

HX8001 - PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP

NEWS TRACKER APPLICATION

TEAM ID : PNT2022TMID50117

AKASH KUMAR JENISHVAR .R

ALWIN DEIVA SIGAMANI.A

AROCKYA JOSEPH RAJ .A

AUGUSTIN.K

In partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING

**JAYARAJ ANNAPACKIAM CSI COLLEGE OF ENGINEERING COLLEGE,
NAZARETH**

ANNA UNIVERSITY : CHENNAI 600 025

NOVEMBER-DECEMBER 2022

ABSTRACT

Everyone has the right to freedom of speech. However, this right is being misused to differentiate and attack others, physically or verbally, in the name of free speech. This discrimination is known as hate speech. Hate speech can be well-defined as language used to express hate towards a person or a group of people based on characteristics such as race, religion, ethnicity, gender, nationality, disability and sexual orientation. The increasing usage of social sites and information sharing has specified major benefits to humanity. However, this has also assumed rise to a variety of challenges including the spreading and sharing of hate speech messages. Thus, to solve this emerging issue in social media sites, recent studies employed a variety of machine learning and deep learning algorithms with text mining algorithm to automatically detect the hate speech messages on real time datasets. Hence, the aim of this Project is to analyses the comments on social networks using Natural Language processing technique (NLP) and Deep learning algorithm named as Back propagation neural network algorithm. Using NLP technique, can extract the keywords from user generated content and implement Back Propagation neural network to classify the text whether it is positive or negative. If it is negative means, automatically block the comments as per user wish and also block the friends based on pre-defined threshold values. Experimental results shows that the proposed framework implemented in real time social network site with improved notification .

TABLE OF CONTENT

CHAPTER	CONTENTS	PAGE NO
1	INTRODUCTION 1.1 PROJECT OVERVIEW 1.2 PURPOSE	5
2	LITERATURE SURVEY 2.1 EXISTING PROBLEM 2.2 REFERENCES 2.3 PROBLEM STATEMENT DEFINITION	6
3	IDEATION & PROPOSED SOLUTION 3.1 EMPATHY MAP CANVAS 3.2 IDEATION AND BRAINSTORMING 3.3 PROPOSED SOLUTION 3.4 PROBLEM SOLUTION FIT	8
4	REQUIREMENT ANALYSIS 4.1 FUNCTIONAL REQUIREMENTS 4.2 NON-FUNCTIONAL REQUIREMENT	11
5	PROJECT DESIGN 5.1 DATA FLOW DIAGRAMS 5.2 SOLUTION AND TECHNICAL ARCHITECTURE	14

	5.3 USER STORIES	
6	6. PROJECT PLANNING AND SCHEDULING 6.1 SPRINT PLANNING AND ESTIMATION 6.2 SPRINT DELIVERY SCHEDULE 6.3 REPORTS FROM JIRA	18
7	CODING & SOLUTIONING 7.1 FEATURE 1 7.2 FEATURE 2 7.3 DATABASE SCHEMA	20
8	TESTING 8.1 TEST CASES 8.2 USER ACCEPTANCE TESTING	23
9	ADVANTAGES & DISADVANTAGES	24
10	CONCLUSION	25
11	FUTURE SCOPE	26
12	APPENDIX	27

CHAPTER - 1

INTRODUCTION

1.1 PROJECT OVERVIEW :

The application is exclusively for the news reader's who need the whole update in their hand. It consists of various news on the daily basis which can be easily readable for the user's. The whole regional news can be covered with each domain. There is many popular people's account in our application and the people can be followed to get their daily updates.

Integrate the application with news APIs and store the data in the database. The database will have all the details and the user can search the news by using a search bar.

1.2 PURPOSE:

As our lives are very busy these days, we often feel we need more than 24 hrs. a day to cope up with everything we have in our schedule. Well, that's not possible but reducing the time by changing the conventional method of reading news can help. Just tell us what market news you're interested in and get a quick peek for the day. Only read what you feel is relevant and save your time. This app helps you to query for all information about Indices, Commodities, Currencies, Future Rates, Bonds, etc.... as on official websites.

CHAPTER - 2

LITERATURE SURVEY

2.1 Existing problem

The existing system has many Features which is only implemented in some countries. The system is made up of HTML, CSS and Java script. The existing system provide many services to the user based on their needs. The system contains every news which user can sort by their own. The system has an account of popularity person in order to follow them and to know their news.

2.2 REFERENCES

PAPER 1:

TITLE : Exploring mobile news reading interactions for news app Personalization

AUTHOR : Marios Constaninides, John Dowell.

DESCRIPTION:

As news is increasingly accessed on smartphone sand tablets, the need for personalising news app interactions is apparent.

PAPER 2:

TITLE : Survey on Virtual Assistant

AUTHOR: Amrita Sunil Tulshan

DESCRIPTION:

Many services were covered by these assistants but still there are some improvements required in voice recognition, contextual understanding and hand free interaction.

2.3 Problem Statement Definition:

Problem Stateme nt(PS)	I am(Custo mer)	I'm trying to	But	Because	Which makes me feel
PS-1	I am Student	I'm trying to get quick access of technology news	But the applicatio n push the irrelevant news	Because of poor optimization	Which makes me feel annoying
PS-2	I am blogger	I'm trying to read specific News articles	But it displays unrelated articles	Because of poor optimized filter option	Which makes me feel disappointed

