



# **WEATHER FORCASTING BY WEB SCRAPPING**

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# INTRODUCTION

- Web scraping (or data scraping) is a technique used to collect content and data from the internet. This data is usually saved in a local file so that it can be manipulated and analyzed as needed. If you've ever copied and pasted content from a website into an Excel spreadsheet, this is essentially what web scraping is, but on a very small scale.
- In this paper, an imitated structure is made to predict diverse climate conditions transversely over Indian subcontinent using web scrapping , for instance, straight backslide and vital backslide. For the most part, climate prediction has constantly been performed by physically reproducing the atmosphere as a component.
- By web scrapping information about the weather of a locality is predicted.



# MODULES

## 1. ADMIN

a.Admin can login

b..He can view the users

c.He can add the notification

d.Dataset Management

e.Preprocessing

f.Testing



# MODULES

## 2. USERS

- a. User can Register by his details
- b. He can login when he Registered
- c. Search weather (Web scrapping)
- e. He can Send feedback
- f. He can view the Notification



# LANGUAGE USED

❖ FRONT END

PYTHON

❖ BACK END

MYSQL,

❖ FRAME WORK

FLASK




## BACKLOGS

ID	NAME	PRIORITY	ESTIMATE
1	REGISTRATION	1	4
2	LOGIN	2	4
3	PROCESS	3	8
4	REPORT GENERATION	4	8
5	FEEDBACK	5	4

# USER STORY

<b>Story id</b>	<b><u>As a &lt;Type of user&gt;</u></b>	<b>I want to</b>	<b><u>So that i can</u></b>
1	Admin	login	Login successful with correct password and username
2	Admin	verify	Authenticate the user
3	Admin	View and edit	View and edit users
4	Admin	View feedback	View the feedback by user
5	Admin	Add notifications	Add notification to the user

# USER STORY



6	User	Login	User login to the site
7	User	Search weather	Search the weather condition
8	User	Predict the weather	Predict the weather by web scrapping
9	User	Send feedback	Send the feedback to the user
10	user	View notification	View the notification added by the user



# DEVELOPING ENVIRONMENT



## HARDWARE SPECIFICATION

- ☐ Processor : 64 bit
- ☐ RAM : Min 3 GB
- ☐ Hard disk : 10 GB



## SOFTWARE SPECIFICATION

- ☐ Operating system : windows 8 or above, android
- ☐ Technology used : Python
- ☐ IDE : PyCharm , Eclipse/ AndroidStudio
- ☐ Frame work : Flask
- ☐ Database : MYSQL