

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every minute and distributed via television, radio and the Internet, so the news updated the next morning is already outdated.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

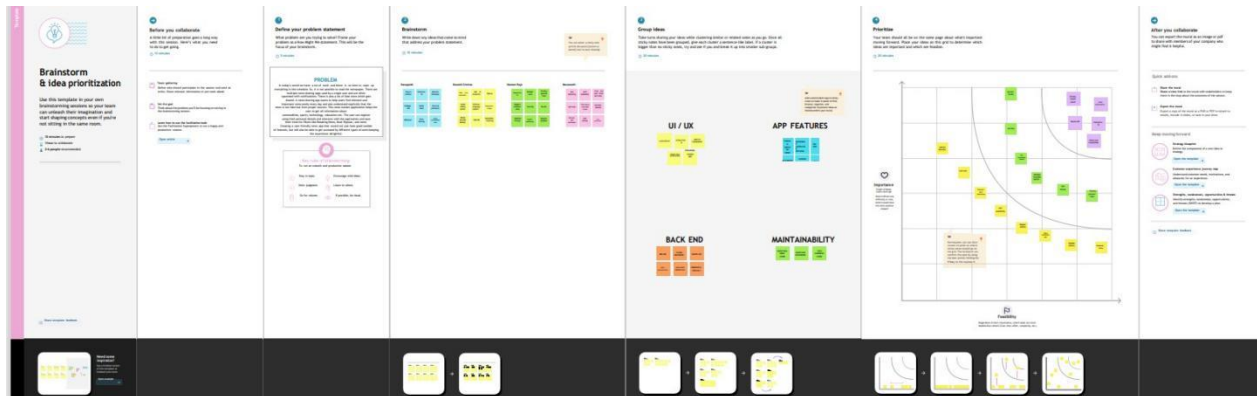
explicitly that the news is not fake but from proper sources. This news tracker application helps the user to get all information about commodities, sports, technology, education etc. The user can register using their personal details and interacts with the application and save their time. • Creating 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

		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

Project Title: News Tracker Application Project Design Phase-I - Problem Solution Fit Team ID: PNT2022TMID20100

1.CUSTOMER SEGMENT(S) Hackers,CTNS(crime and criminal tracking network and system),commercial and scientific purposes,media monitoring.	6.CUSTOMER CONSTRAINTS 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.	5.AVAILABLE SOLUTIONS 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.
2.JOBS-TO-BE-DONE / PROBLEMS 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.	9.PROBLEM ROOT CAUSE 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.	7.BEHAVIOUR User experience,content performance popularity sharing the news, conversion rate optimization ,checkout process website accessibility,livechat and first- and formost,user data is super important.
3.TRIGGERS 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.	10. YOUR SOLUTION Realtime monitoring ,working condition is ensured and restricted permission from entering highly secured areas.	8.CHANNELS OF BEHAVIOURS 8.1 ONLINE 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 . 8.2 offline 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.
4.EMOTIONS: BEFORE /AFTER Fearness,satisfaction,anger and two sentiments(positive and negative)using to extraction.		

Vertical labels on the left: Detect & track, Post a story, generate and report, Managing news

Vertical labels on the right: Detect & track, Focus on the specific user story, Engage & share

4.REQUIREMENT ANALYSIS

Functional requirement

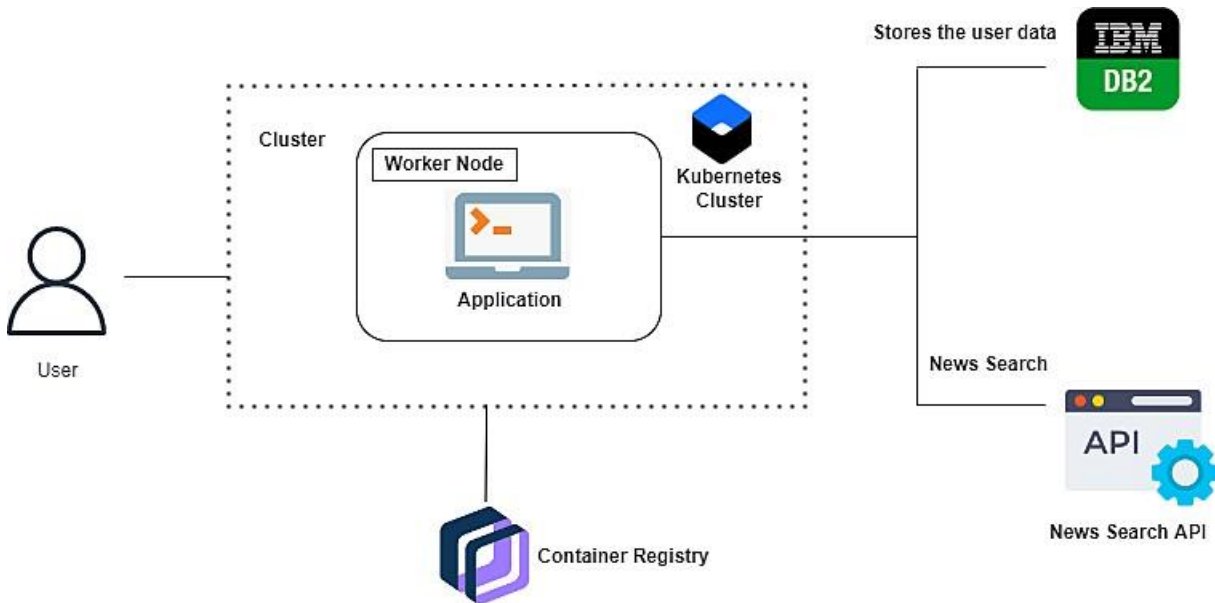
FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Installation	User can install the app from Google play store or from the website
FR-2	User Registration	Registration through Form Registration through Gmail
FR-3	User Confirmation	Confirmation via Email
FR-4	User Login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

