APPMOB - Introduction

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COMEM Applications Mobiles

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Haute Ecole d'Ingénierie et de Gestion
du Canton de Vaud

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Objectives

Objectives for the course

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- 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 basics of the AngularJS web framework

  - Use native mobile functionality:

    - Camera

  - Learn to integrate external libraries and services:

    - Geo-location
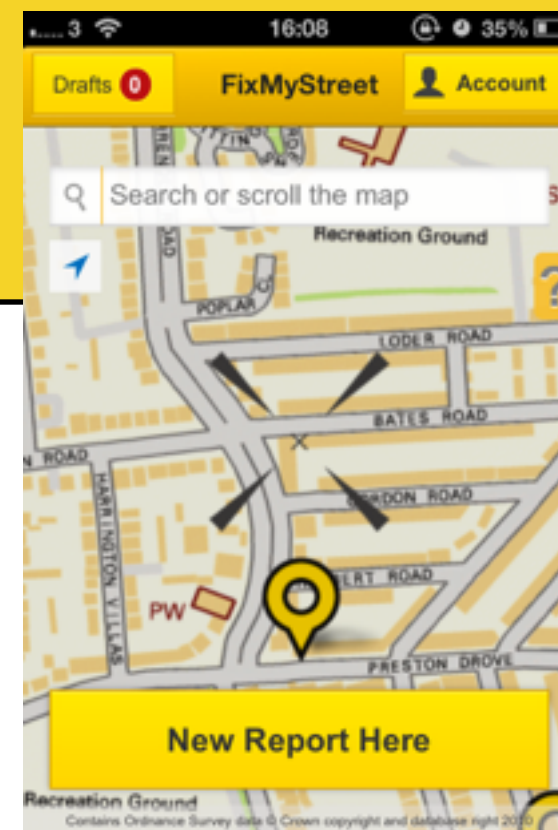
    - Mapbox

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 (April 4th)
Introduction
The Ionic Framework Concepts & Installation
AngularJS Concepts
Application Setup UI Design & Skeleton App

The Angular Scope
Angular UI Router

Asynchronous JavaScript in Angular
Web Geo-location

Mapbox Integration
JavaScript Closures

Cordova Camera Plugin
Image Upload