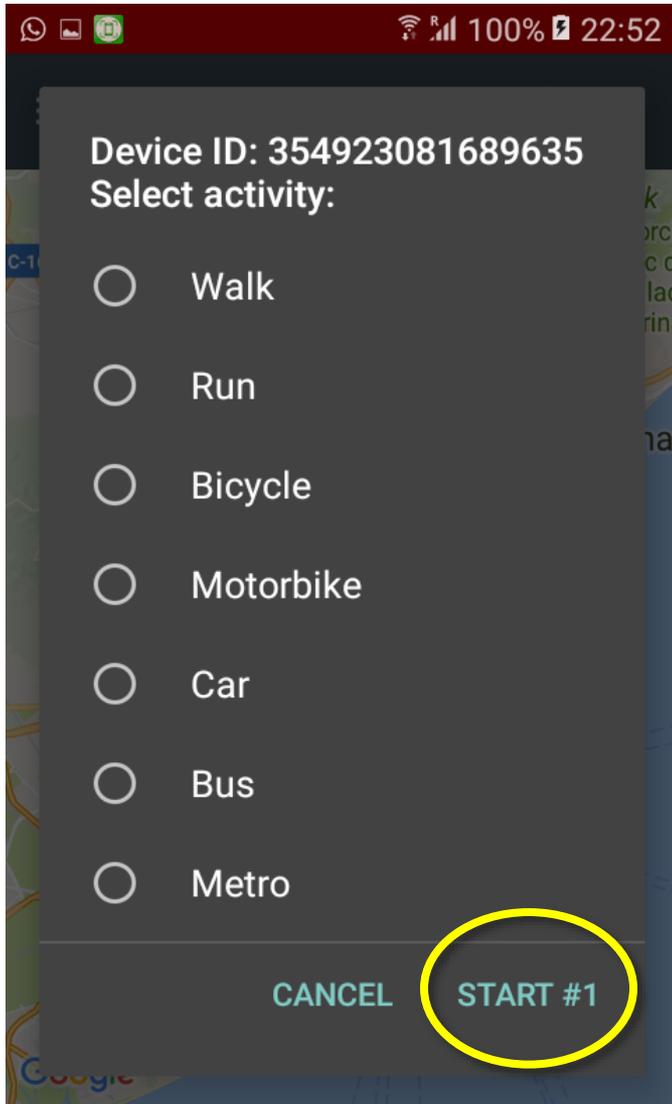
# Steps... Operating

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Z. Now, we will start to work with MobilitApp function. Click on the play button  in the top bar (highlighted in the picture).

# Steps... Operating



8. A menu with all available transportation activities will appear. Choose the one that you are currently doing (you are walking, cycling, driving a car, ...etc.). Then click on the start button in the end of the menu (highlighted in the picture).

## VERY IMPORTANT

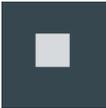
Please make sure that you are choosing the correct activity because based on your choice our logic will be done. So, If you chose wrong activity that will cause **MAJOR** defects in our project and will **HARM** our data.

# Steps... Operating

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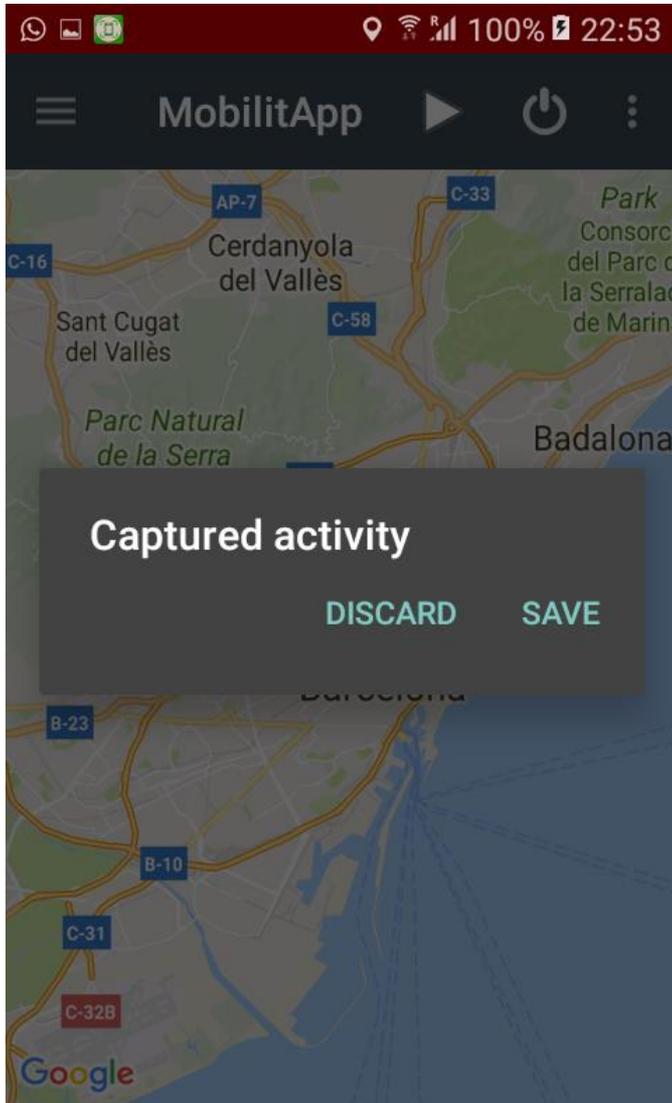


