

IT2S-Mobile-App - Thinking aloud

Usability test for the it2s-mobile-app, the application developed for my master dissertation.

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Not shared

* Indicates required question

Participant ID

Your answer

Install the application

The application is available on the Google Play store with the name CCAM. The store url is:

https://play.google.com/store/apps/details?id=com.it2s.it2smobileapp&hl=en_SG&gl=US

1. Open the settings and set the application language to your preference. Indicate *
your preference:



Portuguese



English

1.1. Which settings do you have the most difficulty understanding what the
setting means? If there aren't many please answer at most 5. *

Your answer



2. Return to the map and connect the application in TCC (Traffic Control Center) mode. How easy was it to perform the action? *

	1	2	3	4	5	6	7	8	9	10	
Very Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Hard

3. Locate a Road Side Unit (RSU) within the Aveiro district and choose any vehicle perceived by it. What is the speed of the vehicle? *

Your answer

3.1 How difficult was the prior task? *

	1	2	3	4	5	6	7	8	9	10	
Very Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Hard

4. Create a slippery road alert with a relevance distance of 500 meters and a validity duration of 2 minutes. Classify the difficulty: *

	1	2	3	4	5	6	7	8	9	10	
Very Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Hard



4.1. Update the event relevance distance to 200 meters. Classify the difficulty: *

	1	2	3	4	5	6	7	8	9	10	
Very Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Hard

5. Open the history of the events received by the application and delete the event created in the prior two questions. Classify the difficulty: *

	1	2	3	4	5	6	7	8	9	10	
Very Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Hard

6. Navigate to the sensors screen and observe the sensors of the mobile phone. Classify the difficulty: *

	1	2	3	4	5	6	7	8	9	10	
Very Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Hard

Disconnect the application.



7. Configure the connection to the vehicle in the settings using the following information: *

Host: 192.168.94.35

Port: 8081

Username: testUser

Password: testme

Custom Station ID: 7301

Go back to the map and connect the application in OBU (vehicle) mode. Classify the difficulty of the settings configuration:

	1	2	3	4	5	6	7	8	9	10	
Very Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Hard

8. Create an EV reservation by selecting one of the available charging station icons on the map. Set the time of arrival to 30 minutes from now and the charging session duration to an hour. Select the highest amount of energy required. Classify the difficulty: *

	1	2	3	4	5	6	7	8	9	10	
Very Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Hard

8.1. What is the highest amount of energy that can be requested? *

Your answer



8.2. After a successful reservation cancel it. Classify the difficulty: *

	1	2	3	4	5	6	7	8	9	10	
Very Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Hard

9. Navigate back to the sensors screen and observe the vehicle sensors. How difficult was the task? *

	1	2	3	4	5	6	7	8	9	10	
Very Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Hard

10. How would you rate the app? *

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10.1 How would you improve the application? *

Your answer

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