5.1Data 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	Functional Requirement (Epic)	User Story Numbe	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 Kowisck Srinivas my password.	2	High	Balaji R Eswaran S Kavinkumar S Mohammed Ibrahim M
Sprint-1		USN-2	s a user, I will receive confirmation email once I have registered for the application	1	High	Balaji R Eswaran S Kavinkumar S Mohammed Ibrahim M
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Balaji R Eswaran S Kavinkumar S Mohammed Ibrahim M
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Balaji R Eswaran S Kavinkumar S Mohammed Ibrahim M

Sprint=1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Balaji R Eswaran S Kavinkumar S Mohammed Ibrahim M
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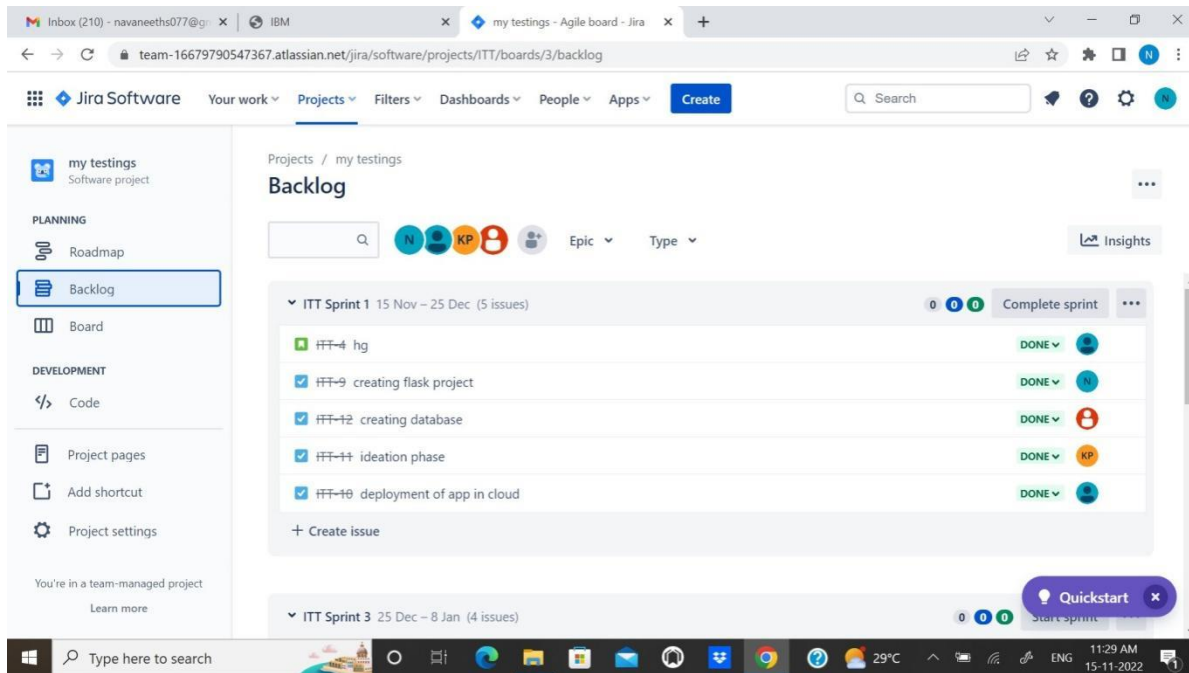
Sprint-3	Dashboard	USN-6	As a user, I will able to see the login and profile details	2	Medium	Balaji R Eswaran S Kavinkumar S Mohammed Ibrahim M
Sprint-1	IBM cloud	USN-10	As a tracker, I collect all the NEWS from the cloud	1	Medium	Balaji R Eswaran S Kavinkumar S Mohammed Ibrahim M
Sprint-3	IBM cloudant	USN-11	As a database manager, I can collect all the user details and NEWS application details	2	Medium	Balaji R Eswaran S Kavinkumar S Mohammed Ibrahim M

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	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Reports from JIRA