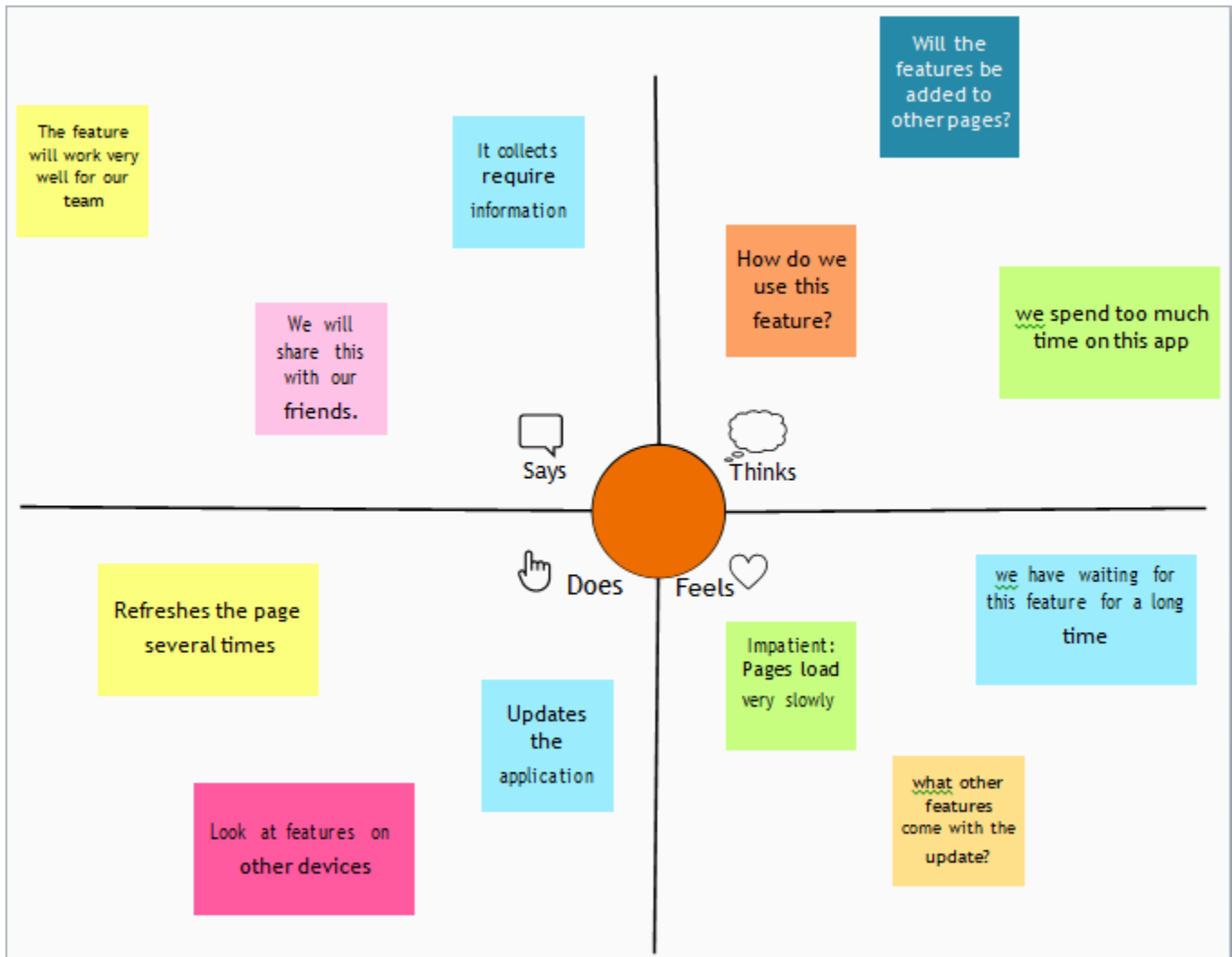
Customer Problem Statement:

A well-articulated customer problem statement allows us to find the ideal solution for the challenges our customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive the news. There may be many fake news and the news can be filtered by news api.

CHAPTER - 3

IDEATION & PROPOSED SOLUTION

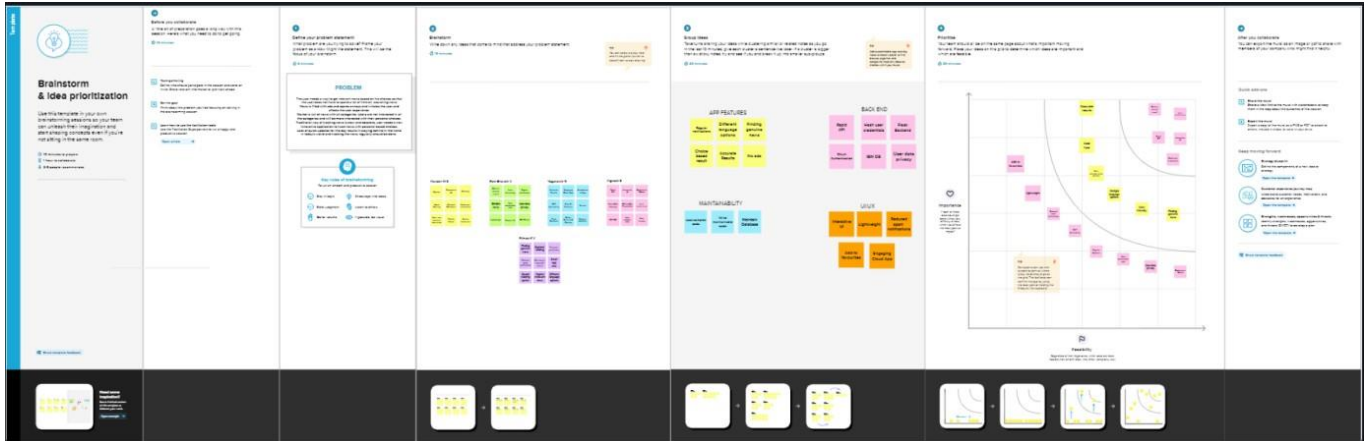
3.1 EMPATHY MAP CANVAS



Mural link:

<https://app.mural.co/invitation/mural/pnt2022tmid501175899/1662991091339?sender=uf7f9eea7c1d844daab415636&key=40b298a2-f2d7-41a9-a922-67a13d804414>

3.2 IDEATION & BRAINSTORMING



Mural Link :

<https://app.mural.co/invitation/mural/pnt2022tmid501175899/1666101091999?sender=uf7f9eea7c1d844daab415636&key=2c7030b0-d63c-4e9a-9501-96116a41daa7>

3.3 PROPOSED SOLUTION

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Employee	Get updates on latest news and affairs	There are too many news out there so it get really confusing	But there is no free time	Not updated on the news
PS-2	Student	Get news update on my phone	Need filter option or suggestion on my taste	I need a faster way than reading the news paper	Excited for there applications
PS-3	Reporter	Report misleading news	I am unable to do that	But there is no ways to report these news	Implementation to customer care necessary

3.4 PROBLEM SOLUTION FIT

Project Title: News Tracker Application Project Design Phase-I : Problem Solution Fit Team ID:PNT2022TMID50567

