



Mercearias Online Rollout

Rollout a mobile app for grocery management

- Generally to have a simple, flexible, reliable and cheaper solution for grocery management can be a challenge from people outside from the technologic area;
- Grocery owners and managers have interest on using mobile and online tools to monitor from anywhere the busines.

Data Acquisition and cleaning

- Manual data collection referred by friend and relative
- Foursquare API to query about groceries in Maputo
- Google to fill in the phone numbers and emails
- Pandas to clean and merge the data
- In total 16 groceries were located and contacted their owners



Clean data

name	opening year	number of employees	have electronic system ?	address	phone number	email	city	lat	lng	accept
Mini Mercearias Mafalda	2019	1	YES	Bairro Matola-Gare, Matola-Maputo	+258 84 0546824		Matola			YES
Mini Mercearias Balbina Hilário	1998	1	NO	Rua do Regimento, Bairro da Urbanização, Maputo	+258 84 8995929		Maputo			YES
Complexo Mozakil	2014	1	NO	Av. Sebastião Marcos Mabote, Bairro do Magoanine	+258 84 4624254		Maputo			YES
Mercearia Marília	2019	2	NO	Prolongamento da av. Vladimir Lenine 394, Xiquelene Maputo - Moçambique	+258 84 3973994		Maputo			YES
Mercearia Mozal	2017	2	NO	Rua da Mozal, Matola	+258 84 5084593		Matola			YES
Mercearia khan	2015	5	YES	['Maputo', 'Moçambique']	+258 21 311374		Maputo	-25.96843831	32.57226219	YES
Mercearia CCPolana	2016	8	YES	['Av. Ahmed Sekou Touré', 'Maputo', 'Moçambique']	+258 82 1234567	ccpolana@ccpolana.co.mz	Maputo	-25.9690361	32.58243179	YES
Mercearia Estrela	2017	3	YES	Av Ho Chi Min 1673	+258 21 326619		Maputo	-25.95906575	32.56781097	YES
Mercearia Mau Tsé Tung	2017	8	NO	['Maputo', 'Moçambique']	+258 21 3030270		Maputo	-25.96529798	32.59204184	YES
Mercearia Torres Vermelhas	2014	2	NO	['Moçambique']	+258 21 3235271		Maputo	-25.98043952	32.58776189	NO
Mercearia Dinamica	2016	2	NO	['Maputo', 'Moçambique']	+258 21 3035876		Maputo	-25.97526247	32.58980011	YES
Mercearia R & K	2015	1	NO	['Moçambique']	+258 84 3032207		Maputo	-25.94446831	32.46076415	YES
Mercearia D'Amour	2016	2	NO	['Rua Fios', 'Matola', 'Moçambique']	+258 84 3132208		Matola	-25.863326	32.496483	NO
Mini-Mercearia 1º de Maio	2018	2	NO	['Maputo', 'Moçambique']	+258 84 3032609		Maputo	-25.89649945	32.60660082	YES
Nossa Mercearia	2015	2	NO	['Condomínio Open - Dona Alice', 'Maputo', 'Moçambique']	+258 84 3732210		Maputo	-25.905917	32.632635	YES
Mercearia Famamel	2016	1	NO	['Estrada Nacional 200', 'Mahubo', 'Moçambique']	+258 84 3832211		Mahubo	-26.14849	32.338468	YES



Groceries with and without electronic system

	name	opening year	number of employees	address	phone number	email	city	lat	lng	Accept
have electronic system ?										
NO	12	12	12	12	12	0	12	8	8	12
YES	4	4	4	4	4	1	4	3	3	4

Conclusion and future direction

- 90 % of grocery owners and managers want a mobile and online system;
- The solutions must be simple, flexible, reliable and cheap;
- More than new fashion is a big necessity tool;
- Increase the number of grocery to rollout;



Thank you