Sprint-1

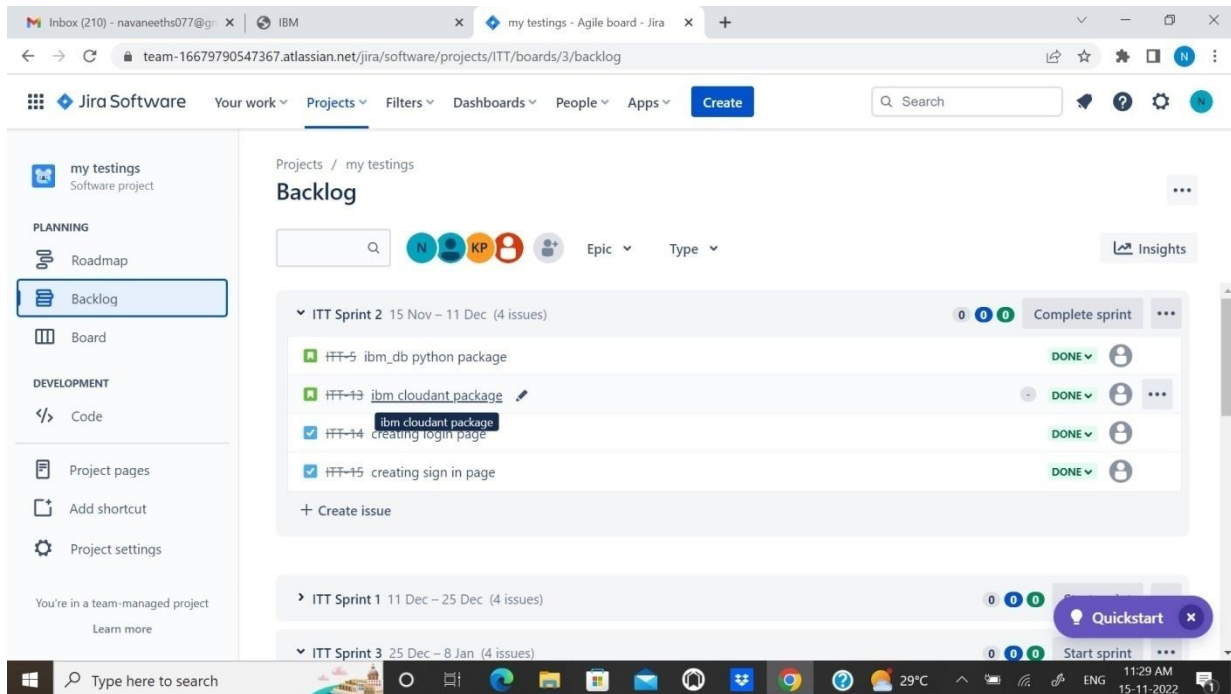


The screenshot shows the Jira Software interface for the 'my testings' project. The left sidebar contains navigation options: my testings (Software project), PLANNING (Roadmap, Backlog, Board), and DEVELOPMENT (Code, Project pages, Add shortcut, Project settings). The main area displays the 'Backlog' for 'ITT Sprint 1' (15 Nov - 25 Dec, 5 issues). The issues are:

- #1-4 hg (DONE)
- #1-9 creating flask project (DONE)
- #1-12 creating database (DONE)
- #1-11 ideation phase (DONE)
- #1-10 deployment of app in cloud (DONE)

A 'Quickstart' button is visible in the bottom right corner of the sprint view.

