

<b>Project Name</b>	<b>News Tracker Application</b>
<b>Domain</b>	<b>Cloud Application Development</b>
<b>Team Leader</b>	<b>Abhishek M</b>
<b>Team Member 1</b>	<b>Abai Karthik M</b>
<b>Team Member 2</b>	<b>Ajith Kumar</b>
<b>Team Member 3</b>	<b>Akshayanivashini C V</b>

## **1. INTRODUCTION**

### **Project Overview**

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.

### **Purpose :**

Newspapers are one of the most popular and most needed commodities in our daily life. In today's busy world, reading newspapers has become one of the traditional ways of getting news. News is produced every minute and distributed via television, radio and the Internet, so the news updated the next morning is already outdated. So newspaper and magazine publishers have a hard time keeping up with the pace. Change is needed and publishers must embrace mobile.

## **2. LITERATURE SURVEY**

### **References**

1. <https://flask.palletsprojects.com/en/2.1.x/tutorial/>
2. <https://www.ibm.com/docs/en/db2-for-zos/11?topic=zos-db2-basics-tutorial-working-db2-interactively>
3. <https://www.ibm.com/in-en/products/watson-assistant/docs-resources>
4. <https://www.ibm.com/blogs/cloud-archive/2019/03/video-containerization-explained/>
5. <https://developer.ibm.com/components/cloud-foundry/tutorials/>

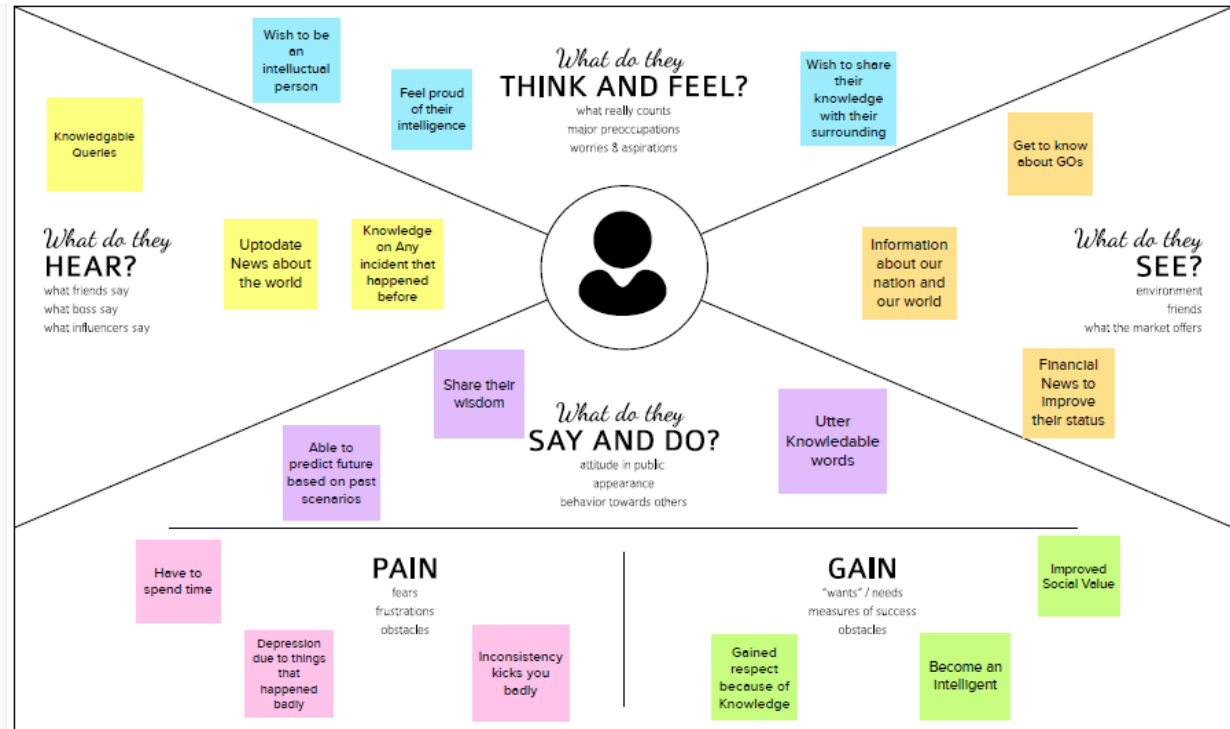
### **Problem Statement Definition**

In today's world we have a lot of work and there is no time to cope up everything in the schedule. So, it is not possible to read the newspaper. By using this application, the user can access the news they are interested and get a quick peek for the day. There are multiple news-sharing apps used by a single user and are often spammed with notifications. There is also a lot of fake news which gets shared. A news-sharing app wants to help users find relevant and important news easily every day and also understand

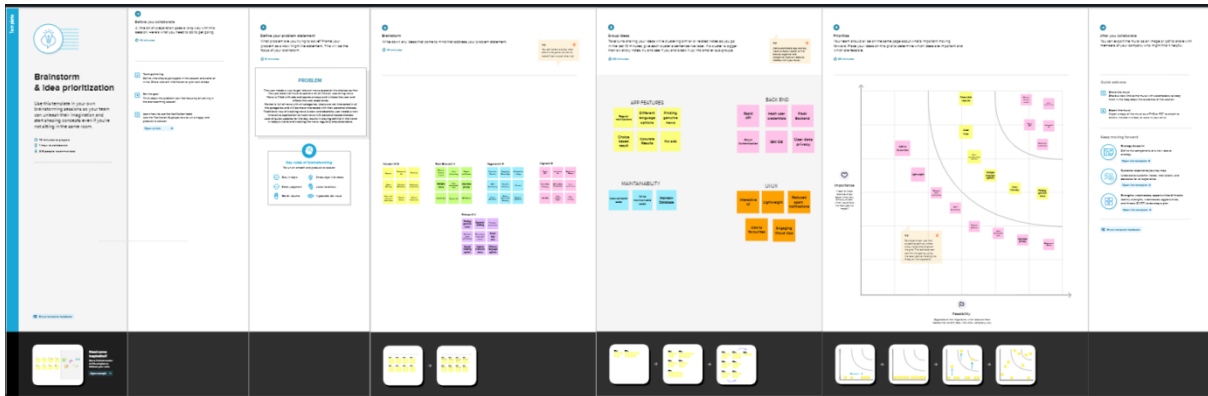
explicitly that the news is not fake but from proper sources. This news tracker application helps the user to get all information about commodities, sports, technology, education etc. The user can register using their personal details and interacts with the application and save their time. • Creating an app that benefits with the smart news filtering functionality where it allows its users to segregate various news sections, comprising of business, sports, political, international, and more. The users can opt for filters like Breaking News, Most Popular, and more. • Creating a user-friendly news app that would not just have good number of features, but will also be able to get accessed by different types of users keeping the experience delightful