Define CS, filter into CC	1.CUSTOMER SEGMENT(S) <p>Hackers,CCTNS(crime and criminal tracking network and system),commercial and scientific purposes,media monitoring.</p>	6.CUSTOMER CONSTRAINTS <p>As much as service providers need to cater to the needs of their customers, it is just as important for them to satisfy their customers.</p>	5.AVAILABLE SOLUTIONS <p>The internet and the intermingling of social media with important worldwide events has made it almost impossible to live under a rock. But finding a reliable one-stop shop to engage with your news can be somewhat of a challenge.</p>	Explore the CS, filter into CC
	2.JOBS-TO-BE-DONE / PROBLEMS <p>We've written a whole white paper on the topic ,and examples of how our stories have produced such change-from the registration. It corrupt officials to the passage of news laws- are compiled in our annual reports, on this page you'll find our reporting on the impact of our work.</p>	9.PROBLEM ROOT CAUSE <p>User doesn't want to waste time figuring out the the relevance of the news young people don't read news from apps, usually depend on social media to get updated Users sometimes get overwhelmed by too many categories.</p>	7.BEHAVIOUR <p>User experience,content performance popularity sharing the news, conversion rate optimization ,checkout process website accesibility,livechat and first and foremost,user data is super important.</p>	
Focus on JJP, ignore the under stand CC	3.TRIGGERS <p>This news app is a big interactive database that think of it like would any other piece of journalism .It just uses software instead of words and pictures.</p>	10. YOUR SOLUTION <p>Realtime monitoring ,working condition is ensured and restricted permission from entering highly secured areas.</p>	8.CHANNELS of BEHAVIOURS 8.1 ONLINE <p>A few of these local stories were the result of formal partnerships, but the majority were done quite independently – in some cases, we didn't have much if any knowledge that the story .</p> 8.2 OFFLINE <p>Although marketing has gone largely digital, the offline advertising world is still a significant one, means a lot of money gets spent on display ads.</p>	Focus on JJP, ignore the under stand CC
	4.EMOTIONS: BEFORE /AFTER <p>Fearness,satisfaction,anger and two sentiments(positive and negative)using to extraction.</p>			
Identify strong fit & EM				Explore the CS, filter into CC

CHAPTER - 4

REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENT

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through online application Registration through website
FR-2	User Confirmation	Confirmation via Email
FR-3	User login	Login through browser directly by entering username and password Login through email
FR-4	User interaction	Done through user interface between client and server View the related news by subscribed or requested page

4.2 NON-FUNCTIONAL REQUIREMENTS

FR No.	Non-Functional Requirement	Description
NFR- 1	Usability	End users can receive daily updates for new content on a site's news feed
NFR-2	Security	How well are the system and its data protected against attacks
NFR- 3	Performance	Performance is the core non-functional requirements which no system can do without it. It defines how fast a software system or a particular piece of it responds to certain users actions under a certain workload. At most in every case, this metric explains how long a user must wait before the target operation happens to give the overall number of users at the moment.

NFR-4	Availability	<p>Availability describes how likely the system is accessible to a user at a given point in time. While it can be expressed as an expected percentage of successful requests, you may also define it as a percentage of time the system is accessible for operation during some time period. For instance, the system may be available 98 percent of the time during a month. Availability is perhaps the most business-critical requirement, but to define it, you also must have estimations for reliability and maintainability.</p>
NFR- 5	Scalability	<p>Scalability assesses the highest workloads under which the system will still meet the performance requirements. There are two ways to enable your system scale as the workloads get higher: horizontal and vertical scaling.</p>

CHAPTER - 5

PROJECT DESIGN

5.1 DATA FLOW DIAGRAM:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically.

It shows data entering and leaving the system, what changes the information, and where data is stored.

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

5.2 SOLUTION & TECHNICAL ARCHITECTURE

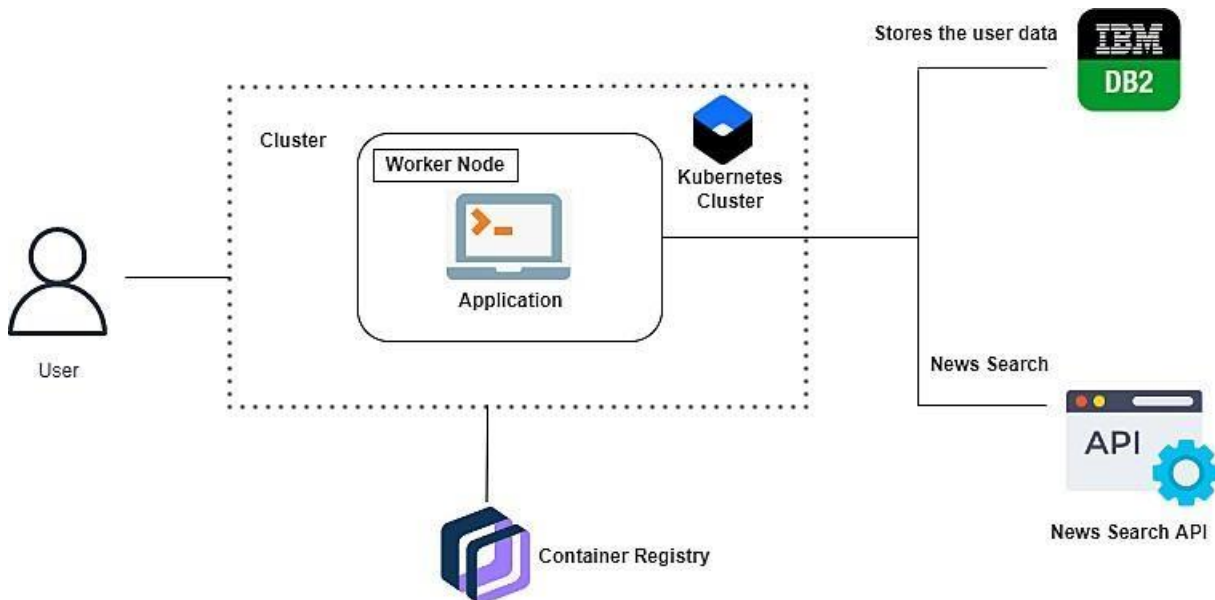


TABLE-1: COMPONENTS & TECHNOLOGIES

S.No	Component	Description	Technology
1.	User Interface	The user can interact with the application to know about the trending news	HTML, CSS, JavaScript / React Js etc.
2.	Application Logic-1	The application contains this resource gives you basic understanding of Flask.	Python Flask.
3.	Application Logic-2	The application contains the news sub-division like business news, economic news and general news.	IBM Watson STT service
4.	Database	User details are getting stored in the MySQL database.	MySQL, etc.
6.	Cloud Database	With the use of cloud , media coverage issue cannot be occurred and the images can be accessed via cloud	IBM DB2.