Sprint-2

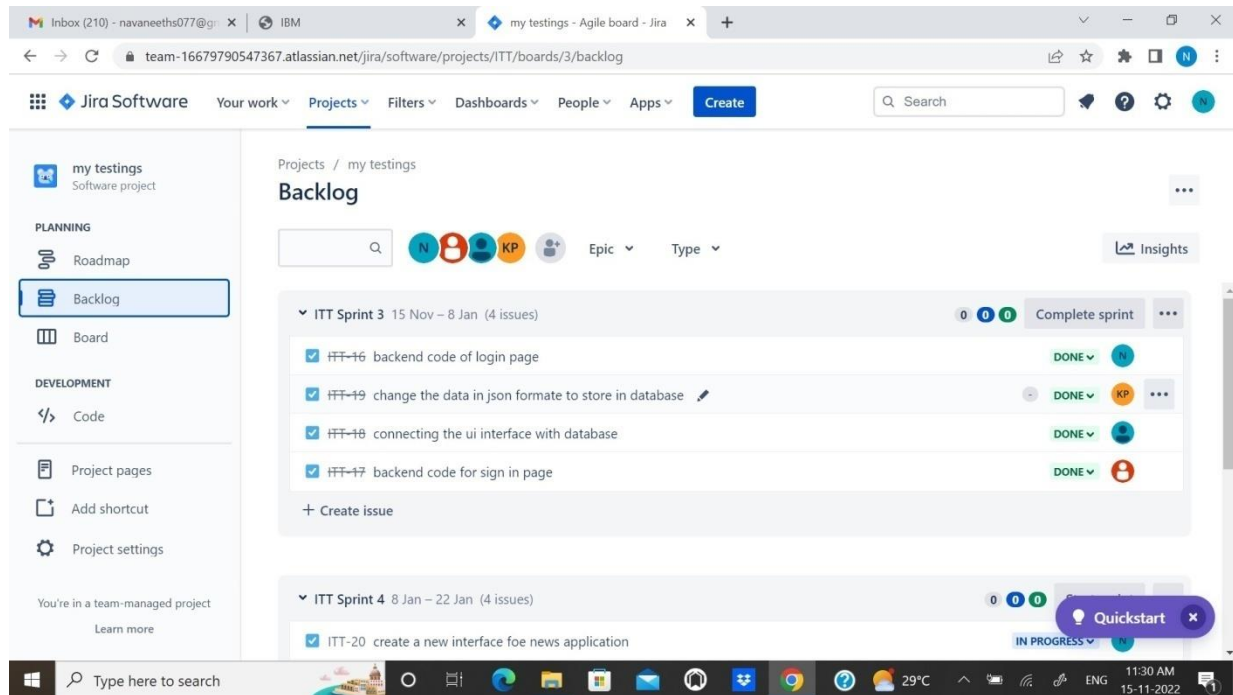


The screenshot shows the Jira Software interface for the 'my testings' project. The left sidebar contains navigation options: my testings (Software project), PLANNING (Roadmap, Backlog, Board), and DEVELOPMENT (Code, Project pages, Add shortcut, Project settings). The main area displays the 'Backlog' for 'ITT Sprint 2' (15 Nov - 11 Dec, 4 issues). The issues are:

- #1-5 ibm_db python package (DONE)
- #1-13 ibm cloudant package (DONE)
- #1-14 creating login page (DONE)
- #1-15 creating sign in page (DONE)

A 'Quickstart' button is visible in the bottom right corner of the sprint view.

Sprint-3

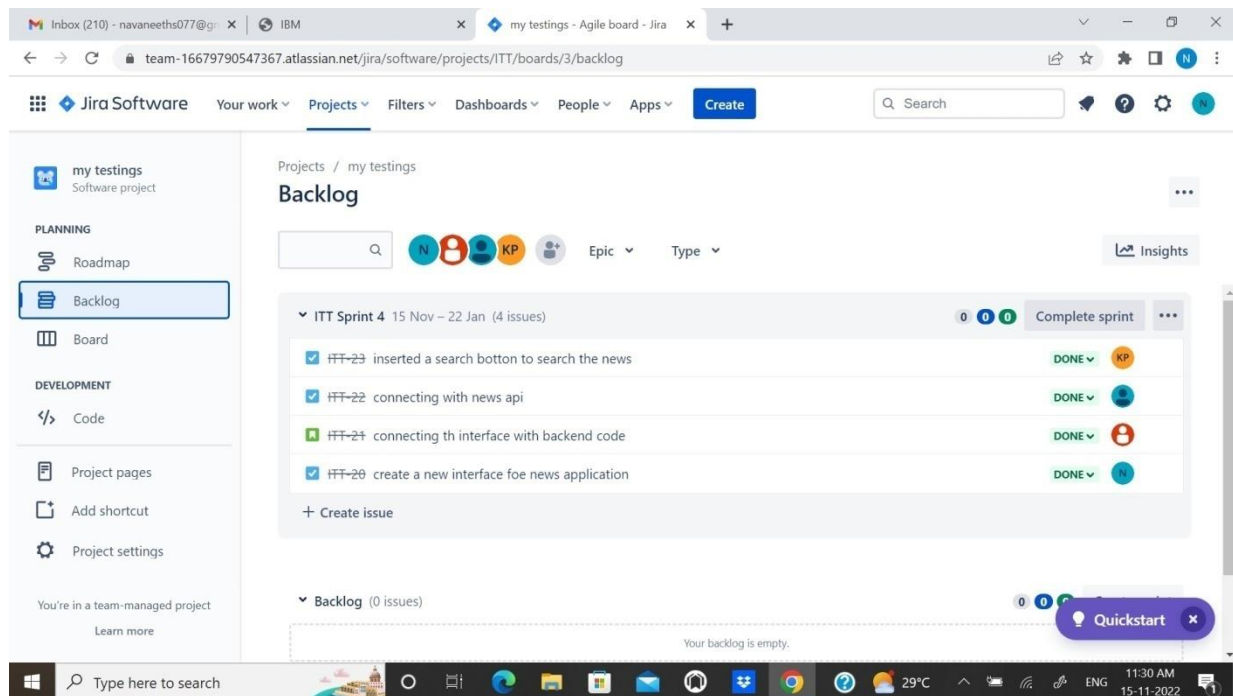


The screenshot shows the Jira Software interface for the 'my testings' project. The left sidebar contains navigation options: Roadmap, Backlog (selected), Board, Code, Project pages, Add shortcut, and Project settings. The main area displays the 'Backlog' for 'ITT Sprint 3' (15 Nov – 8 Jan, 4 issues). The issues are:

- IT-16: backend code of login page (DONE)
- IT-19: change the data in json format to store in database (DONE)
- IT-18: connecting the ui interface with database (DONE)
- IT-17: backend code for sign in page (DONE)

Below the sprint, 'ITT Sprint 4' (8 Jan – 22 Jan, 4 issues) is partially visible, with the first issue 'ITT-20: create a new interface for news application' marked as 'IN PROGRESS'. A 'Quickstart' button is visible in the bottom right corner of the sprint view.