### 3. IDEATION & PROPOSED SOLUTION

#### Empathy Map Canvas



## Ideation & Brainstorming



## Proposed Solution

S.NO	Parameter	Description
1	Problem Statement (Problem to be solved)	Statement: Everyday, a lot of events happen world-wide and we rely on newspapers, television and news articles to get the reliable and trust-worthy information about these events. Description: As a result, we created a platform that offers such news from reliable sources worldwide, in an organized and efficient manner.
2	Idea / Solution description	One platform for all local and worldwide news. Trustworthy and Reliable News. Fast and efficient system. Preventing spread of False information. Data Storage and Backup. Communication.
3	Novelty / Uniqueness	A cloud computing-based news application that generates news and reports about the happenings around the world using computers and network (Internet). News based on most reliable and trustworthy resources around the world. Developing the Eco- Friendly & sustainability based on centre.

4	Social Impact / Customer Satisfaction	Cloud computing offers a way to create, coordinate, and share information across the globe. The adoption of cloud-based services gives access to a wider range of data and sharing the important
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		information in an efficient way. Our platform eliminates the spread of false news and exposes the injustice and wrongdoings done by false groups. Eliminating the fake news provides better understanding of the real-events happening in the world and the spread of knowledge.
5	Business Model (Revenue Model)	Our application covers a range of topics including politics, business, criminal justice, environment, technology etc. Our business model will be monetized and generate income by showing advertisements and Operating on monthly and yearly subscription model.
6	Scalability of the Solution	Scalability is one of the benchmarks of the cloud services and its adoption with businesses. Cloud scalability will help to increase the user base by increasing the resource allocation and meeting the changing demands without sacrificing the efficiency or quality of our customer service and internal operations. Providing fast and reliable news while maintaining positive relationships with your customers.

#### **Problem Solution fit**



Define CS, filter to CC	<b>1.CUSTOMER SEGMENT(S)</b> <p>Hackers,CCTNS(crime and criminal tracking network and system),commercial and scientific purposes,media monitoring.</p>	<b>6.CUSTOMER CONSTRAINTS</b> <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>	<b>5.AVAILABLE SOLUTIONS</b> <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 AS, differentiate
	<b>2.JOBS-TO-BE-DONE / PROBLEMS</b> <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>	<b>9.PROBLEM ROOT CAUSE</b> <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>	<b>7.BEHAVIOUR</b> <p>User experience,content performance popularity sharing the news, conversion rate optimization ,checkout process website accessebility,livechat and first and foremost,user data is super important.</p>	
Focus on MP ,segmentE ,understandBC	<b>3.TRIGGERS</b> <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>	<b>10. YOUR SOLUTION</b> <p>Realtime monitoring ,working condition is ensured and restricted permission from entering highly secured areas.</p>	<b>8.CHANNELS of BEHAVIOURS</b> <b>8.1 ONLINE</b> <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> <b>8.2 OFFLINE</b> <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 MP ,segmentE ,understandBC
	<b>4.EMOTIONS: BEFORE /AFTER</b> <p>Fearness,satisfaction,anger and two sentiments(positive and negative)using to extraction.</p>			
Identifying targetTEAM				Extractonline&offline,Choose

## 4. REQUIREMENT ANALYSIS

### Functional requirement

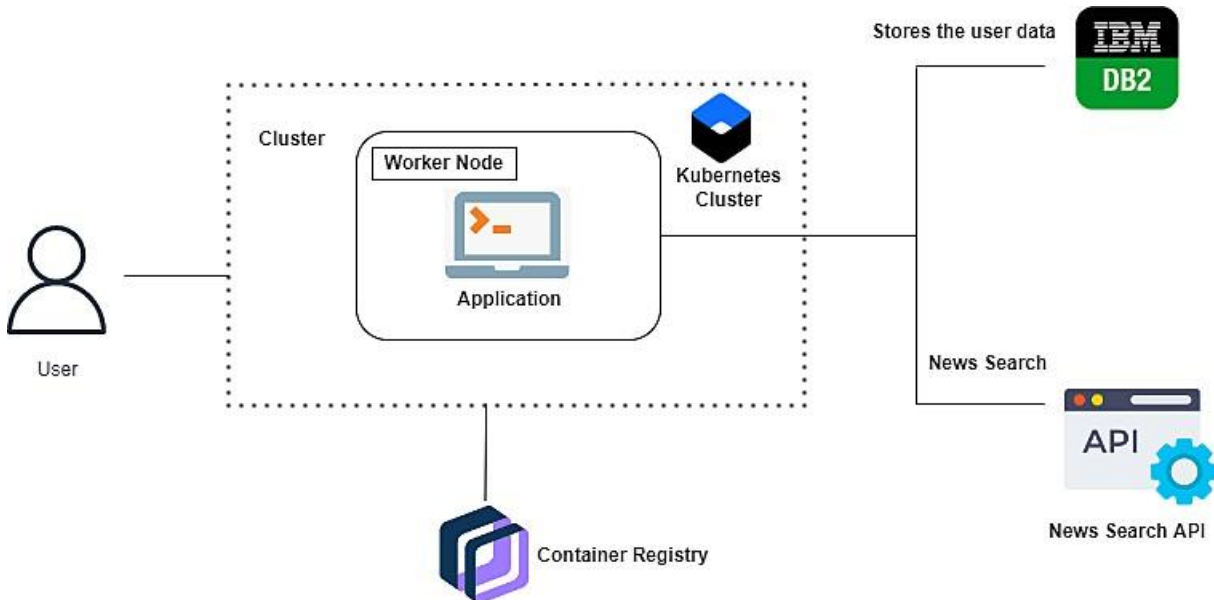
FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub- Task)
FR-1	User Installation	User can install the app from Google play store or from the website
FR-2	User Registration	Registration through Form Registration through Gmail
FR-3	User Confirmation	Confirmation via Email
FR-4	User Login	User should login the app with the user's name and password

