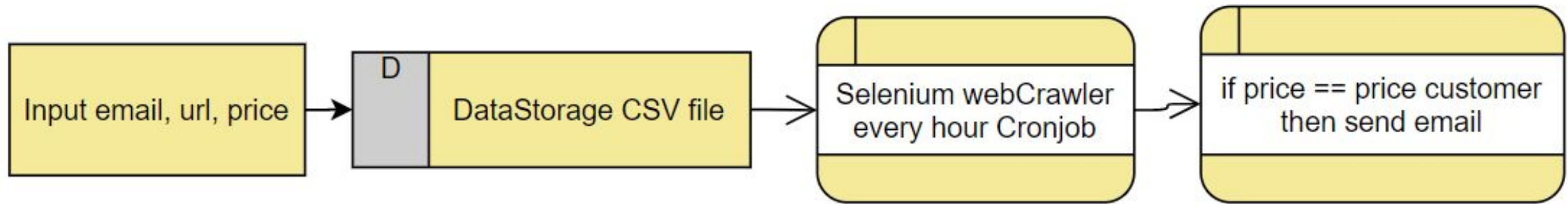# Amazon Price Tracker

Alex Singh – Federico Pessina

Purpose

- Crawl prices of Amazon.com from Url of the product
- Retrive the price
- Store it into a DB
- Send an email of notification of when we reach the desired price

Data Flow

Input email, url, price → D DataStorage CSV file → Selenium webCrawler every hour Cronjob → if price == price customer then send email

Streamlit User Interface

Streamlit User Interface

SMTP email script

```python
import socket
import smtplib
from email.mime.multipart import MIMEMultipart
from email.mime.text import MIMEText
def email(email,price,url):
    message = " 'Your product reached at  '+ price +'hurry now  '+ url"
    msg = MIMEMultipart()
    password ="abcxyx"
    msg['From'] = "federicofakeid@gmail.com"
    msg['To'] = x
    msg['Subject'] = "Amazon Price Tracker"
    msg.attach(MIMEText(message, 'plain'))
```

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Problems

- Compatibility between Stremlit and Linux OS for deployment
- Free SMTP servers were required 2 key authentication

Future work

- Change Streamlit user interface to more stable dashboard for Linux