5.3 USER STORIES

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering email, password, and name	I can access my account dashboard	High	Sprint-1
		USN-2	As a user, I will redirected to the login page	I can access the web application	High	Sprint-1
		USN-3	As a user, I will register for the application through Gmail account	I can register & access the dashboard with Username login	Low	Sprint-2
	Login	USN-4	As a user, I can log into the application by entering Username &	I can view all types of information through this	High	Sprint-1

			password	application		
	Dashboard	USN-1	As a user, I can log into the application and look into my dashboard	I can Look into My Dashboard after my login	Low	Sprint-1
		USN-2	As a user, I can log into the application and update my personal data	I can view the personal data which can be updated by the user	Low	Sprint-2
		USN-3	As a user, I can log into the application and read news based on my filter contents	News contents are filtered based on the user needs	High	Sprint-1

CHAPTER - 6

PROJECT PLANNING AND SCHEDULING

6.1. SPRINT PLANNING & ESTIMATION:

Sprint 1:

- 1.We created a Flask Project.
- 2.Added all the routes needed for our project.
- 3.Created Tables in IBM Cloud.

Sprint 2:

- 1.We added all the html templates needed for our project.
- 2.We styled those pages using CSS and Bootstrap.
- 3.We wrote Queries to connect IBM Cloud Database.
- 4.Finished all the Fetching and Posting Stuff of IBM Cloud Database Integration.

Sprint 3:

- 1.Integration of Send grid into our application.

Sprint 4:

- 1.Deploying the application using Docker and Kubernetes.

6.2. SPRINT DELIVERY SCHEDULE

Project Tracker, Velocity & Burn down Chart

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022		31 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

Sprint Delivery Schedule

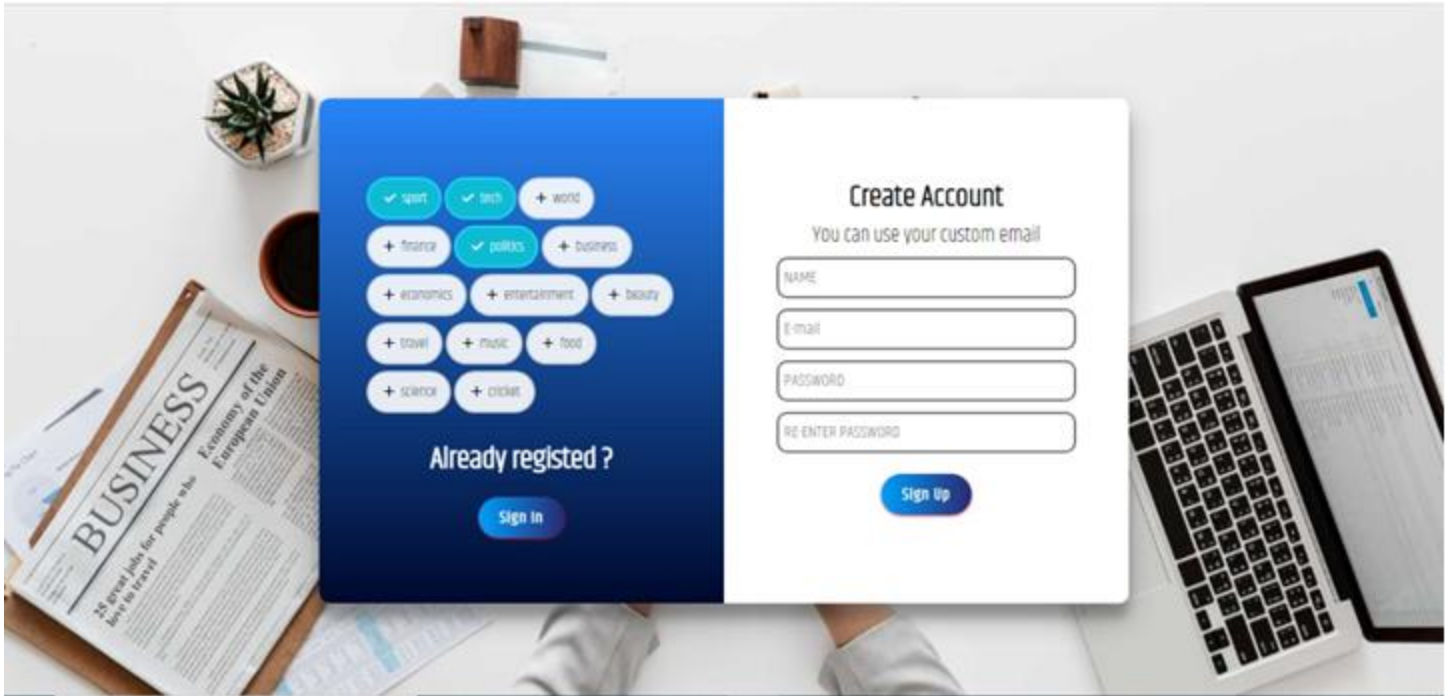
Velocity We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint).
Calculating the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{sprint duration/velocity} = 20/6 = 3.33$$

