



CROWD4ROADS

CROWD sensing and ride sharing FOR ROAD Sustainability

Project Number: 687959

D3.5 – Mockups of the CROWD4ROADS mobile app

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Abstract: Mockups used to define the user interface of the CROWD4ROADS mobile app and to test its usability.

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V1.1 – 03.01.2017 – Uploaded version. (Saverio Delpriori)

Executive summary

This document corresponds to deliverable 3.5 of the CROWD4ROADS project.

The document includes a reference to a collection of the most updated mockups of the SmartRoadSense mobile app. It also includes some insights behind the design choices taken during the design process.

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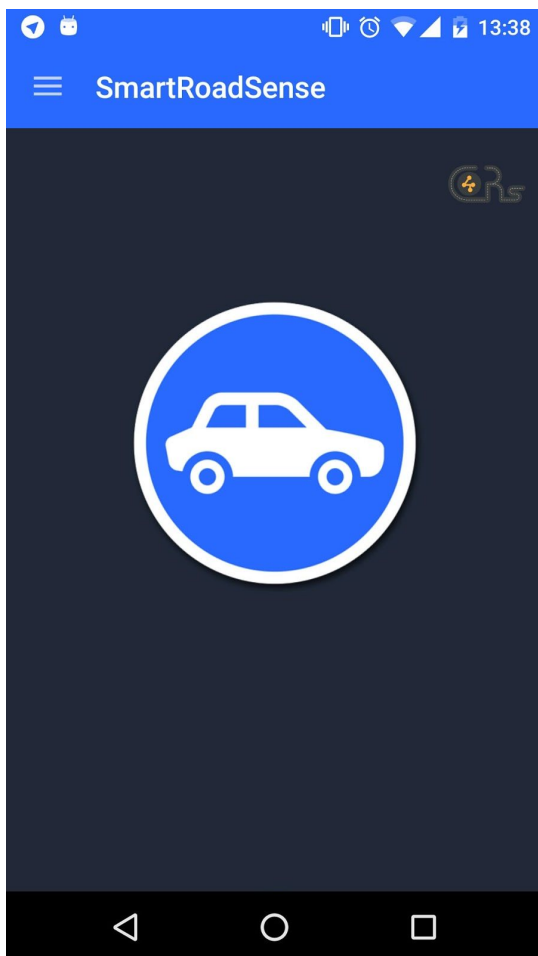
1. Design report

The main reason behind the redesign of the SmartRoadSense mobile application user interface is the need to include additional features which are going to be implemented during the project.

1.1 C4Rs affiliation

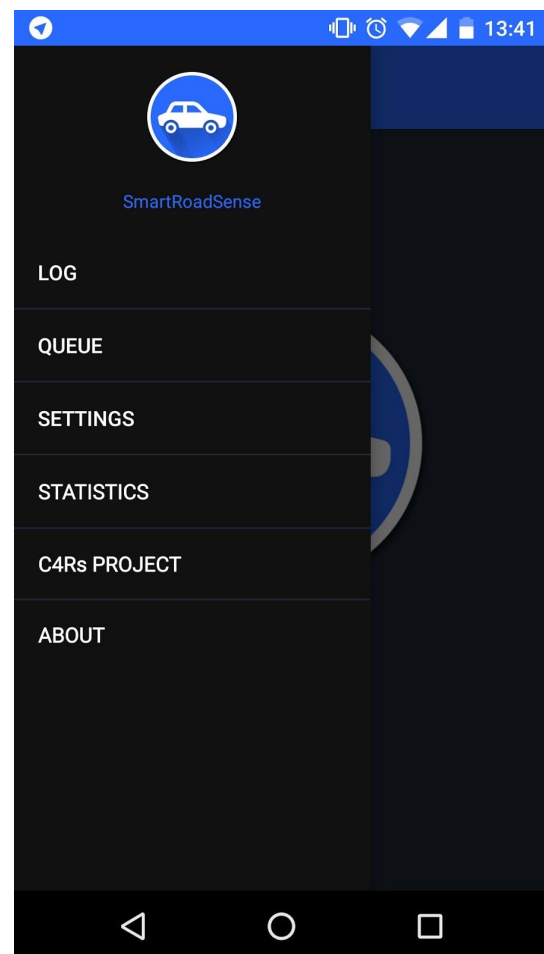
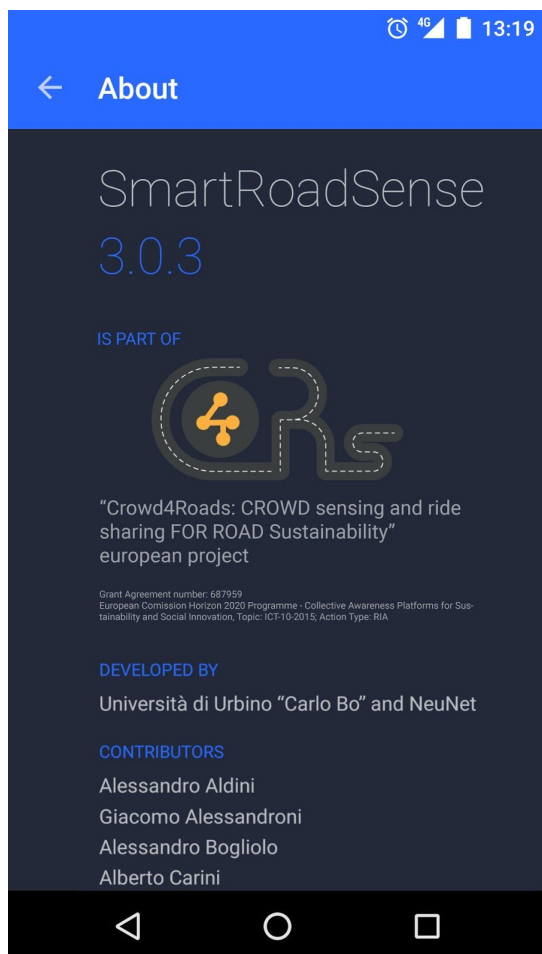
The C4Rs logo and evident references to the project have been added to many app screens to make the affiliation with CROWD4ROADS well clear to final users.

