

APPMOB - Introduction

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heig-vd

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Objectives

Objectives for the course

- Develop a multi-platform hybrid mobile application with Ionic:
 - Build on the Citizen Engagement API developed in the previous course
 - Understand the basics of the Ionic mobile application framework
 - Understand the basic of the AngularJS web framework
 - Use native mobile functionality:
 - Camera
 - Learn to integrate external libraries and services:
 - Geo-location
 - Mapbox



Theme

IOT MIDDLEWARE FOR REACTIVE CITIES

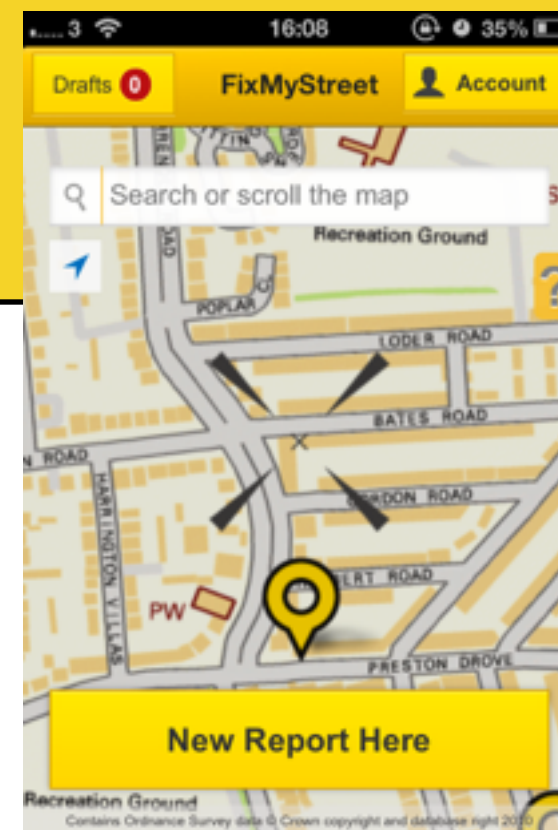
IF my city breathes THEN I can feel its pulse

CONTEXT

iFLUX is an ongoing project, conducted in the broader context of the iNUIT research programme at the University of Applied Sciences Western Switzerland. Whereas iNUIT intends to create a complete **IoT stack for smart city applications**, iFLUX focuses more particularly on the **middleware layer**. Our goal is to build an event-driven, rule-based environment that will make it easier to integrate the various iNUIT components and to automate urban workflows.

Web Services Course

Mobile App Course





Planning & Guidelines

Today (12.03)

Introduction

The Ionic Framework
Concepts & Installation

AngularJS
Concepts

Application Setup
UI Design & Skeleton App

After Today (13.03 + 18.03 + 19.03)

Angular UI Router
The Basics

Web Geo-location

Mapbox Integration

Cordova Camera Plugin & Image Upload