### Non-Functional requirements

FR No	Non-Functional Requirement	Description
NFR-1	Usability	Everyone can understand the process of using the app easily by the commands given in the app
NFR-2	Security	It is a more secured app. No fake news can be shared.
NFR-3	Performance	Performance of the app is very great
NFR-4	Availability	More sub categories are available

## 5. PROJECT DESIGN

### 5.1 Data Flow Diagrams



### Solution & Technical Architecture

- The user interacts with the application.
- Registers by giving the details.
- 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.

### User Stories

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.

## 6. PROJECT PLANNING & SCHEDULING

### Sprint Planning & Estimation

Sprint	Functiona l Requirem ent (Epic)	User Story Num ber	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	ABHISHEK AJITH KUMAR ABAI AKSHAYA NIVASHINI
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	ABHISHEK AJITH KUMAR ABAI AKSHAYA NIVASHINI

Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	ABHISHEK AJITH KUMAR ABAI AKSHAYA NIVASHINI
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Sprint-3	Dashboard	USN-4	As a user, I will able to see the login and profile details	2	High	ABHISHEK AJITH KUMAR ABAI AKSHAYA NIVASHINI
Sprint-1	IBM cloud	USN-5	As a tracker, I collect all the NEWS from the cloud	1	Medium	ABHISHEK AJITH KUMAR ABAI AKSHAYA NIVASHINI
Sprint-3	IBM cloudant	USN-7	As a database manager, I can collect all the user details and NEWS application details	2	Medium	ABHISHEK AJITH KUMAR ABAI AKSHAYA NIVASHINI

### **Sprint Delivery Schedule**

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	23 Oct 2022	28 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	30 Oct 2022	04 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	06 Nov 2022	11 Nov 2022	20	12 Nov 2022

Sprint-4	20	6 Days	13 Nov 2022	18 Nov 2022	20	19 Nov 2022
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# Reports from JIRA

## Sprint-1

The screenshot shows the Jira Software interface for the 'my testings' project. The left sidebar contains navigation options: Roadmap, Backlog (selected), Board, Code, Project pages, Add shortcut, and Project settings. The main area displays the 'Backlog' for 'ITT Sprint 1' (15 Nov - 25 Dec) with 5 issues. All issues are marked as 'DONE'. A 'Quickstart' button is visible at the bottom right.

Issue ID	Issue Name	Status	Assignee
#FF-4	hg	DONE	N
#FF-9	creating flask project	DONE	N
#FF-12	creating database	DONE	KP
#FF-11	ideation phase	DONE	KP
#FF-10	deployment of app in cloud	DONE	N

## Sprint-2

The screenshot shows the Jira Software interface for the 'my testings' project. The left sidebar contains navigation options: Roadmap, Backlog (selected), Board, Code, Project pages, Add shortcut, and Project settings. The main area displays the 'Backlog' for 'ITT Sprint 2' (15 Nov - 11 Dec) with 4 issues. All issues are marked as 'DONE'. A 'Quickstart' button is visible at the bottom right.

Issue ID	Issue Name	Status	Assignee
#FF-5	ibm_db python package	DONE	N
#FF-13	ibm cloudbant package	DONE	N
#FF-14	ibm cloudbant package creating login page	DONE	N
#FF-15	creating sign in page	DONE	N



## Sprint-3

The screenshot shows the Jira Software interface for the 'my testings' project. The left sidebar contains navigation options: PLANNING (Roadmap, Backlog, Board) and DEVELOPMENT (Code, Project pages, Add shortcut, Project settings). The main area displays the 'Backlog' view for 'my testings'. It shows two sprints: 'ITT Sprint 3' (15 Nov – 8 Jan, 4 issues) and 'ITT Sprint 4' (8 Jan – 22 Jan, 4 issues). The 'ITT Sprint 3' section lists four issues, all marked as 'DONE'.

Issue ID	Description	Status	Assignee
ITT-16	backend code of login page	DONE	N
ITT-19	change the data in json format to store in database	DONE	KP
ITT-18	connecting the ui interface with database	DONE	N
ITT-17	backend code for sign in page	DONE	N

Below the sprints, there is a 'Backlog' section with 0 issues, indicating it is empty. A 'Quickstart' button is visible in the bottom right corner.

