Wazimap USSD Documentation

Release 0.1

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February 05, 2016

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CHAPTER 1

Project overview and guidelines

1.1 Overview

Code4SA is an awesome South African non-profit organisation that is active in the open data, transparency and journalism space. During 2014 winter internship Merada Richter created a USSD application that allows people to query Code4SA's medicine price registry to allow people make better informed decisions around which brand medicine to buy and at what price. It is available on all South African mobile networks by dialling *120*8864*1399#. The code that powers is this a Vumi Javascript sandbox application, the code is available here.

We'd like to do the same for Code4SA's Wazimap. Wazimap is an awesome Django based web application that gives insight into the 2011 census data on a provincial, municipal, and ward level.

- We would like to explore what information is available via Wazimap's APIs, e.g.
  - http://wazimap.co.za/place-search/json/?q=melkbosstrand
  - http://wazimap.co.za/profiles/ward-19100023.json
- We would like to access this data from the Vumi's Javascript sandbox.
- We would like to design an application that allows people to query census data via USSD and receive the results via SMS.

Things one would learn:

- Developing a USSD & SMS application using Vumi's Javascript sandbox
- UX design within the constraints of a USSD application
- Writing tests

People to poke: Simon Cross (hodgestar), Justin van der Merwe (justinvdm), Rudi Giesler (rudigiesler)

1.2 Useful links

- Jsbox Toolkit documentation
- Jsbox Toolkit source
- Jsbox application skeleton
- Q promises
- Javascript
- Lodash

- Mocha test framework

CHAPTER 2

Wazimap USSD Application

CHAPTER 3

How to use the application

- Dial *120*8864*1601# from a mobile phone
- Visit www.wazimap.co.za

CHAPTER 4

Indices and tables

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