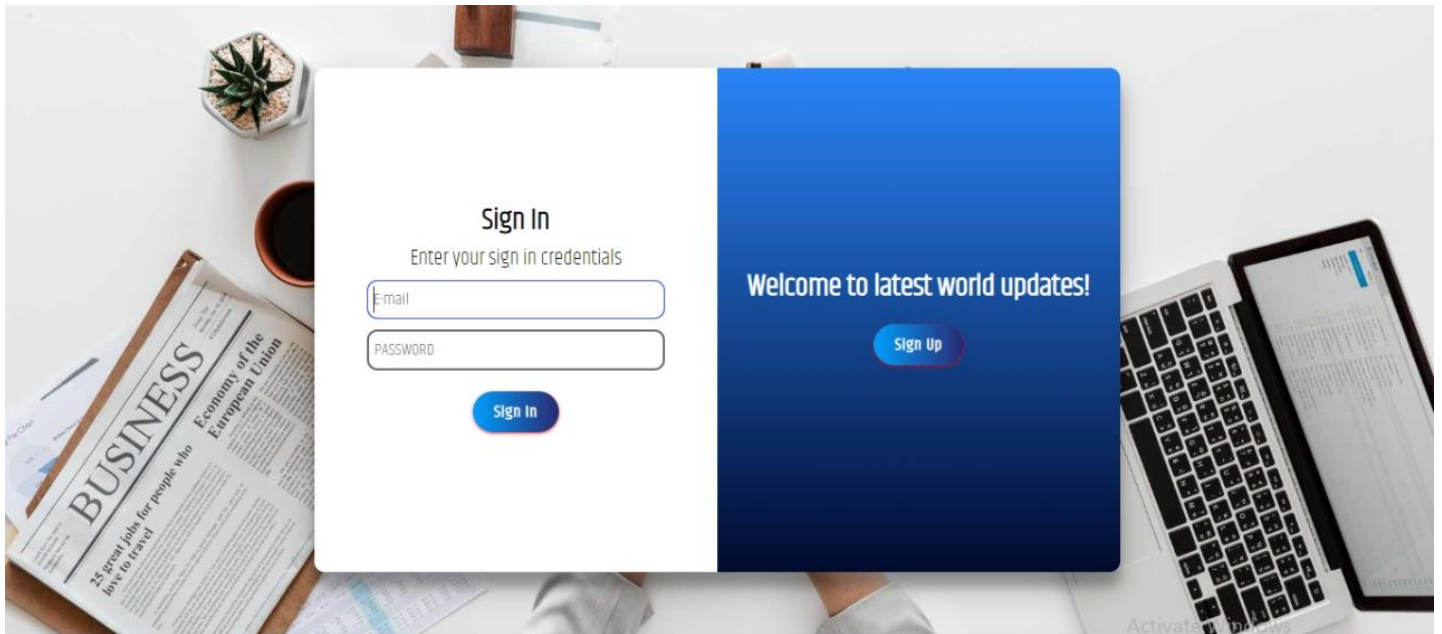
CHAPTER - 7

CODING AND SOLUTIONING (Explain the features added in the project along with code)

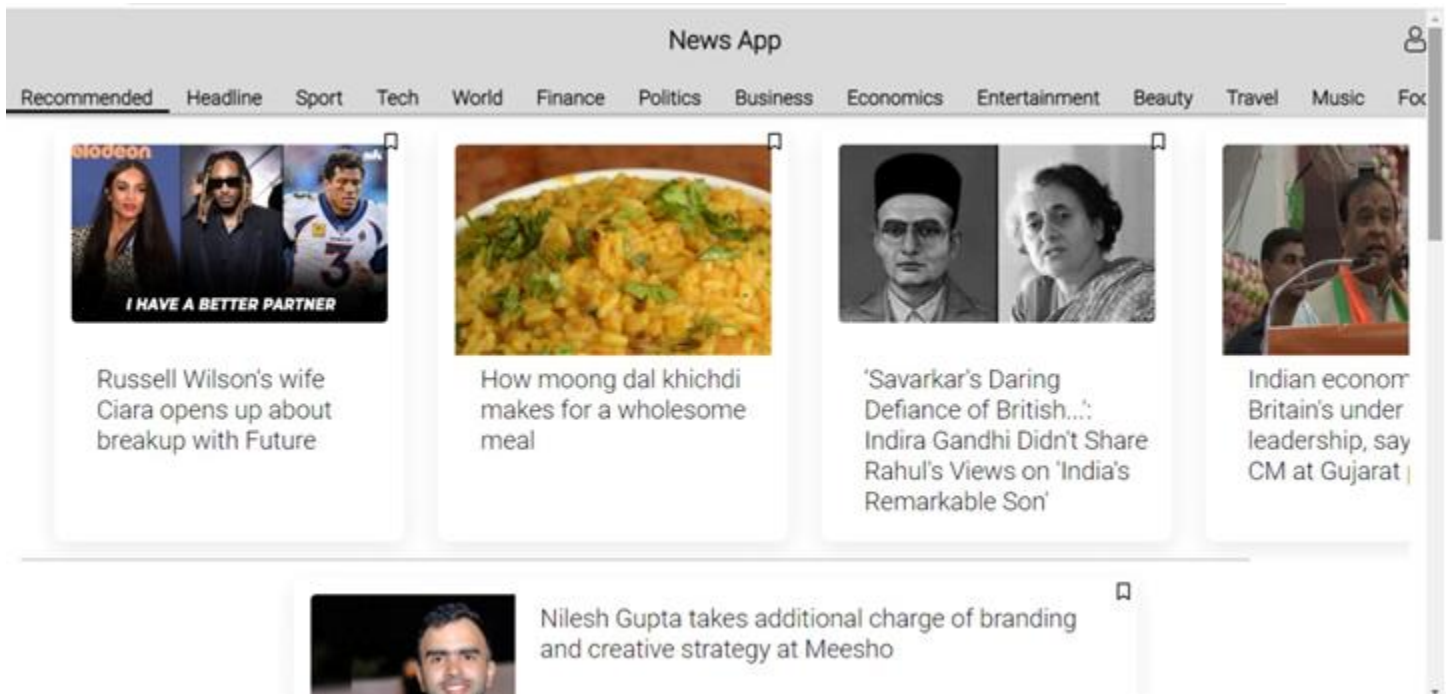
Signup page



Sign in page



Home page



Book marks

News App



'Savarkar's Daring Defiance of British...': Indira Gandhi Didn't Share Rahul's Views on 'India's Remarkable Son'

18/11/2022

politics

CHAPTER - 8

TESTING

8.1 USER ACCEPTANCE TESTING

				Project Name	NewsTracker Application								
				Maximum Marks	4 marks								
Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	TC for Automation(Y/N)	BUG ID	Executed By
.oginPage_TC_001	Functional	Home Page	Verify user is able to see the Login/Signup popup when user clicked on My account button		1.Enter URL and click go 2.Click on My Account dropdown button 3.Verify login/signup popup displayed or not	https://shopasaur.com/	Login/Signup popup should display	Working as expected	Pass				Euseppiah
.oginPage_TC_002	UI	Home Page	Verify the UI elements in Login/Signup popup		1.Enter URL and click go 2.Click on My Account dropdown button 3.Verify login/signup popup with below UI elements: a.email text box b.password text box c.Login button d.New customer? Create account link e.Last password? Recovery password link	https://shopasaur.com/	Application should show below UI elements: a.email text box b.password text box c.Login button with orange colour d.New customer? Create account link e.Last password? Recovery password link	Working as expected	Fail	Steps are not clear to follow		BUG-1234	Koesick Srinivas
.oginPage_TC_003	Functional	Home page	Verify user is able to log into application with Valid credentials		1.Enter URL(https://shopasaur.com/) and click go 2.Click on My Account dropdown button 3.Enter Valid username/email in Email text box 4.Enter valid password in password text box 5.Click on login button	Username: chahm@gmail.com password: Testing123	User should navigate to user account homepage						Narasanth
.oginPage_TC_004	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopasaur.com/) and click go 2.Click on My Account dropdown button 3.Enter Invalid username/email in Email text box 4.Enter valid password in password text box 5.Click on login button	Username: chahm@gmail.com password: Testing123	Application should show "Incorrect email or password" validation message.						Narasanth Raja
.oginPage_TC_004	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopasaur.com/) and click go 2.Click on My Account dropdown button 3.Enter Valid username/email in Email text box 4.Enter Invalid password in password text box 5.Click on login button	Username: chahm@gmail.com password: Testing123678686786876	Application should show "Incorrect email or password" validation message.						Narasanth
.oginPage_TC_005	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopasaur.com/) and click go 2.Click on My Account dropdown button 3.Enter Invalid username/email in Email text box 4.Enter Invalid password in password text box	Username: chahm@gmail.com password: Testing123678686786876	Application should show "Incorrect email or password" validation message.						Narasanth Raja