Sprint-4



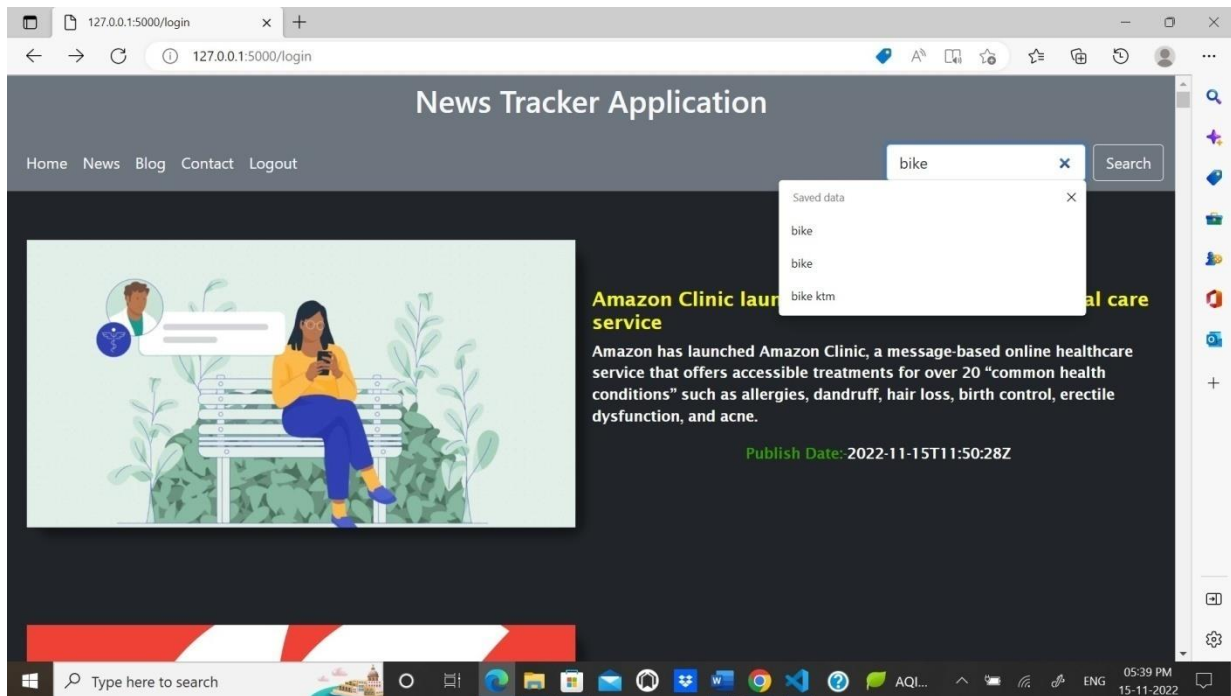
The screenshot shows the Jira Software interface for the 'my testings' project. The left sidebar is the same as in the previous screenshot. The main area displays the 'Backlog' for 'ITT Sprint 4' (15 Nov – 22 Jan, 4 issues). The issues are:

- IT-23: inserted a search button to search the news (DONE)
- IT-22: connecting with news api (DONE)
- IT-21: connecting th interface with backend code (DONE)
- IT-20: create a new interface for news application (DONE)

Below the sprint, the 'Backlog' (0 issues) is shown with the message 'Your backlog is empty.' A 'Quickstart' button is visible in the bottom right corner of the sprint view.

7.CODING & SOLUTIONING

7.1Feature 1



8.TESTING

User Acceptance Testing:

TEAM ID	PNT2022TMID30960
TEAM LEADER	DeviPriya S
PROJECT NAME	News Trecker Application

Test case ID	Feature Type	Component	Test Scenario	Pre-Req	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	TC for Automation (Y/N)	BUG ID
..oginPg..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://shopnizer.com/	Login/Signup popup should display	Working as expected	Pass			
..oginPg..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 d.New customer? Create account link e.Lost password? Recovery password link	https://shopnizer.com/	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.Lost password? Recovery password link	Working as expected	Fail	Steps are not clear to follow		BUG-1234
..oginPg..TC_003	Functional	Home page	Verify user is able to log into application with Valid credentials		1.Enter URL(https://shopnizer.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: chalam@gmail.com password: Testing123	User should navigate to user account homepage					
..oginPg..TC_004	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopnizer.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: chalam@gmail.com password: Testing123	Application should show 'Incorrect email or password' validation message.					
..oginPg..TC_004	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopnizer.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: chalam@gmail.com password: Testing1236786667866786786	Application should show 'Incorrect email or password' validation message.					
..oginPg..TC_005	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopnizer.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: chalam@gmail.com password: Testing1236786667866786786	Application should show 'Incorrect email or password' validation message.					

1. Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issues of the [ProductName] project at the time of the release 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

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	10	4	2	3	20
Duplicate	1	0	3	0	4
External	2	3	0	1	6
Fixed	11	2	4	20	37
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	1	2
Won't Fix	0	5	2	1	8
Totals	24	14	13	26	77

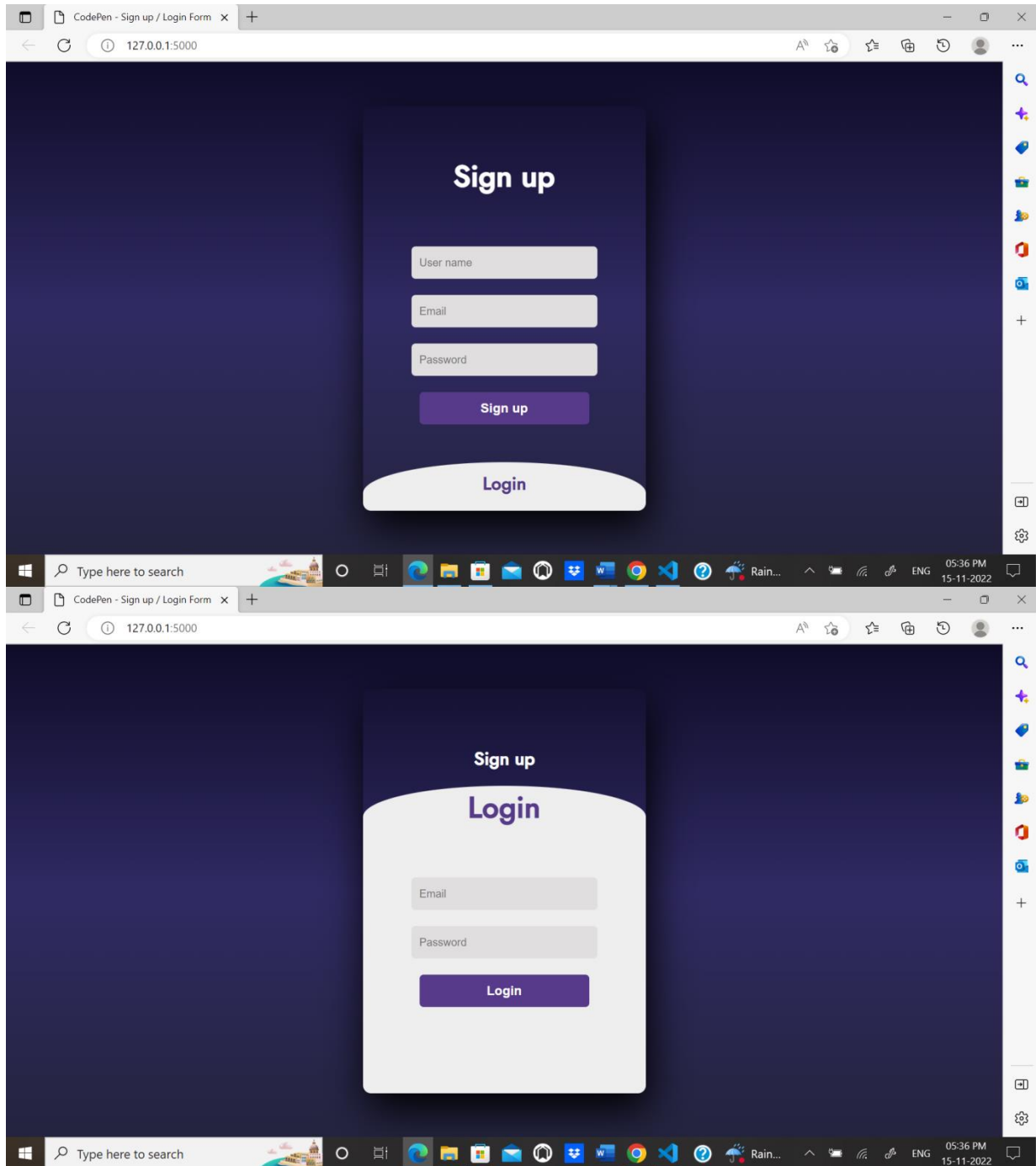
3. Test Case Analysis

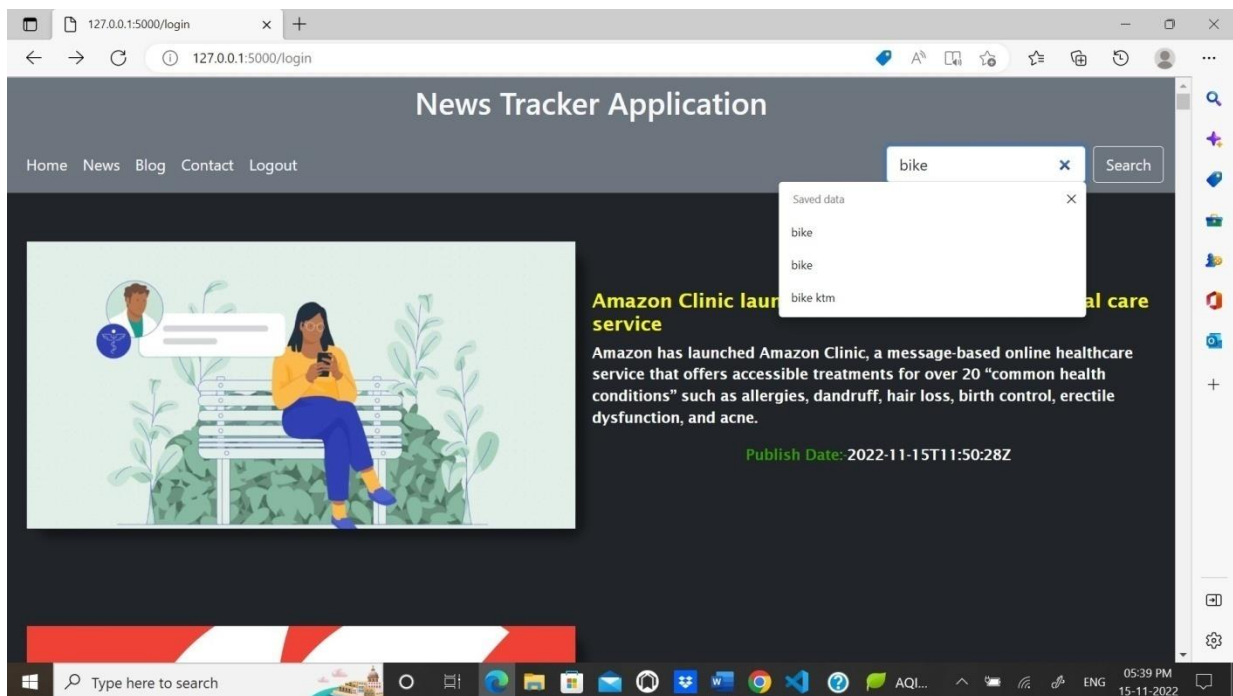
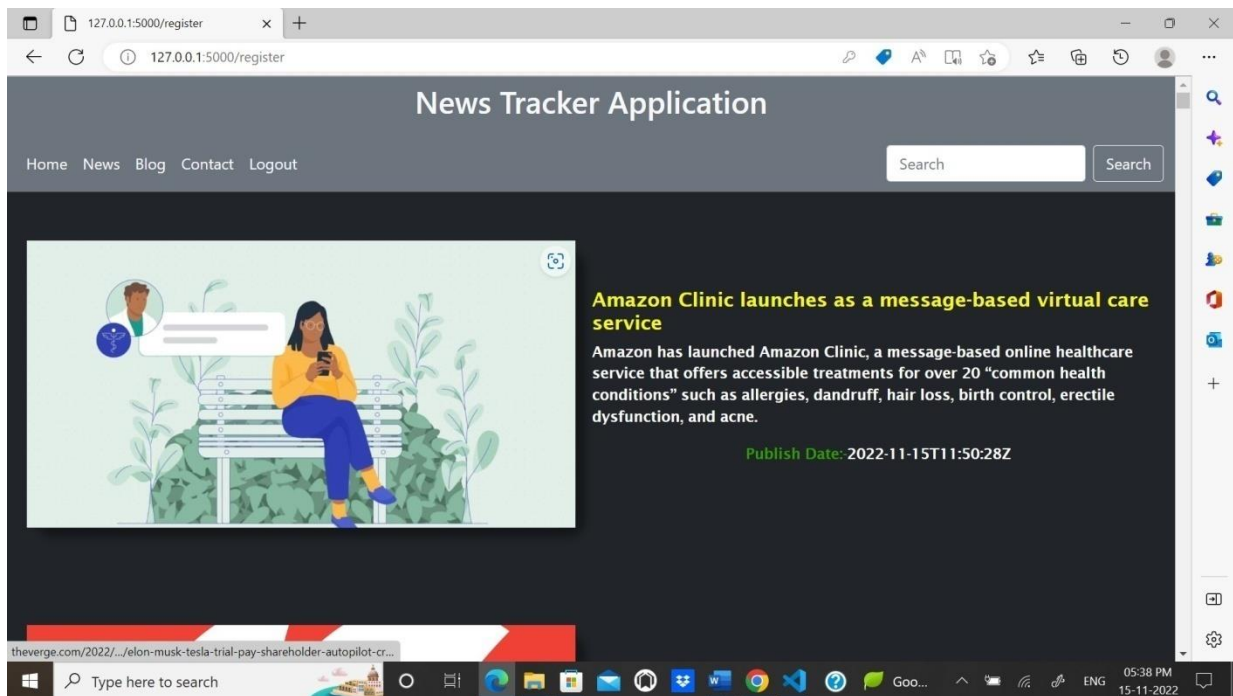
This report shows the number of test cases that have passed, failed, and untested