## Sprint-4

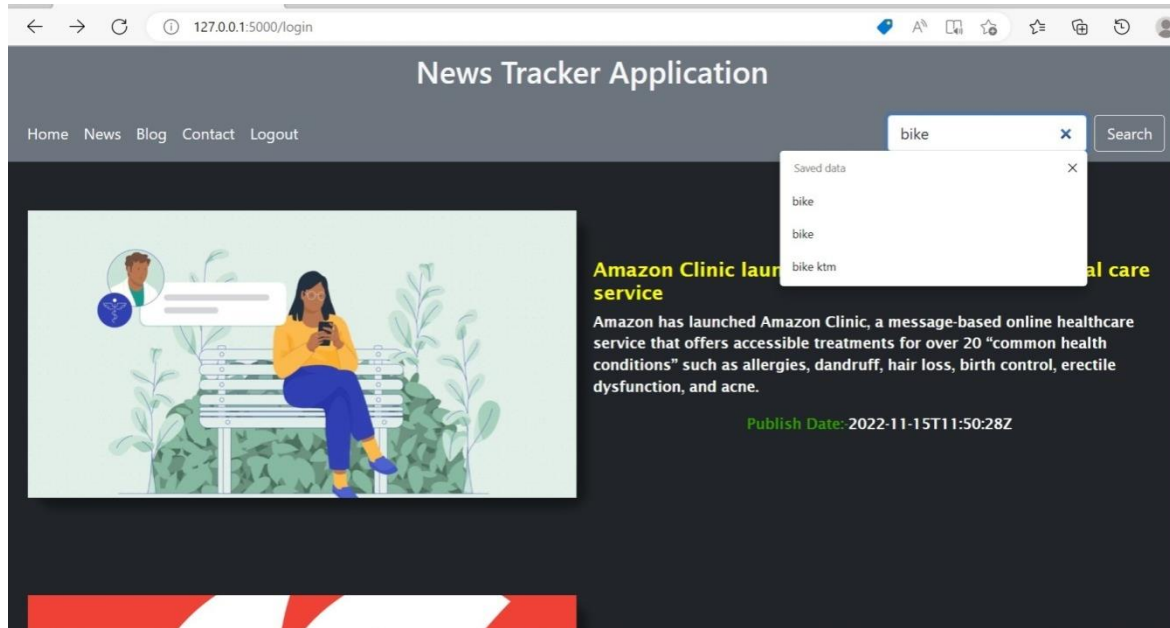
The screenshot shows the Jira Software interface for the 'my testings' project. The left sidebar contains navigation options: PLANNING (Roadmap, Backlog, Board) and DEVELOPMENT (Code, Project pages, Add shortcut, Project settings). The main area displays the 'Backlog' view for 'my testings'. It shows two sprints: 'ITT Sprint 4' (15 Nov – 22 Jan, 4 issues) and 'Backlog' (0 issues). The 'ITT Sprint 4' section lists four issues, all marked as 'DONE'.

Issue ID	Description	Status	Assignee
ITT-23	inserted a search button to search the news	DONE	KP
ITT-22	connecting with news api	DONE	N
ITT-21	connecting th interface with backend code	DONE	N
ITT-20	create a new interface foe news application	DONE	N

Below the sprints, there is a 'Backlog' section with 0 issues, indicating it is empty. A 'Quickstart' button is visible in the bottom right corner.

## 7. CODING & SOLUTIONING

### 7.1 Feature 1



## 8. TESTING

### User Acceptance Testing

		Project Name: News Tracker Application		Maximum Marks: 4 marks									
Test case ID	Feature Type	Component	Test Scenario	Pre-Requsite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	TC for Automation(Y/N)	BUG ID	Executed By
.loginPage_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	<a href="http://shopasaur.com/">http://shopasaur.com/</a>	Login/Signup popup should display	Working as expected	Pass				Karuppiah
.loginPage_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.small text box b.password text box c.Login button with orange colour d.New customer? Create account link e.Login password? Recovery password link	<a href="http://shopasaur.com/">http://shopasaur.com/</a>	Application should show below UI elements: a.small text box b.password text box c.Login button with orange colour d.New customer? Create account link e.Login password? Recovery password link	Working as expected	Fail	Steps are not clear to follow		BUG-1234	Kousick Draisra
.loginPage_TC_003	Functional	Home page	Verify user is able to log into application with Valid credentials		1.Enter URL( <a href="http://shopasaur.com/">http://shopasaur.com/</a> ) 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: chalam@gmail.com password: Testing123	User should navigate to user account homepage						Navaneeth
.loginPage_TC_004	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL( <a href="http://shopasaur.com/">http://shopasaur.com/</a> ) 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: chalam@gmail.com password: Testing123	Application should show "Incorrect email or password" validation message.						Navaneeth
.loginPage_TC_004	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL( <a href="http://shopasaur.com/">http://shopasaur.com/</a> ) 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: chalam@gmail.com password: Testing1236786667866786786	Application should show "Incorrect email or password" validation message.						Navaneeth
.loginPage_TC_005	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL( <a href="http://shopasaur.com/">http://shopasaur.com/</a> ) 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: chalam@gmail.com password: Testing1236786667866786786	Application should show "Incorrect email or password" validation message.						Navaneeth

## Acceptance Testing UAT Execution & Report Submission

Date	18 November 2022
Team ID	PMI 2022 TMID50567
Project Name	News Tracker Application
Minimum Marks	4 Marks

### 1. Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issues of the [Product name] project at the time of the Tele ask to User Acceptance Testing (UAT).