CHAPTER - 9

ADVANTAGES & DISADVANTAGES

ADVANTAGES:

- Easily track the news
- Reduce paper works
- Limitations in spending
- Manage every news dynamically
- Well suitable for urging people

DISADVANTAGES:

- More dependent on mobile phones
- Initially difficult to understand for uneducated people

CHAPTER - 10

CONCLUSION

The purpose of the project is to develop an application which will display news articles and videos verified and approved at backend. User can follow the eminent personality accounts to get their related news daily.

The scope of the project includes followings:

Functional specification document to describe the complete system in low level. User interface design for website and mobile phone for both iOS and Android. Development of all functional requirements as proposed for the mobile application. Setting up the system on live server in ready for use condition.

CHAPTER - 11

FUTURE SCOPE

The Existing News tracker website or application have basic user interface which lag on some areas and the news were dynamically changed according to the time.

In future, we are planning to add advertisements which make high revenue.

- User can browse news articles and videos on various categories by searching through search box or voice assistance.
- The voice recognition can be used as an easier source even for uneducated people to track the news so that they can able see what they need.

CHAPTER - 12

APPENDIX

Source Code

```
# Project:News Tracker Application
# Team ID:PNT2022TMID50117
```

App.py

```
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import re

app = Flask(__name__)

hostname = '19af6446-6171-4641-8aba-
9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud'
uid = 'sfr69790'
pwd = 'VFRS0bFKFeIhMbcq'
driver = "{IBM DB2 ODBC DRIVER}"
db_name = 'Bludb'
port = '30699'
protocol = 'TCPIP'
cert = "C:/Users/Prithiarun/Desktop/IBM/TEST/certi.crt"
dsn = (
    "DATABASE={0};"
```

```

"HOSTNAME ={1};"
"PORT ={2};"
"UID ={3};"
"SECURITY=SSL;"
"PROTOCOL={4};"
"PWD ={6};"
).format(db_name, hostname, port, uid, protocol, cert, pwd)
connection = ibm_db.connect(dsn, "", "")
print()
# query = "SELECT username FROM USER1 WHERE username=?"
# stmt = ibm_db.prepare(connection, query)
# ibm_db.bind_param(stmt, 1, username)
# ibm_db.execute(stmt)
# username = ibm_db.fetch_assoc(stmt)
# print(username)
app.secret_key = 'a'


@app.route('/', methods=['GET', 'POST'])
@app.route('/register', methods=['GET', 'POST'])
def register():
    msg = " "
    if request.method == 'POST':
        username = request.form['username']
        email_id = request.form['email_id']
        phone_no = request.form['phone_no']
        password = request.form['password']
        query = "SELECT * FROM USER1 WHERE username=?;"

```

```

stmt = ibm_db.prepare(connection, query)
ibm_db.bind_param(stmt, 1, username)
ibm_db.execute(stmt)
account = ibm_db.fetch_assoc(stmt)
if (account):

    msg = "Account already exists!"
    return render_template('register.html', msg=msg)
# elif not re.match(r'[^@]+\.[^@]+\.[^@]+', email_id):
#     msg = "Invalid email addres"
# elif not re.match(r'[A-Za-z0-9+]', username):
#     msg = "Name must contain only characters and numbers"
else:
    query = "INSERT INTO USER1 values(?,?,?,?)"
    stmt = ibm_db.prepare(connection, query)
    ibm_db.bind_param(stmt, 1, username)
    ibm_db.bind_param(stmt, 2, email_id)
    ibm_db.bind_param(stmt, 3, phone_no)
    ibm_db.bind_param(stmt, 4, password)
    ibm_db.execute(stmt)
    msg = 'You have successfully Logged In!!'
    return render_template('login.html', msg=msg)
else:
    msg = 'PLEASE FILL OUT OF THE FORM'
    return render_template('register.html', msg=msg)

@app.route('/login', methods=['GET', 'POST'])

```

```

def login():
    global userid
    msg = ''
    if request.method == "POST":
        username = request.form['username']
        password = request.form['password']
        query = "select * from user1 where username=? and password=?"
        stmt = ibm_db.prepare(connection, query)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.bind_param(stmt, 2, password)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print(account)
        if account:
            session['Loggedin'] = True
            session['id'] = account['USERNAME']
            session['username'] = account['USERNAME']
            msg = 'Logged in Successfully'
            return render_template('welcome.html', msg=msg, username=str.upper(username))
        else:
            msg = 'Incorrect Username or Password'
            return render_template('login.html', msg=msg)
    else:
        msg = 'PLEASE FILL OUT OF THE FORM'
        return render_template('login.html', msg=msg)

@app.route('/welcome', methods=['GET', 'POST'])

```

```
def welcome():
    if request.method == 'POST':
        username = request.form['username']
        print(username)
        return render_template('welcome.html', username=username)
    else:
        return render_template('welcome.html', username=username)
```

```
if __name__ == "__main__":
    app.run(debug=True)
    app.run(host='0.0.0.0')
```

Index.html

```
<!DOCTYPE html>
<html lang="en" >
<head>
    <meta charset="UTF-8">
    <title>CodePen - Sign up / Login Form</title>
    <link rel="stylesheet" href="{{ url_for('static', filename='css/style2.css') }}">

</head>
<body>
<!-- partial:index.partial.html -->
<!DOCTYPE html>
<html>
<head>
    <title>Slide Navbar</title>
```

```

<link rel="stylesheet" href="{ {url_for('static', filename='css/style2.css')}}">
<link href="https://fonts.googleapis.com/css2?family=Jost:wght@500&display=swap"
rel="stylesheet">
</head>
<body>
    <div class="main">
        <input type="checkbox" id="chk" aria-hidden="true">

        <div class="signup">
            <form action = "/register" method="post">
                <label for="chk" aria-hidden="true">Sign up</label>
                <input type="text" name="un" placeholder="User
name" required="">
                <input type="email" name="ue" placeholder="Email"
required="">
                <input type="password" name="up"
placeholder="Password" required="">
                <button type="submit">Sign up</button>
            </form>
        </div>

        <div class="login">
            <form action = "/login" method="post">
                <label for="chk" aria-hidden="true">Login</label>
                <input type="email" name="email"
placeholder="Email" required="">
                <input type="password" name="pswd"
placeholder="Password" required="">

