

Python Project 1 Plan

Project Idea

When are the most popular clothing stores having sales events?

User Story

As a digest recipient, I want to receive an email everyday with lists of current and future sales events from the most popular clothing stores so that I can stay updated on the best deals and save more money.

Functional Requirements

Generate a random inspirational quote

Retrieve a popular fashion article

Retrieve sales events information for a specified location

Retrieve current Twitter Trends

Format content into an email

Send email to specified recipients

Non- Functional Requirements

Configurable using admin GUI

Extensible to add more content types

Resilient to content errors

Program Architecture Blue- Content Orange- Email

Nouns Location credentials

Quote trends content

Article recipient email

Events time GUI

CONTENT
Generate Quote – get_quote() Retrieve Article – get_article() Retrieve Events – get_events() Retrieve Trends – get_trends()

EMAIL
Recipients: List Format content – format_content() Send email – send_email() Time: send_time

GUI
Configure content – config_content() Add recipients – add_recipients() Remove recipients – remove_recipients() Schedule Time – schedule_time() Configure credentials – config_credentials()

UML DIAGRAM