### 2. Defect Analysis

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

	Resoluti on	Sever ity 1	Sever ity 2	Sever ity 3	Sevent y d	Subtotal
By Design		10	4	2	3	20
Duplicate		1	0	3	0	4
		2	3	0	1	6
Fixed		11	2	4	20	37
Not Reproduced		0	0	1	0	1
Skipped		0	0	1	1	2
Want Fix		0	5	2	1	8
Totals		24	14	13	Zs	77

### 3. Test Case Analysis

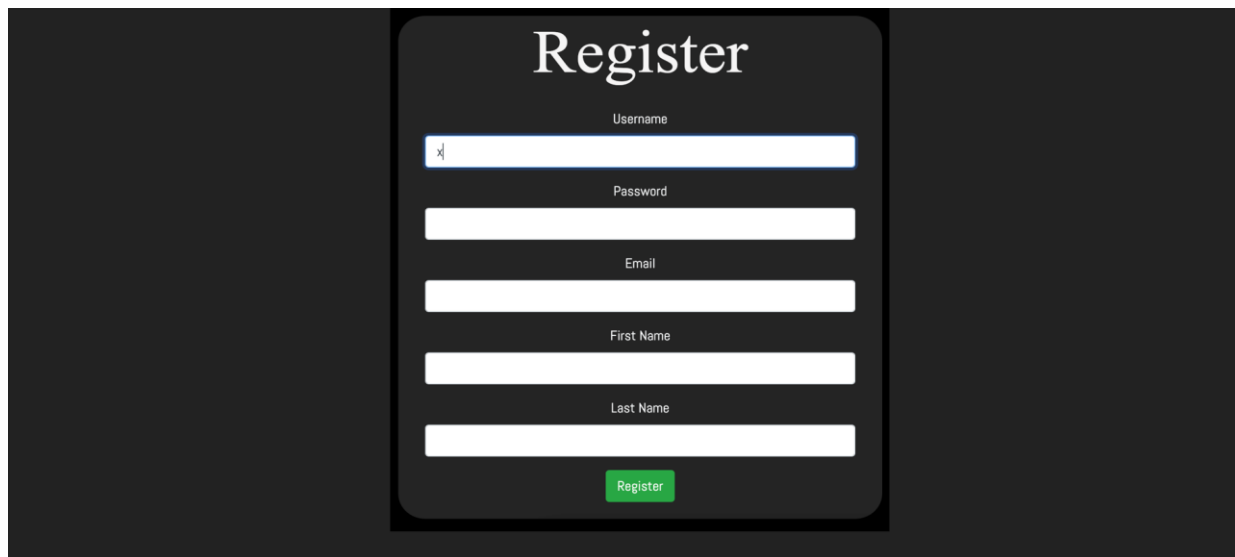
This report shows the number of test cases that have passed, failed, and untested

Section	Total Ca see-	Not Tested	Fa il	Pas s
Print Engine		0	0	51
Client	7	0	0	7
Application	51			
Security	2	0	0	2

Outsource Shipping	3	0	0	3
Excaption Reporting	9	0	0	9
Final Report Dwlpwl	4	0	0	4
Version Control	2	0	0	2

## 9.RESULTS

### Performance Metrics



A dark-themed user registration form titled "Register" in a large, white, serif font. The form is centered on a dark gray background. It contains five white input fields with labels above them: "Username" (with a cursor and the letter 'x'), "Password", "Email", "First Name", and "Last Name". Below the fields is a green "Register" button.

Register

Username

x|

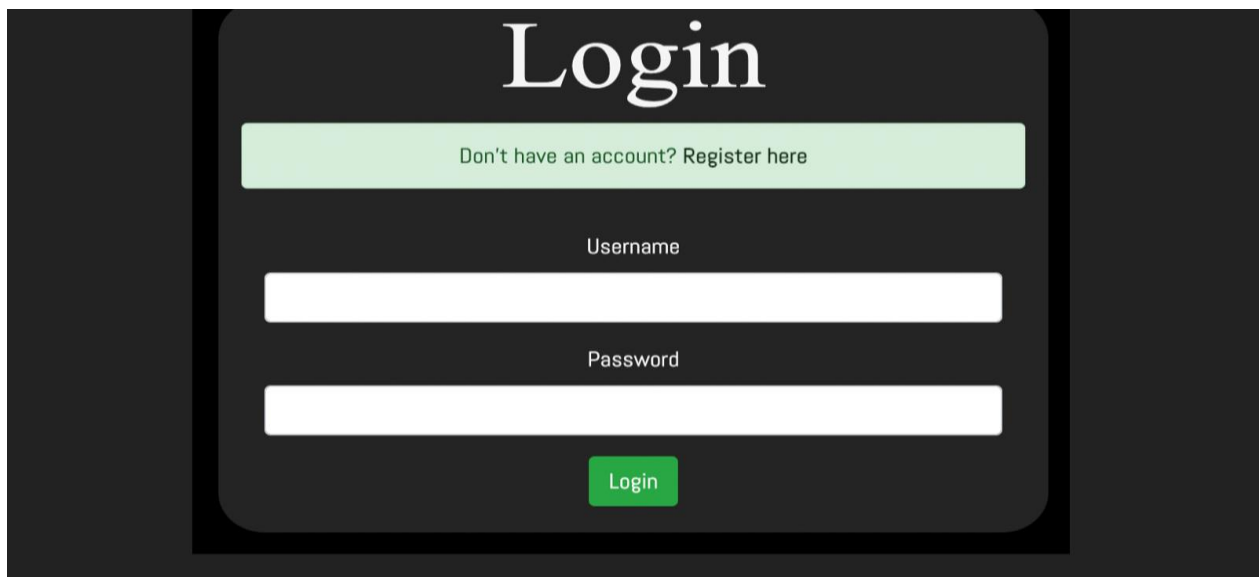
Password

Email

First Name

Last Name

Register



A dark-themed user login form titled "Login" in a large, white, serif font. The form is centered on a dark gray background. At the top, there is a light green link that says "Don't have an account? Register here". Below this are two white input fields with labels: "Username" and "Password". At the bottom is a green "Login" button.