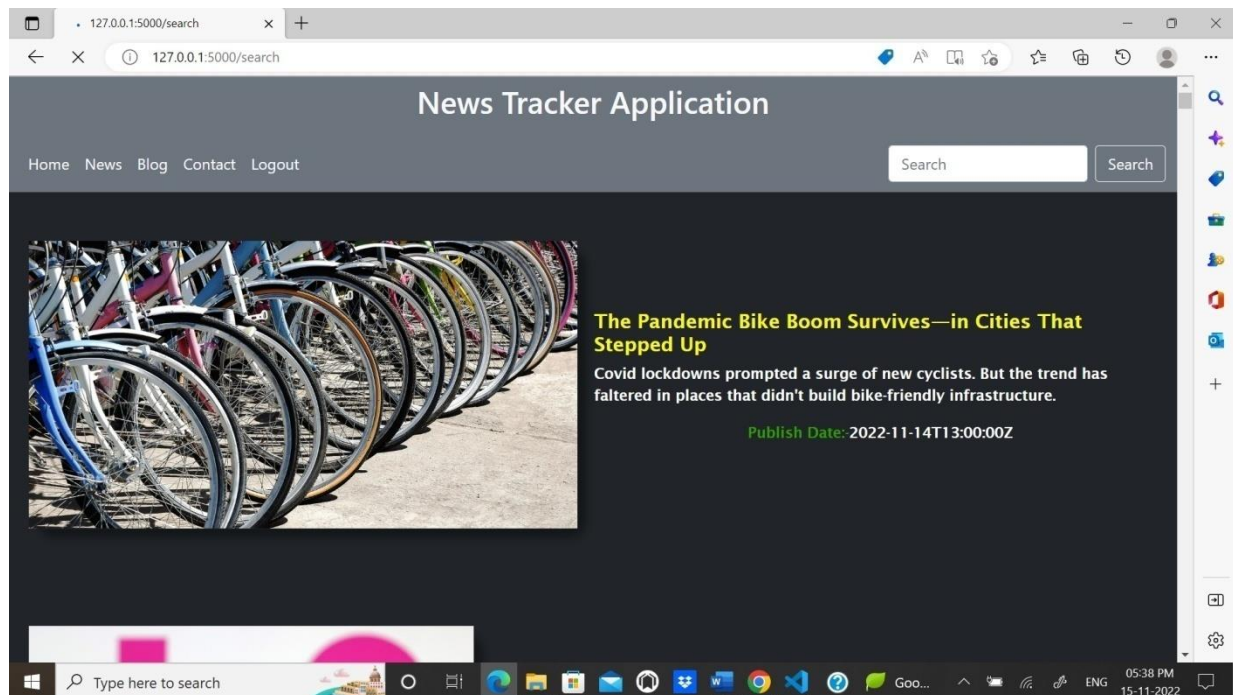
Section	Total Cases	Not Tested	Fail	Pass
Print Engine	7	0	0	7
Client Application	51	0	0	51
Security	2	0	0	2
Outsource Shipping	3	0	0	3
Exception Reporting	9	0	0	9
Final Report Output	4	0	0	4
Version Control	2	0	0	2

9.RESULTS

9.1Performance Metrics







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 quit simple and friendly

10. DISADVANTAGES

1. Same news which is published in different websites can be displayed.
2. Delay response of news api 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>
```

```

</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-
IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js" integrity="sha384-
cVKIPhGWic2Al4u+LWgxfKTRlcfu0JTxR+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="">

```

```

        <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>Devipriya 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>Anusuya R</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>Anusuya R</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>
    </a>
</td>
</tr>
<tr>
<td>Gowsalya P </td>
<td>

```

```

    <a href="https://www.linkedin.com/in/gowsalya-p-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-IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js" integrity="sha384-cVKIPhGWIC2Al4u+LWgxfKTRlcfu0JTtR+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;
}

```

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/fo0picsp1nhiucmc0l2
5s29respgpr4j/1631524275000/03522360960922298374/03522360960922298374/1Sx0jhdpEpnNIydS4r
nN4kHSJtU1EyWka?e=view&authuser=0&nonce=gcrocepghb17m&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{
        color: #fff;
        font-size: 2.3em;
        justify--weighsor:
        pointer;
        transition: .5s ease-in-out;

        width: 60%;
        height: 20px;
    }
    input{
        background: #e0dede;
        justify-content: center;
        display: flex;
        margin: 20px auto;
        padding: 10px;
        border: none;
        outline: none;
        border-radius: 5px;

        width: 60%;
    }
    button{

```

```

        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'])
```

```
        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['description'])
        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,userPassword):
    jsongdata = { }
    jsongdata["userName"] = str(userName)
    jsongdata["userEmail"] = str(userEmail)
    jsongdata["userPassword"] = str(userPassword)

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

def authenticate(userName,userEmail):
    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,userPassword):
    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,userPassword)
    return news()

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

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

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

```

GitHub :

<https://github.com/IBM-EPBL/IBM-Project-36465-1660297727>

Project Demo Link: https://github.com/IBM-EPBL/IBM-Project-36465-1660297727/blob/main/News%20Tracker/Final%20deliveries/PNT2022TMID41776_News%20TrackerApplication_video_.mp4