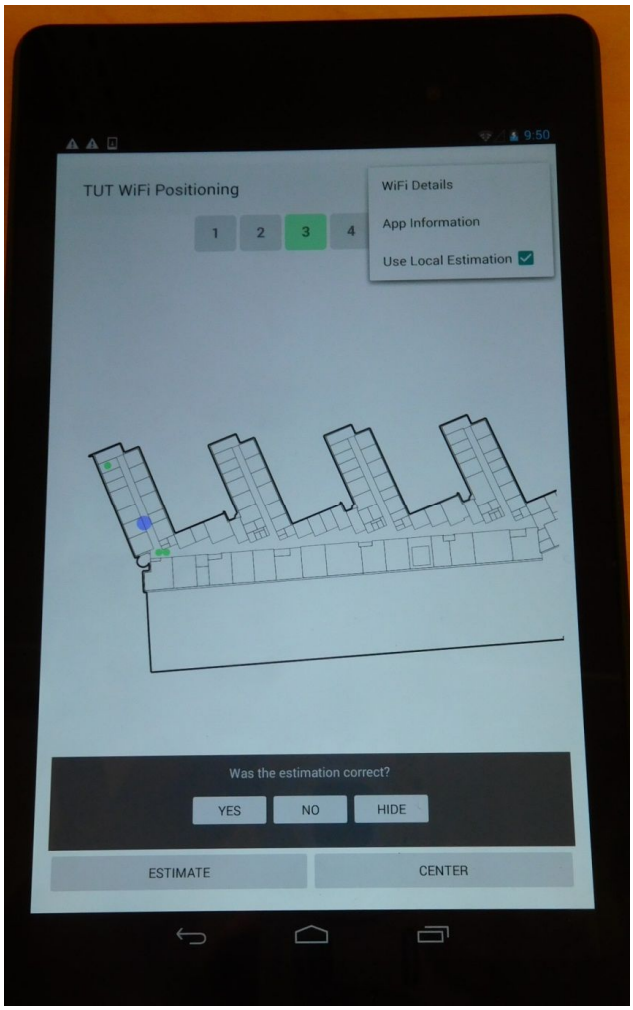
Android application created by TIE-PROJ team: Jukka-Pekka Venttola (Project Manager); Jeri Haapavuo (Product Owner), Kalle Immonen (Developer), Lauri Laaksonen (Developer), Marko Leppänen (Security Expert), Matti Ylineva (QA Lead). Supervisory team: E.S. Lohan and H. Leppäkoski.

Installation steps

- copy app-debug.apk to Download folder on the Android device
- change settings (Security) to allow unknown sources
- open via a file manager the apps folder and double click the app to be installed
- after the installation, remember to change back your Setting (security) to not allow unknown sources anymore.

After installation - Notes on usage

Your screen view will be as below: the 5 floors of Tietotalo (with first one being the Main floor with the restaurant) are shown at the top in gray boxes; the green box is the selected floor; by changing the floor number, also the corresponding map is changed.



You can press Estimate button to get an estimate of your position; the big blue dot will show the estimated position (with a blue uncertainty circle of 7 m radius around it) and the 3 green dots will show the 3 'nearest neighbours' position estimates. If the blue dot shows your correct position (+/- few meters) , you can press Yes at the question 'Was the estimation corrrect'. If the blue dot shows an incorrect position, you can choose No and then select on the map your correct position (pay attention to be at the correct floor).

An Internet connection is needed to be able to send the feedback.

The estimation can be done in a 'local mode' (Use Local Estimation button checked as above) or in a server mode (Use Local Estimation button unchecked); for the later case, you need an internet connection active.

The information saved on the server side is as follows:

- MAC addresses of all the heard WifI Access Points (this does NOT include your own mobile MAC address)
- Received Signal Strength (RSS) from all the Access Points in range
- time information (date and hour)
- x-y coordinates of the estimates position and of the position sent as a feedback
- phone model (e.g., Samsung, Huawei, …)
- basic software version (e.g. Android 4.0)

No personal identifiers are stored such as mobile number, phone MAC address, or any other personal information.