Login

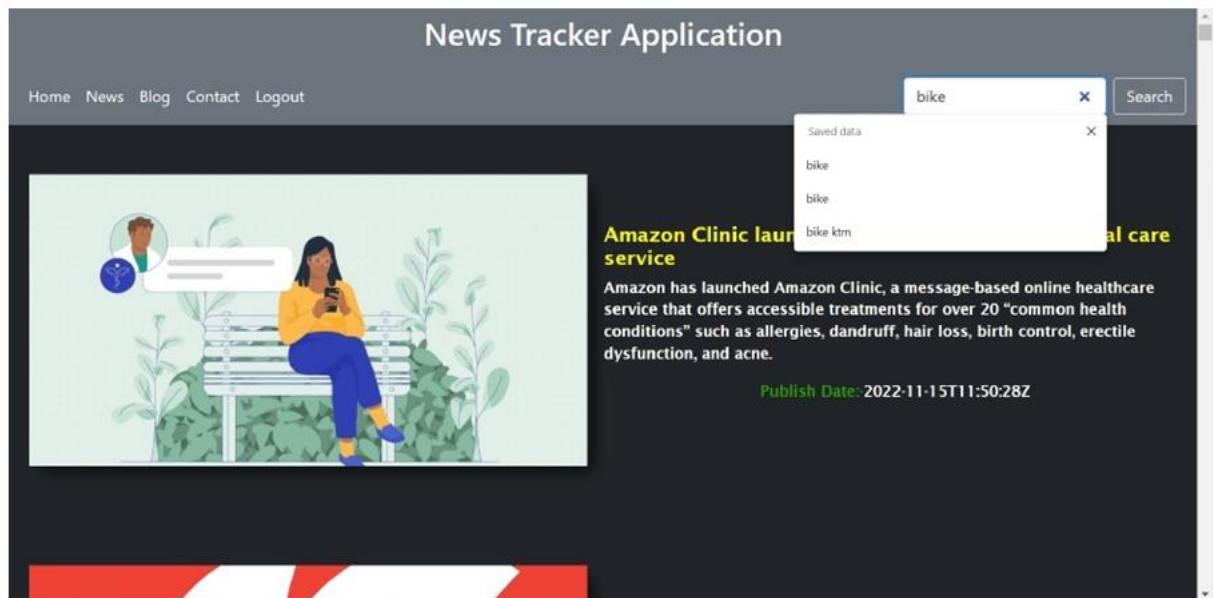
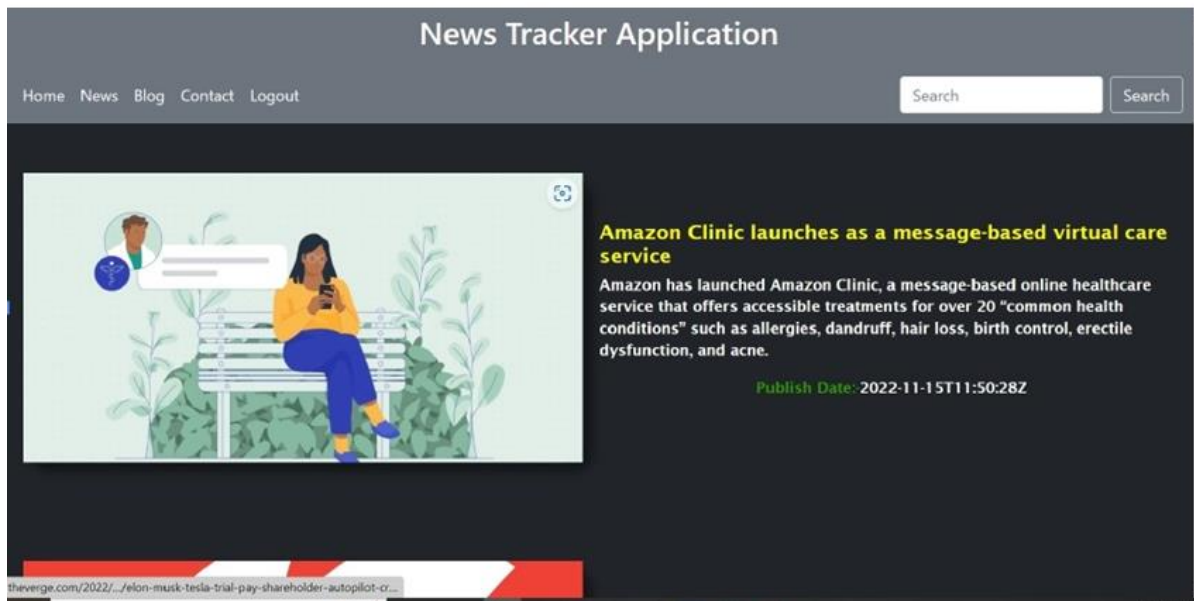
Don't have an account? Register here