```



```

        <button type="submit">Login</button>
    </form>
</div>
</div>
</body>
</html>
<!-- partial -->

```

```

</body>
</html>

```

Contact.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">
</head>
<body>
    <div class='h-100 d-flex align-items-center justify-content-center'>
    <table class="table table-bordered table-dark">

```

<tr>

<th scope="col">Team Member</th>

<th scope="col">Contact(Click the Symbol)</th>

</tr>

<tr>

<td>Naveen Raja N</td>

<td>

<svg
xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi
bi-linkedin" viewBox="0 0 16 16">
<path d="M0 1.146C0 .513.526 0 1.175 0h13.65C15.474 0 16 .513 16
1.146v13.708c0 .633-.526 1.146-1.175 1.146H1.175C.526 16 0 15.487 0
14.854V1.146zm4.943 12.248V6.169H2.542v7.225h2.401zm-1.2-8.212c.837 0 1.358-.554
1.358-1.248-.015-.709-.52-1.248-1.342-1.248-.822 0-1.359.54-1.359 1.248 0 .694.521 1.248
1.327 1.248h.016zm4.908 8.212V9.359c0-.216.016-.432.08-.586.173-.431.568-.878 1.232-
.878.869 0 1.216.662 1.216 1.634v3.865h2.401V9.25c0-2.22-1.184-3.252-2.764-3.252-1.274 0-
1.845.7-2.165 1.193v.025h-.016a5.54 5.54 0 0 1 .016-.025V6.169h-2.4c.03.678 0 7.225 0
7.225h2.4z"/>
</svg>

</td>

</tr>

<tr>

<td>Navaneeth S</td>

<td>

<svg
xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi
bi-linkedin" viewBox="0 0 16 16">
<path d="M0 1.146C0 .513.526 0 1.175 0h13.65C15.474 0 16 .513 16
1.146v13.708c0 .633-.526 1.146-1.175 1.146H1.175C.526 16 0 15.487 0
14.854V1.146zm4.943 12.248V6.169H2.542v7.225h2.401zm-1.2-8.212c.837 0 1.358-.554
1.358-1.248-.015-.709-.52-1.248-1.342-1.248-.822 0-1.359.54-1.359 1.248 0 .694.521 1.248
1.327 1.248h.016zm4.908 8.212V9.359c0-.216.016-.432.08-.586.173-.431.568-.878 1.232-
.878.869 0 1.216.662 1.216 1.634v3.865h2.401V9.25c0-2.22-1.184-3.252-2.764-3.252-1.274 0-
1.845.7-2.165 1.193v.025h-.016a5.54 5.54 0 0 1 .016-.025V6.169h-2.4c.03.678 0 7.225 0
7.225h2.4z"/>

</svg>

</td>

</tr>

<tr>

<td>Kousick Srinivas P</td>

<td>

```

<a href="https://www.linkedin.com/in/kousick-srinivas-b978a11ab"><svg
xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi
bi-linkedin" viewBox="0 0 16 16">
    <path d="M0 1.146C0 .513.526 0 1.175 0h13.65C15.474 0 16 .513 16
1.146v13.708c0 .633-.526 1.146-1.175 1.146H1.175C.526 16 0 15.487 0
14.854V1.146zm4.943 12.248V6.169H2.542v7.225h2.401zm-1.2-8.212c.837 0 1.358-.554
1.358-1.248-.015-.709-.52-1.248-1.342-1.248-.822 0-1.359.54-1.359 1.248 0 .694.521 1.248
1.327 1.248h.016zm4.908 8.212V9.359c0-.216.016-.432.08-.586.173-.431.568-.878 1.232-
.878.869 0 1.216.662 1.216 1.634v3.865h2.401V9.25c0-2.22-1.184-3.252-2.764-3.252-1.274 0-
1.845.7-2.165 1.193v.025h-.016a5.54 5.54 0 0 1 .016-.025V6.169h-2.4c.03.678 0 7.225 0
7.225h2.4z"/>
    </svg>
</a>
</td>
</tr>
<tr>
<td>Karuppiah AL </td>
<td>

```

```

<a href="https://www.linkedin.com/in/karuppiah-al-97b405184"><svg
xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi
bi-linkedin" viewBox="0 0 16 16">
    <path d="M0 1.146C0 .513.526 0 1.175 0h13.65C15.474 0 16 .513 16
1.146v13.708c0 .633-.526 1.146-1.175 1.146H1.175C.526 16 0 15.487 0
14.854V1.146zm4.943 12.248V6.169H2.542v7.225h2.401zm-1.2-8.212c.837 0 1.358-.554
1.358-1.248-.015-.709-.52-1.248-1.342-1.248-.822 0-1.359.54-1.359 1.248 0 .694.521 1.248
1.327 1.248h.016zm4.908 8.212V9.359c0-.216.016-.432.08-.586.173-.431.568-.878 1.232-

```

```
.878.869 0 1.216.662 1.216 1.634v3.865h2.401V9.25c0-2.22-1.184-3.252-2.764-3.252-1.274 0-
1.845.7-2.165 1.193v.025h-.016a5.54 5.54 0 0 1 .016-.025V6.169h-2.4c.03.678 0 7.225 0
7.225h2.4z"/>
</svg>
</a>
</td>
</tr>

</table>
</div>
<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
integrity="sha384-
IQsoLX15PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"
integrity="sha384-
cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bgldoEyl4H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>
</body>
</html>
```

Home.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<link rel="stylesheet" href="{ {url_for('static', filename='css/style.css')}} ">
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="icon" href="{ {url_for('static', filename='img/logo.png')}} ">
<link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
<title>{ % block title % } { % endblock % }</title>
```

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">
```

```
</head>
```

```
<body>
```

```
<nav class="bg-secondary">
```

```
<h2 class="logo text-light">News Tracker Application</h2>
```

```
<!-- <ul class="menu">
```

```
<li class="nav-items"><a href="/">Home</a></li>
```

```
<li class="nav-items"><a href="/">News</a></li>
```

```
<li class="nav-items"><a href="/">Blogs</a></li>
```

```
<li class="nav-items"><a href="/">Contact</a></li>
```

```
</ul> -->
```

```
</nav>
```

```
<nav class="navbar navbar-expand-lg bg-secondary">
```

```
<div class="container-fluid">
```

```

<!-- <h2>News Tracker Application</h2> -->
<!-- <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
</button> -->
<div class="collapse navbar-collapse" id="navbarSupportedContent">

