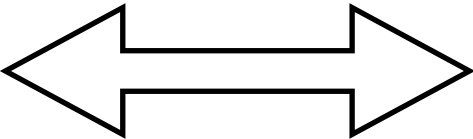# Inventar.io

A Platform for Email-based Apps
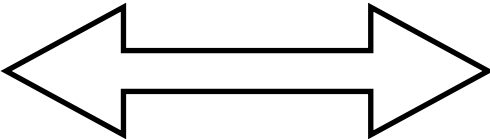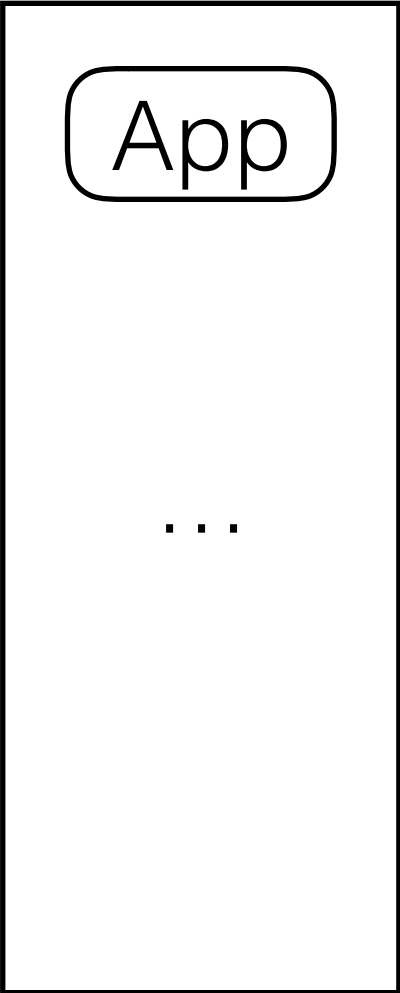
Premise

- Email is more generally accessible than wifi

- Limited WWW connection through text content

- Empower developers with connectivity

User   Developer   WWW

App

...

...

App Example

```python
def process(self, email):
    """Main process function for "Wikipedia" app"""

    #======[ Step 1: Query wikipedia API ]======
    wiki_summary = wikipedia.summary(email.subject.strip())

    #======[ Step 2: Compose response message ]======
    email_subject = "Wikipedia Resultados: {}".format(email.subject.strip())
    email_body = "{} Summary:\n{}".format(email.subject.strip(), wiki_summary),

    #======[ Step 3: send results    ]======
    self.email_client.send_message(email.user, email_subject, email_body)
```

Existing Apps

wiki@ivioapp.com	Wikipedia Articles	Subject: search query
translate@ivioapp.com	Google Translate	Subject: target language Body: content
clima@ivioapp.com	Weather Reports	Subject: location name
yikyak@ivioapp.com	Anonymous Messageboard	Subject: post content Body: receives feed

System Implementation

- Web server: Python + WebApp2

- Email: Mandrill API

- Storage: Orchestrate API (remote NoSQL)

Contribute

github.com/jayhack/inventar.io