

# 1. Introduction

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## 1.1 PURPOSE

The purpose of this document is to build an system to notify the user if price of the product drops. i.e. to build an price alert system using email notification.

## 1.2 PROJECT SCOPE

The project is build on Python and is an automatic price alert checker that will give the user an email alert if there is a price drop. There are mainly three libraries required “request” for communicating with HTTP server, “Beautiful Soup “ for communicating with web page and extracting web elements, “smtplib” for sending email alerts.

# 2. OVERALL DESCRIPTION

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## 2.1 PRODUCT PRESPECTIVE

A price notifying app requires two inputs

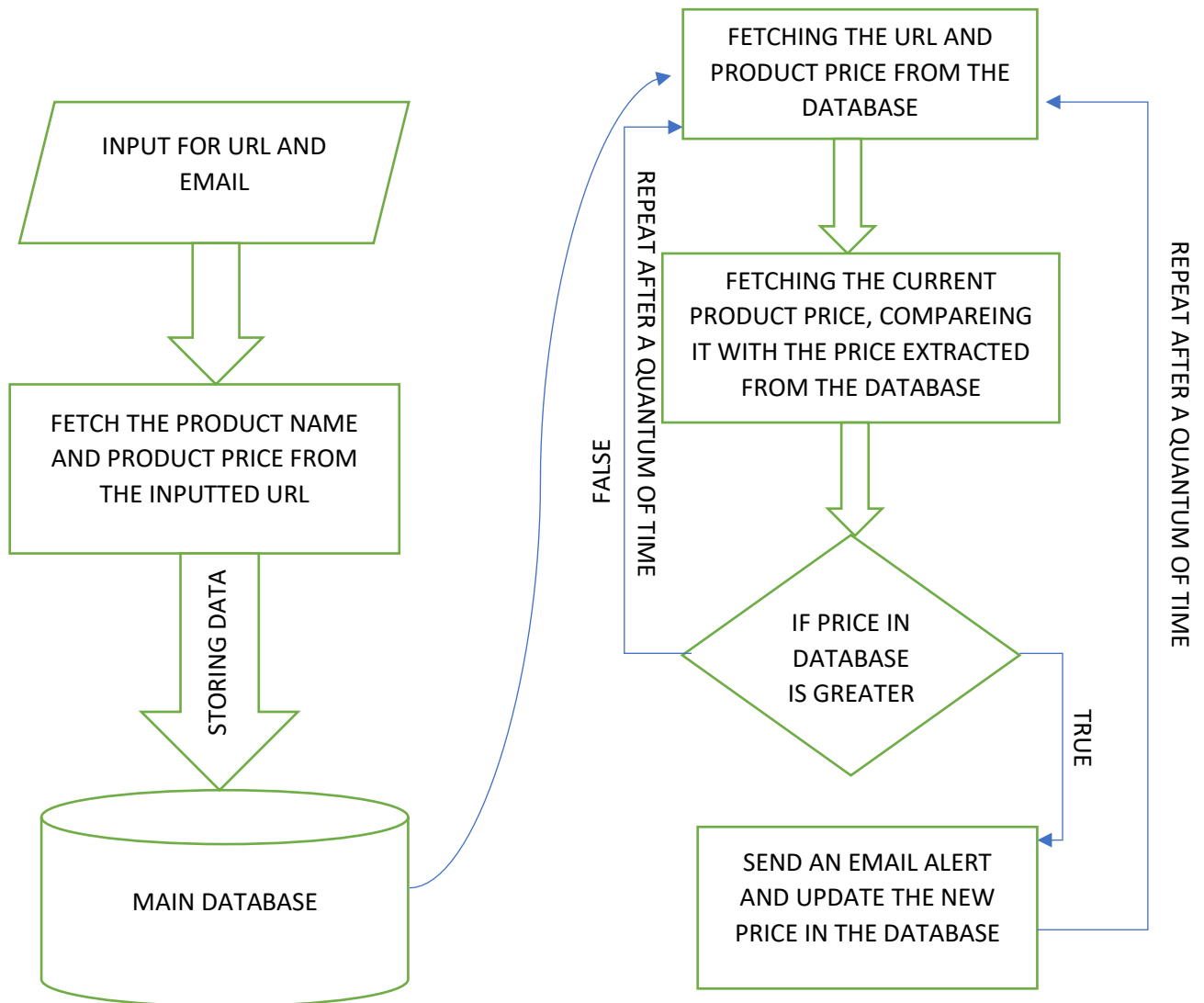
- Product [URL :-](#) To fetch the product information from the URL. The fetched information includes:-
  - Product name
  - Product current price
- Email :- This also requires a valid email id to send alerts if price of the product falls.

After fetching the details , the details including Product name, Product Price, Product URL and the Email id are stored in an SQL database

On the other hand another program is set to run every 6 hour using windows task scheduler which fetches all the details from the database and one by one grabs every URL

and fetch the price from the URL again, compare the price and sends an email to the corresponding email address if the price falls down

## 2.2 PRODUCT FEATURES



## 2.3 OPERATING ENVIRONMENT

Operating environment of Price notifying system is as listed below

- Operating System: Windows
- Database: SQL
- Platform: Python/HTML/CSS
- Windows task scheduler