<ul class="navbar-nav me-auto mb-2 mb-lg-0">
    <li class="nav-item">
        <a class="nav-link active text-light" aria-current="page" href="#">Home</a>
    </li>
    <li class="nav-item">
        <a class="nav-link text-light" href="#">News</a>
    </li>
    <li class="nav-item">
        <a class="nav-link text-light" href="#">Blog</a>
    </li>

    <li class="nav-item" role="contact">
        <a class="nav-link text-light" href="/contact">Contact</a>
    </li>

    <li class="nav-item" rol="logout" >
        <a class="nav-link text-light" href="/">Logout</a>
    </li>
</ul>

```

```

    <form class="d-flex" role="search" action = "/search" method = "post">
        <input class="form-control me-2" type="search" placeholder="Search" aria-
label="Search" name = "nm">
        <button class="btn btn-outline-light" type="submit">Search</button>
    </form>
</div>
</div>
</nav>
<section id="main" class="bg-dark">
    <!-- <form action = "/search" method = "post">
        <p><input type = "text" name = "nm" /></p>
        <p><input type = "submit" value = "submit" /></p>
    </form> -->
    <!-- <div class="banner">
    </div> -->
    <!-- <div class = "head">TODAY'S TOP HEADLINES</div>
    { % for title,desc,img,p_date,url in contents % }
    <div class="wrapper">
        <div class="item"><a href="{{ url }}"></a></div>
        <div class = "c-box">
            <div class="content"><a href="{{ url }}"><h2>{{ title }}</h2></a></div>
            <div class="content"><a href="{{ url }}"><p>{{ desc }}</p></a></div>
            <div class="content"><p style="color:rgb(77, 255, 0);">Publish Date:-
</p><p>{{ p_date }}</p></div>
        </div>
    </div>

```



```

{% endfor %} -->

{% for title,desc,img,p_date,url in all %}
<div class="wrapper">
  <div class="item"><a href="{{url}}"></a></div>
  <div class="c-box">
    <div class="content"><a href="{{url}}"><h2>{{title}}</h2></a></div>
    <div class="content"><p>{{desc}}</p></div>
    <div class="content"><p style="color:rgb(48, 158, 0);">Publish Date:- </p><p>
{{p_date}} </p></div>
  </div>
</div>
{% endfor %}
</section>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
integrity="sha384-
IQsoLX15PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"
integrity="sha384-
cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bgldoEyl4H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>
</body>
</html>

Style.css
body {

```

```
margin: 0px;
padding: 0px;
background-color: rgb(69, 54, 54);
}
* {
  box-sizing: border-box;
}
ul {
  list-style: none;
}
a {
  text-decoration: none !important;
}
nav {
  min-height: 60px;
  width: 100%;
  /* background-color: red; */
  /* border-top: 1px solid black !important; */
  position: relative;

  display: flex;
  justify-content: space-around;
  align-items: center;
  flex-flow: row wrap;
}
.logo h2 {
  font-size: 30px;
  font-weight: bold;
```

```
font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
color: white !important;
text-decoration: none !important;
letter-spacing: 1px;
}
```

```
nav .menu {
  display: flex;
  flex-flow: row wrap;
  justify-content: center;
  align-items: center;
}
```

```
nav .menu li a {
  height: 35px;
  line-height: 30px;
  display: flex;
  text-transform: uppercase;
  align-items: center;
  padding: 0px 22px;
  font-size: 15px;
  font-weight: bold;
  color: white;
  font-family: 'Poppins', sans-serif;
  letter-spacing: 1px;
}
```

```
nav .menu li a:hover {
  color: black;
```

```
background-color:white;
border-radius: 20px;
}
#main {
  /* padding-top: 98px; */
}
.banner {
  height: 620px;
  width: 100%;
  display: flex;
  flex-wrap: column;
  justify-content: center;
  align-items: center;
  background-color: black;
  border: 1px solid rgb(98, 4, 4);
}
.banner img {
  height: 100%;
  width: 100%;
  padding: 2px;
}
.head-git{
  height: 40px;
  width: 100%;
  justify-content: center;
  align-items: center;
  background-color: rgb(250, 244, 244);
  display: flex;
```

```
flex-flow: row;
margin-bottom: 5px;
}
.head-git h2 {
font-size: 18px;
font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
color:black;
}
.head-git h2 a {
text-decoration: none ;
color:blue;
font-size: 23px;
}
.head-git h2 a:hover {
color:rgb(211, 47, 41);
background-color: beige;
}
.nav-link {
height: 100%;
width: 100%;
color: black;
}
.head {
height: 50px;
width: 100%;
display: flex;
align-items: center;
justify-content: center;
```

```
color: white;
font-size: 30px;
font-weight: bold;
font-family: 'Times New Roman', Times, serif;
padding-left: 20px;
padding-top: 10px;
}

.wrapper {
  height: 400px;
  width: 100%;
  display: flex;
  align-items: center;
  padding: 10px;
  justify-content: space-between;
  /* background-color: rgb(68, 47, 47); */
}

.wrapper .item {
  height: 300px;
  min-width: 30%;
  border-radius: 20px;
  margin: 10px;
  box-shadow: 10px 10px 10px rgba(0, 0, 0, 0.4);
  padding: 0.5px;
  flex-flow: column wrap;
  border-bottom: 1px white;
}

.wrapper .item img {
  height: 100%;
```

```
width: 100%;  
}  
.c-box {  
  height: content;  
  max-width: 50%;  
  display: flex;  
  align-items: center;  
  padding: 10px;  
  flex-flow: column;  
  padding: 1px;  
}  
.c-box .content {  
  height: content;  
  min-width: 30%;  
  display: flex;  
  align-items: center;  
  flex-flow: row wrap;  
}  
.c-box .content p {  
  color: #fff;  
  font-size: 15px;  
  font-weight: bold;  
  font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unicode',  
Geneva, Verdana, sans-serif;  
}  
.c-box .content h2 {  
  color: yellow;  
  font-size: 20px;
```

```
font-weight: bold;
font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unicode',
Geneva, Verdana, sans-serif;
}
.head-f{
height: 40px;
width: 100%;
justify-content: center;
align-items: center;
border-top: 2px solid black;
background-color: yellow;
display: flex;
flex-flow: column;
}
.head-f h2 {
font-size: 15px;
font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
color:black;
}
```


Github link :

<https://github.com/IBM-EPBL/IBM-Project-44026-1660721241>

Video demo link :

<https://youtu.be/yeYnujGmE0>