

Urban Ariel Food Zone Mapping System

William Bardsley



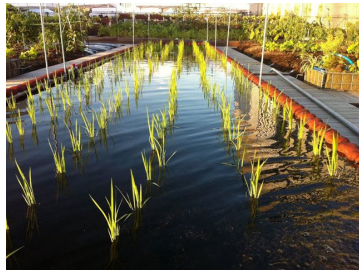
The Project

Aim

- Develop a web-based app that locates and stores spaces that could be used for urban farming.

Presentation Layout

1. Urban Farming
2. The Company
3. Requirements
4. Languages Used
5. The Map
6. Additional Features



Urban Farming

- Raising awareness for health and wellness.
- Inspiring and educating youth, adults and seniors.
- Create an economically sustainable system to uplift communities around the globe.
- In Tokyo, urban farming is even used to cultivate rice on rooftops.

(source: urbanfarming.org/about.html)

Picture source: <http://popcity.net/green/top-5-of-the-greatest-urban-rooftop-farms/>

The Company



The Company: EcoideaM Ltd

Contact: John Ferguson

- Scottish based environmental facilitation and ideas company.
- Clean technology development, eco innovation parks and much more.
- Urban farming/rooftop farming/vertical farming as a means of development in an untapped market.

Requirements

- Picture of the space
- Area
- GIS coordinates
- Shape of space
- Geographical weather datasets

Languages Used

- JavaScript for embedding the map using OpenLayers.
- PHP for handling a SQLite database queries.
- CSS for some very basic styling
- jQuery and AJAX to make the page dynamic.

The Map



Urban Ariel Food Zone Mapping [Logout](#)

Select an entry to view:

- Stirling Library
- Berwick St
- Urban St
- Great Peter St
- Shaftesbury Ave
- Dunry Ln
- Rose St N Ln
- George St
- Rose St S Ln
- Dairy Rd
- George Square
- Anthony Street
- Renfield St
- Sauchiehall St
- Berwick Street
- sdf
- rea
- random

Street Name:
Town/City:
Roof Size:
GPS Position:

Adding New Data



navigate
 measure distance
 measure area
 use geodesic measures
 use immediate measures

Street Name:
Town/City:
Shape Size:
GPS Position:

Database

Need help? Click [here](#) for instructions.

Delete Edit Advanced Search Logout

| | Street Name | Town/City | Size of Rooftop | GPS position |
|---|------------------|-----------|-------------------|---------------------------------|
| ⊙ | Stirling Library | Stirling | 2496.4588888889 | 56.146,-3.921 |
| ⊙ | Berwick St | London | 201.203333333333 | 6712524.140136899 |
| ⊙ | Urfwin St | London | 393.553333333333 | 6707086.8100456 |
| ⊙ | Great Peter St | London | 440.135 | 6709629.983437549 |
| ⊙ | Shaftesbury Ave | London | 1229.74333333333 | 6712083.5821869 |
| ⊙ | Drury Ln | London | 527.608333333333 | 6712821.602595599 |
| ⊙ | Rose St N Ln | Edinburgh | 463.462777777778 | 7549173.9934152495 |
| ⊙ | George St | Edinburgh | 231.081666666667 | 7549166.7527984 |
| ⊙ | Rose St S Ln | Edinburgh | 451.904444444444 | 7548927.88708495 |
| ⊙ | Dalry Rd | Edinburgh | 2068.87944444444 | 7547109.2979052495 |
| ⊙ | George Square | Edinburgh | 1038.95944444444 | 7547351.8958956 |
| ⊙ | Anthony Street | Glasgow | 536.635 | 7530529.70338705 |
| ⊙ | Renfield St | Glasgow | 1397.855 | 7531458.36849325 |
| ⊙ | Sauchiehall St | Glasgow | 1277.259 | 7531640.2050176 |
| ⊙ | Berwick Street | London | 189.1 | 6712521.9007708 |
| ⊙ | sdf | fds | 6852.76277777778 | 7581547.76212935 |
| ⊙ | rea | asd | 3040.55444444444 | 7581496,-437852 |
| ⊙ | random | random | 4092.78722222222m | 7581595.535272,-437761.65367198 |

Stirling Library
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 Rose St S Ln
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 Sauchiehall St
 Berwick Street
 sdf
 rea
 random

View On Map

Additional Features

- Login page and registration page.
- Once logged in, a user's session starts until they log out or close the browser.
 - If a user has not logged in they cannot access the rest of the site.
- Multiple sessions can be run at a time to allow for administrative access.
- Passwords can be MD5 encrypted.
- Checks if JavaScript is enabled at login page.

Thank you for your attention!

