Czech Technical University in Prague  
Faculty of Electrical Engineering  
Department of Computer Science

DIPLOMA THESIS ASSIGNMENT

Student: Dávid Ocetník  
Study programme: Open Informatics  
Specialisation: Software Engineering

Title of Diploma Thesis: Mobile client for IoT

Guidelines:
Review the platform independent frameworks for mobile application design and choose one for a development of a mobile application controlling IoT smart spaces.

The app will recognize the nearby wireless smart space HUB  
The app will support identification and authentication  
Upon HTTP GET the HUB will return a hypermedia type  
The hypermedia type will be walkable allowing discovery of all resources (sensors/actuators)  
The app will self configure and initialize a UI  
The app will allow also a user to add simple mobile apps.

Implement and test the app with an emphasis on usability.

Bibliography/Sources:
[2] Richardson, Leonard; Amundsen, Mike; Ruby, Sam, Restful Web Apis, O'reilly & Associates Inc, 2013


Valid until the end of the summer semester of academic year 2016/2017

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Prague, February 19, 2016