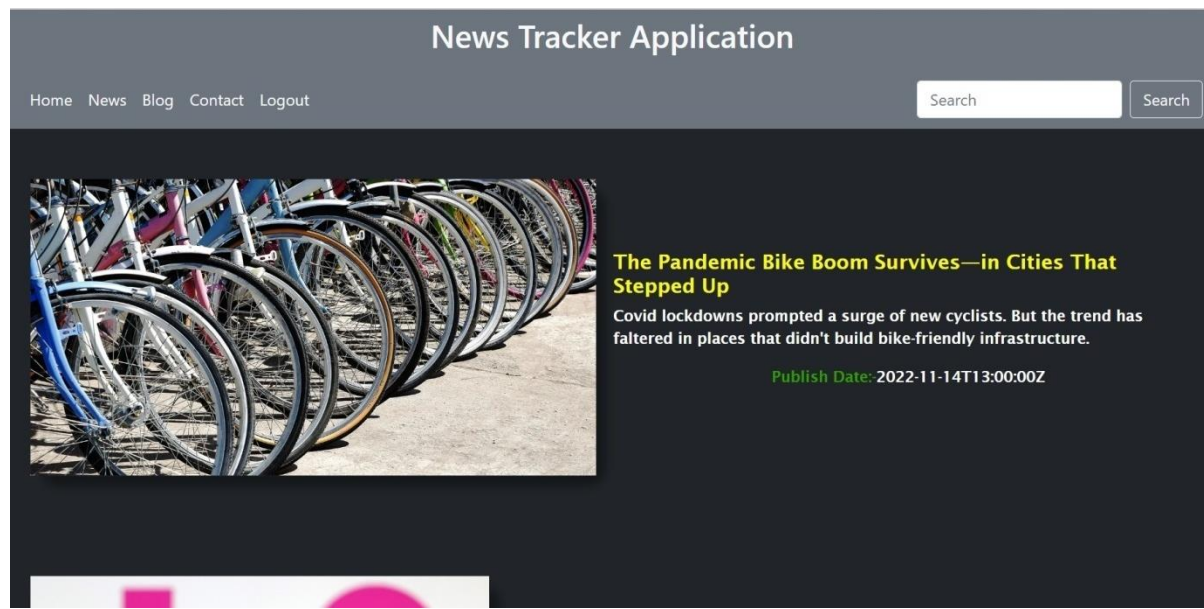
Username

Password

Login







## 10. ADVANTAGES

1. All trending news will be displayed in a orderly manner.
2. We can costumize the topic which we are interested and make them display
3. The user experience are quite simple and friendly

## 10. DISADVANTAGES

1. Same news which is published in different websites can be displayed.
2. Delay response of news ape can make the news collapse.

## 11. CONCLUSION

Thus the projected using IBM CLOUD is tested, verified and executed successfully.

## 12. Future scope

In future, we planned to implement this project in large scale which will be helpful and used by all the people.



## 13. APPENDIX

### 13.1. Source

Code

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>
```



```
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-
      IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
      crossorigin="anonymous"></script>

```

```

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"
    integrity="sha384-
    cVKIPhGWic2Al4u+LWgxfKTRIfcu0JTxR+EQDz/bglDoEyl4H0zUF0QKbrJ0EcQF"
    crossorigin="anonymous"></script>
  </body>
</html>

```

## 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=">
```

```

required="
<input type="email" name="ue" placeholder="Email"
" >
<input type="password" name="up" placeholder="Password"
" >
<button type="submit">Sign up</button>
required="
</div> </form>
" >
</div>

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

<a href="https://www.linkedin.com/in/naveen-raja-n-5154711b3"><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 0 0 0 1 .016-.025V6.169h-2.4c.03.678 0 7.225 0 7.225h2.4z"/>  
</svg>  
</a>  
</td>

</tr>

<tr>

<td>Navaneeth S</td>

<td>

<a href="https://www.linkedin.com/in/navaneeth-s-706b40214"><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 0 0 0 1 .016-.025V6.169h-2.4c.03.678 0 7.225 0 7.225h2.4z"/>  
</svg>  
</a>  
</td>

.025V6.169h-2.4c.03.678 0 7.225 0 7.225h2.4z"/>

</svg>

</a>

</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+tQ8Zj3iwWAwPtgFTxbJ8N
T4GN1R8p" crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"
    integrity="sha384-
cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bglldoEyl4H0zUF0QKbrJ0EcQF"
    crossorigin="anonymous"></script>
</body>
</html>
>
```

### **Style.c**

ss 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;  
}
```

### **Style2.css**

```
body{  
  margin: 0;  
  padding:  
  0; display:  
  flex;  
  justify-content:  
  center; align-  
  items: center; min-  
  height: 100vh;
```

```

        font-family: 'Jost', sans-serif;
        background: linear-gradient(to bottom, #0f0c29, #302b63, #24243e);
    }
    .main
    {
        width: 350px;
        height: 500px;
        background:
        red; overflow:
        hidden;
        background:
        url("https://doc-08-2c-
docs.googleusercontent.com/docs/securesc/68c90smiglihng9534mvqmq1946dmis5/fo0picsp1nhiucm
c0l2
5s29respgr4j/1631524275000/03522360960922298374/03522360960922298374/1Sx0jhdpEpnNIyd
S4r
nN4kHSJtU1EyWka?e=view&authuser=0&nonce=gcrocepgbb17m&user=03522360960922298374
&has h=tfhgbs86ka6divo3llbvp93mg4csvb38") no-repeat center/ cover;
        border-radius: 10px;
        box-shadow: 5px 20px 50px #000;
    }
    #chk
    {
        display: none;
    }
    .signup{
        position:
        relative;
        width:100%;
        height: 100%;
    }
    label{

        }
        button{

    }
    input{

```

color: r; display: flex;  
#fff; margin: 60px;  
font-weight: font-weight:  
bold; cursor: bold; cursor:  
pointer; pointer;  
transition: .5s ease-in-out; transition: .5s ease-in-out;

width:  
60%;  
height:  
20px;  
background:  
#e0dede; justify-  
content: center; content: center;

display: flex;  
margin: 20px  
auto; padding:  
10px; border:  
none; outline:  
none; border-  
radius: 5px; radius: 5px;

width: 60%;

center

```

        height: 40px;
        margin: 10px
        auto;
        justify-content:
        center; display:
        block;
        color: #fff;
        background:
        #573b8a; font-
        size: 1em;
        font-weight:
        bold; margin-
        top: 20px;
        outline: none;
        border: none;
        border-radius:
        5px;
        transition: .2s
        ease-in; cursor:
        pointer;
    }
    button:hover{
        background: #6d44b8;
    }
    .login
    {
        height: 460px;
        background:
        #eee;
        border-radius: 60% /
        10%; transform:
        translateY(-180px);
    }
    transition: .8s ease-in-out;
    .login label{
        color: #573b8a;
        transform:
        scale(.6);
    }

    #chk:checked ~ .login{
        transform: translateY(-500px);
    }
    #chk:checked ~ .login
    label{ transform:
    scale(1);
    }

```

```
#chk:checked ~ .signup
    label{ transform:
        scale(.6);
    }
```

### **app.py**