In particular, the C4Rs logo has been placed onto the app main screen. Once the app is launched, this is the first screen that appears to the user and is also the one users see for the most part of their app usage experience.



A clear project affiliation disclaimer has been put on top of the *About* screen, with and an unambiguous reference to the grant agreement number and the Horizon 2020 European Commission Program.

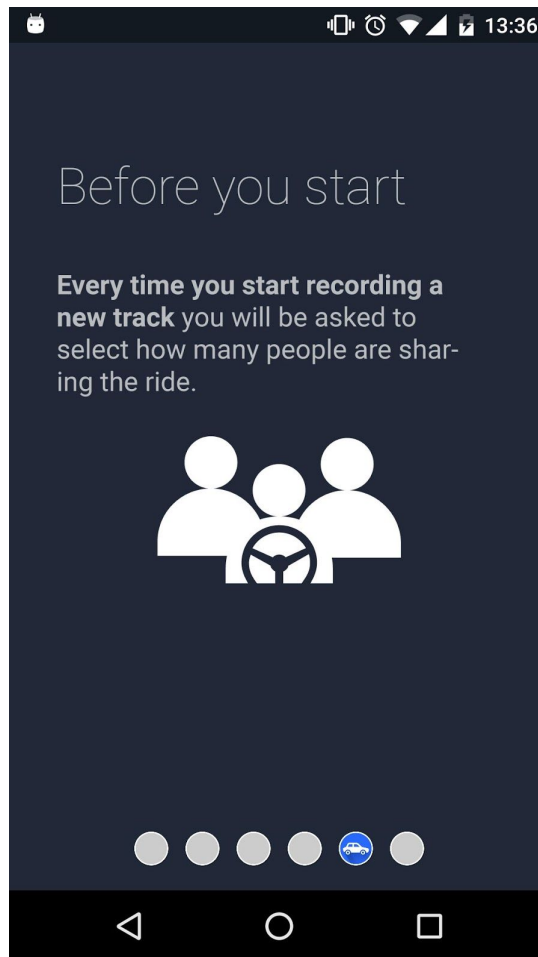
The main menu of the app has been enriched with a couple of items: a reference to the user's statistics screen described afterwards in this document and a link to the CROWD4ROADS website.