9. After clicking start, the activity you chose will appear in a message on the screen for a short time (as shown) and the play button shape will change to square button  which means that your activity is being recorded.

10. When you finish doing the activity (you got out of the bus, you stopped walking, ...etc.). Click on the stop button  to stop recording. The optimal minimum recording time is **3 minutes**, but if you recorded more than this then it is much more Better 😊 and if less it is fine as well.

# Steps... Operating

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11. After clicking the stop button. The message shown will appear. Please don't save your activity UNLESS is it an actual one.

## VERY IMPORTANT

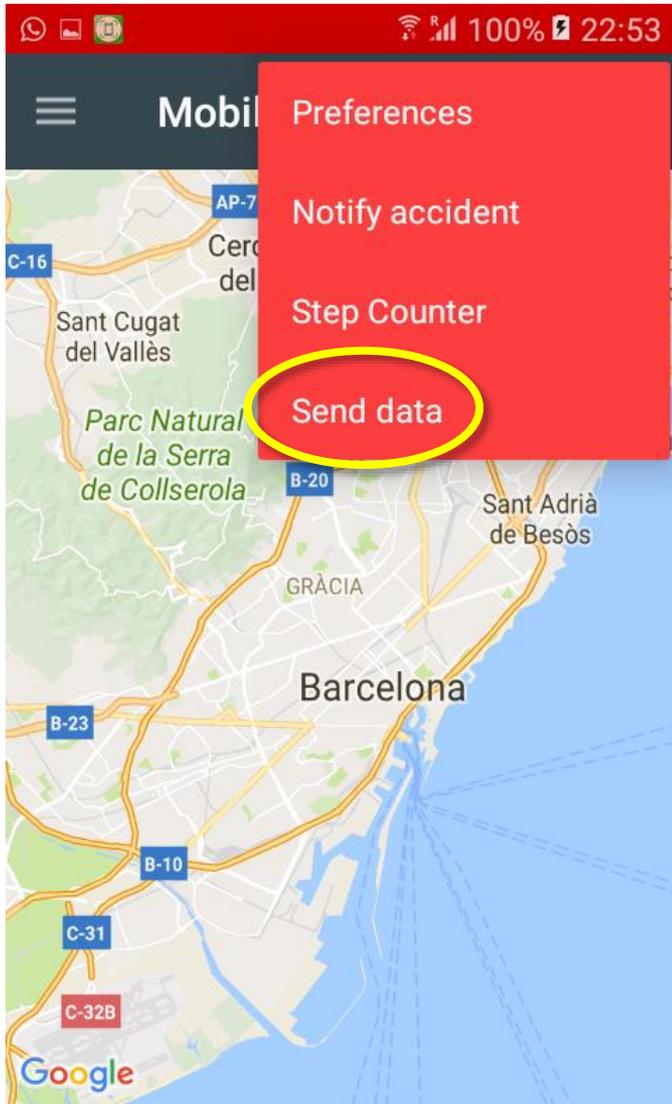
Please click **DISCARD**:

- If you are not sure that you recorded the correct activity.
- If you forgot about the recording and you did not stop it after you finished doing the activity. We need to record only the time of the activity.

Inaccurate saving will cause **MAJOR** defects in our project and will **HARM** our data.

# Steps... Operating

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12. In order to transfer the recorded data to our server, please click on the top right menu as shown in the picture then choose the last choice (Send data).

## Hint:

This step can be done at any time, not mandatory after each recording. You can record multiple times, then send the data afterwards. This step needs internet connectivity, so it is better to do it when you are connected via WiFi to save your internet Data bundle. Also, MobilitApp will automatically transfer the recorded data when it detects WiFi connection established.



**THANKS FOR  
YOUR COOPERATION**