```
from cloudant.client import Cloudant
from cloudant.error import
CloudantException from cloudant.result
import Result, ResultByKey from flask
import Flask, render_template, request
from newsapi import NewsApiClient
```

```
serviceUsername = "50ab9a31-993d-4eaf-abf1-21c6f737b08c-bluemix"
```

```
servicePassword = "6864bc1c41f5701310846a0a80700140c138e7c82b8c7f678ce5ab877f8b90b9"
```



```
serviceURL = "https://50ab9a31-993d-4eaf-abf1-21c6f737b08c-bluemix:6864bc1c41f5701310846a0a80700140c138e7c82b8c7f678ce5ab877f8b90b9@50ab9a31-993d-4eaf-abf1-21c6f737b08c-bluemix.cloudantnosqldb.appdomain.cloud"
```

```
client = Cloudant(serviceUsername, servicePassword,  
url=serviceURL) client.connect()
```

```
app = Flask(_name_)
```

```
@app.route("/news")  
def news():
```

```
    api_key =
```

```
    '4f625485702d4929a546bcf4eb9d5c79'
```

```
    newsapi =
```

```
    NewsApiClient(api_key=api_key)
```

```
    top_headlines = newsapi.get_top_headlines(sources = "the-verge")  
    all_articles = newsapi.get_everything(sources = "the-verge")
```

```
    t_articles =  
    top_headlines['articles']  
    a_articles =  
    all_articles['articles']
```

```
    news = []  
    desc = []  
    img = []  
    p_date =  
    [] url = []
```

```
    for i in range  
        (len(t_articles)):  
        main_article =  
        t_articles[i]
```

```
        news.append(main_article['title'])  
        desc.append(main_article['description'])  
        img.append(main_article['urlToImage'])
```

```
ge'])
p_date.append(main_article['publishedAt'])
url.append(main_article['url'])

contents = zip(
news,desc,img,p_date,url) news_all

= []
desc_all = []
img_all = []
p_date_all =
[] url_all =
[]

for j in
    range(len(a_articles)):
        main_all_articles =
        a_articles[j]

        news_all.append(main_all_articles['title'])
```

```

desc_all.append(main_all_articles['description'])
img_all.append(main_all_articles['urlToImage'])
p_date_all.append(main_all_articles['publishedAt'])
url_all.append(main_article['url'])

all = zip(

news_all,desc_all,img_all,p_date_all,url_all)

return render_template('home.html',all = all)

@app.route("/search",methods = ['POST',
'GET']) def searchFunc():
    inputText = request.form['nm']
    api_key =

'4f625485702d4929a546bcf4eb9d5c79'

newsapi =

NewsApiClient(api_key=api_key)

top_headlines = newsapi.get_top_headlines(sources="bbc-
news") all_articles = newsapi.get_everything(q=inputText)

t_articles =
top_headlines['articles']
a_articles =
all_articles['articles']

news = []
desc = []
img = []
p_date =
[] url = []

for i in range
(len(t_articles)):
    main_article =
    t_articles[i]

    news.append(main_article['title'])
    desc.append(main_article['descriptio
n'])

```

```

img.append(main_article['urlToImage'])
p_date.append(main_article['publishedAt'])
url.append(main_article['url'])

contents = zip(
news,desc,img,p_date,url) news_all

= []
desc_all = []
img_all = []
p_date_all =
[] url_all =
[]

for j in
range(len(a_articles)):
main_all_articles =
a_articles[j]

```

```
news_all.append(main_all_articles['title'])
desc_all.append(main_all_articles['description'])
img_all.append(main_all_articles['urlToImage'])
p_date_all.append(main_all_articles['publishedAt'])
url_all.append(main_article['url'])
```

```
all = zip(
```

```
news_all,desc_all,img_all,p_date_all,url_all)
```

```
return render_template('home.html', all = all)
```

```
def
```

```
addNewUser(userName,userEmail,userPass
word): jsondata = { }
jsondata["userName"] = str(userName)
jsondata["userEmail"] = str(userEmail)
jsondata["userPassword"] =
str(userPassword)
```

```
myDataBase = client['database1']
newDocument = myDataBase.create_document(jsondata)
```

```
def
```

```
authenticate(userName,userE
mail): myDataBase =
client['database1']
result_collection = Result(myDataBase.all_docs,
include_docs=True) for data in result_collection:
```

```
    if data['doc']['userName'] ==
        str(userName): return True
    if data['doc']['userEmail'] ==
        str(userEmail): return True
return False
```

```
def
```

```
authenticateLogin(userEmail,userPass
word): myDataBase =
client['database1']
result_collection = Result(myDataBase.all_docs, include_docs=True)
```

```
for data in result_collection:
    if data['doc']['userPassword'] == str(userPassword) and data['doc']['userEmail'] ==
```

```
        str(userEmail): return True  
    return False
```

```
@app.route("/login",methods = ['POST',  
'GET']) def loginUser():
```

```
    userEmail = request.form.get("email")  
    userPassword =  
    request.form.get("pswd")
```

```
    if(authenticateLogin(userEmail,userPassword)):
```

```

        return news()
    return render_template("index.html")

@app.route("/register", methods = ['POST',
'GET']) def registerUserData():
    userName =
    request.form.get("un")
    userEmail =
    request.form.get("ue")
    userPassword =
    request.form.get("up")

    print(userEmail,userName,userPassword)
    if(authenticate(userName=userName,userEmail=userEmail)):
        return render_template("index.html")
    addNewUser(userName,userEmail,userPass
word) return news()

@app.route("
/") def
home():
    return render_template("index.html")

@app.route("/conta
ct") def hh():
    return render_template("contact.html")

if __name__ == '__main__':
    app.run(debug=True)

```

**GitHub :**

**<https://github.com/IBM-EPBL/IBM-Project-30357-1660144610>**