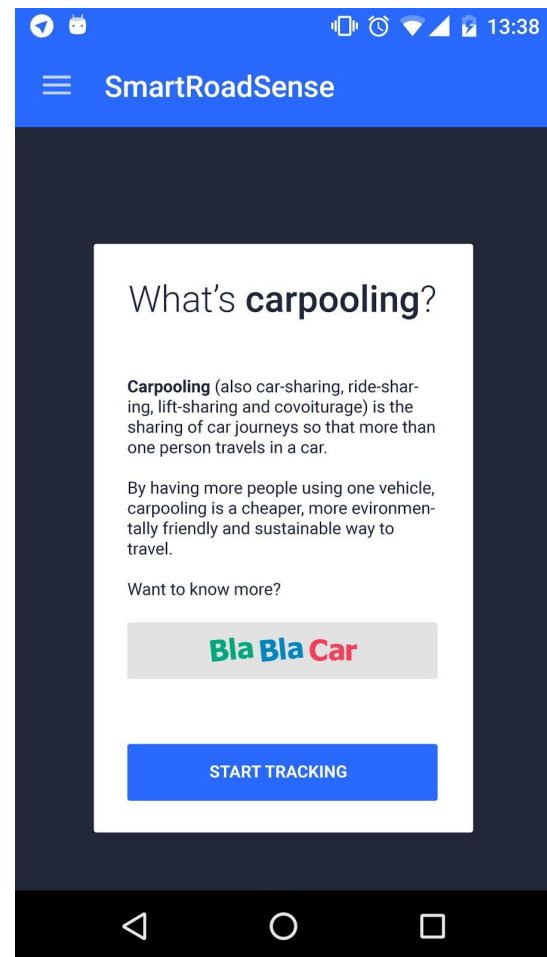
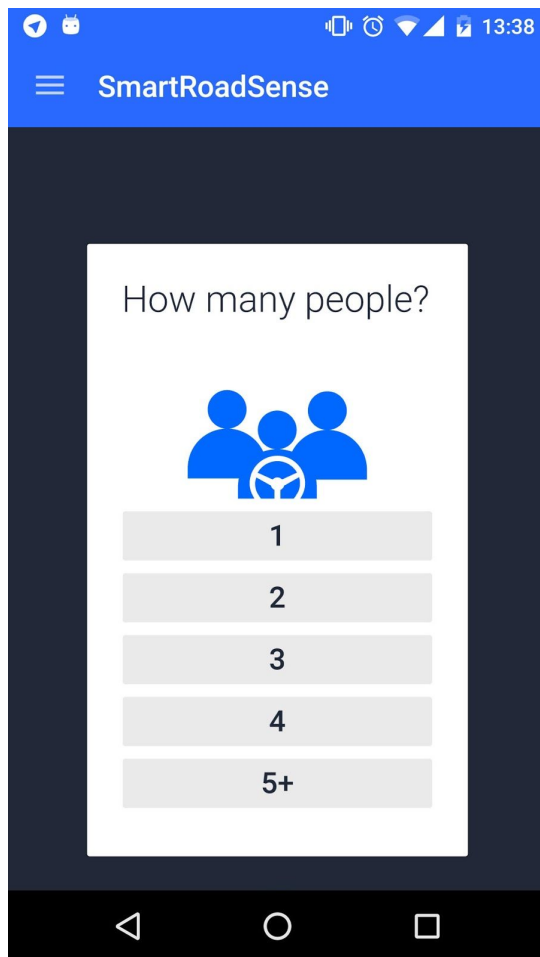
1.2 Carpooling

Since to increase cars occupancy rate is one main objective of the project these new mockups have been designed to let the users specify how many passengers are sharing the same vehicle for each ride.

This new functionality is now explained in the introductory tour of the app.



Moreover, each time a user start tracking its journey he will be asked about how many people are travelling with him. In case he states to be travelling alone– selecting the first option “1”– an informative panel about carpooling is shown before the tracking actually starts.



1.3 User's statistics

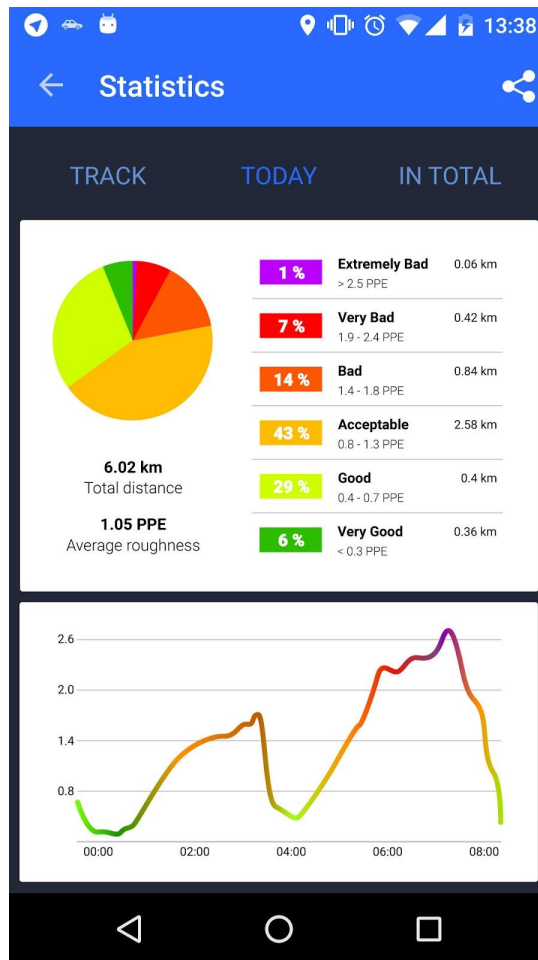
To allow users to have an immediate overview of their activities and accomplishments a new screen containing some basic personal statistics has been added.

This screen includes simple measurements such as the overall tracked distance using SmartRoadSense, the average roughness of travelled roads, information about the different comfort levels the user has been undergoing during his travelling and so on.

User's statistics can be shown for different periods of time: for the very last track, for the current day or for the entire period the user has been using the app.

All the statistics are based on data locally collected by mean of the device in use. In this way, no client-server communication is needed and no personal data is shared to the

SmartRoadSense in-cloud server of any other third-party system, as requested by the privacy-preserving strategies implemented by the SmartRoadSense platform.



2. Mockups access

An archive containing all the mockups can be downloaded following this link:

https://drive.google.com/file/d/0B_U_4vGjoug3c3doaGtvcVFtY0E/view?usp=sharing

The same mockups are included in an InVision project, a free prototyping tool used for designing purposes, and are freely accessible following this link:

https://projects.invisionapp.com/share/NA9ZO96W3#/213972860_A-Welcome-Tour-1-Welcome

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