Project Name	**News Tracker Application**
Domain	**Cloud Application Development**
Team ID	**PNT2022TMID20040**

Team Leader	**Kamalesh K**
Team Member 1	**Saravana Sanjay**
Team Member 2	**Siva Sankar**
Team Member 3	**Vignesh**

1. INTRODUCTION

1.1 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.

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every minute and distributed via television, radio and the Internet, so the news updated the next morning is already outdated.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

S.NO	PAPER	AUTHOR	YEAR	SHORT DESCRIPTION	RESULT	FUTURE WORK AND ANALYSIS

1.	Exploring mobile news reading interactions for news app personalisation	Marios Constantinides, John Dowell, David Johnson, Sylvain Malacria	2018	• Report a series of three studies addressing key issues in the development of adaptive news app interfaces. • Implemented and deployed an Android news app that logs users' interactions with the app. We used the logs to train a classifier and showed that it is	• 71% of Trackers preferred the adaptive interface to browse with 29% of them stating a strong preference, whereas all of them found the adaptive interface better for reading. • However, 80% of the Reviewers preferred the baseline for Dippers navigation, combining the jump-to category and the	• Further explore the design of adaptive interfaces, in order to be in a position to demonstrate a complete adaptive mobile news framework providing automatic personalisation of news apps.

				able to reliably recognise a user according to theirreader type. • Evaluation demonstrates the differential benefit of the adaptation for different users of the news app and the feasibility of adaptive interfaces for news apps.	return-to-top functionality.	
2.	A Hybrid User Model for News Story Classificati on	Daniel Billsus and Michael J.Pazzani	1999	• Based on feedback from the user, the system automatically adapts to the user 's preferences and interests. • First motivate the use of multi-strategy machine learning approach,Second investigate the utility of explicitly modelling	• 80% percent of people like this because of voice interaction • There is less amount of time for searching news	• The feature of expanding categories to provide the big picture of stories within a category.

				information that system has alreadypresented to the user. • This allows us to address an important issue. We evaluate the proposed algorithms on user data collected with a prototype of our system, and assess the individual performance contributions of both model components.		
3.	A method for user profile adaptation in document retrieval	Bernadetta Mianowska, Ngoc Thanh Nguyen	2011	• A user profile and its adaptation method is proposed. • To evaluate the proposed method, simulation of user behaviour is described. • Performed experimental evaluation shows that the distance between created	• 80% of people like this because the time consumption is low.	• No future Work

				user profile and user preferences is decreasing with subsequent actualization processes steps.		
4.	Resource Exchanges Between Mobile News Apps and Third-Parties	Aske Kammer	2021	• User data constitute a critical strategic resource in the digital economy, third-party capture of user data challenges the governance of news organizations. • Analyzing the prevalence and distribution of resource exchanges, the article maps connections between an international sample of mobile news apps ($n = 24$) and external third-parties in	• This enable the secure transformation of news between third parties and the mobile news app	• The future work is to increase the relaiability,security and privacy.

				2016, 2017, and 2021. • Understanding of the digital transformation of news organizations and of the digital economy of the news industry, emphasizing the network power of third-parties and discussing the organizational, democratic, and privacy-related implications of resource exchanges in the digital news industry.		
5.	Tailored News in the Palm of Your HAND: A Multi-Perspective	Mozhgan Tavakolifard Jon Atle Gulla, Kevin Almeroth	2013	• Help users retrieve news that is relevant in their particular context and can be presented in ways that require minimaluser interaction.	• Because of the usage of several filtering technique the filtered news reach the people earlier so most of the people like this approach.	• Will add extensions with event and entity news views. Basically, there will be screens supporting the list of most prominent entitiesand events for the

	Transparent Approach to News Recommendation			• The availability of contextual information about mobile users, though, current mobile news applications employ rather simple strategies for news recommendation. • Our multi-perspective approach unifies temporal, locational, and preferential information to provide a more fine-grained recommendation strategy.	• And there is module for s and client sic the fastest ap news deliver many busine approach thi reading.

2.1 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/

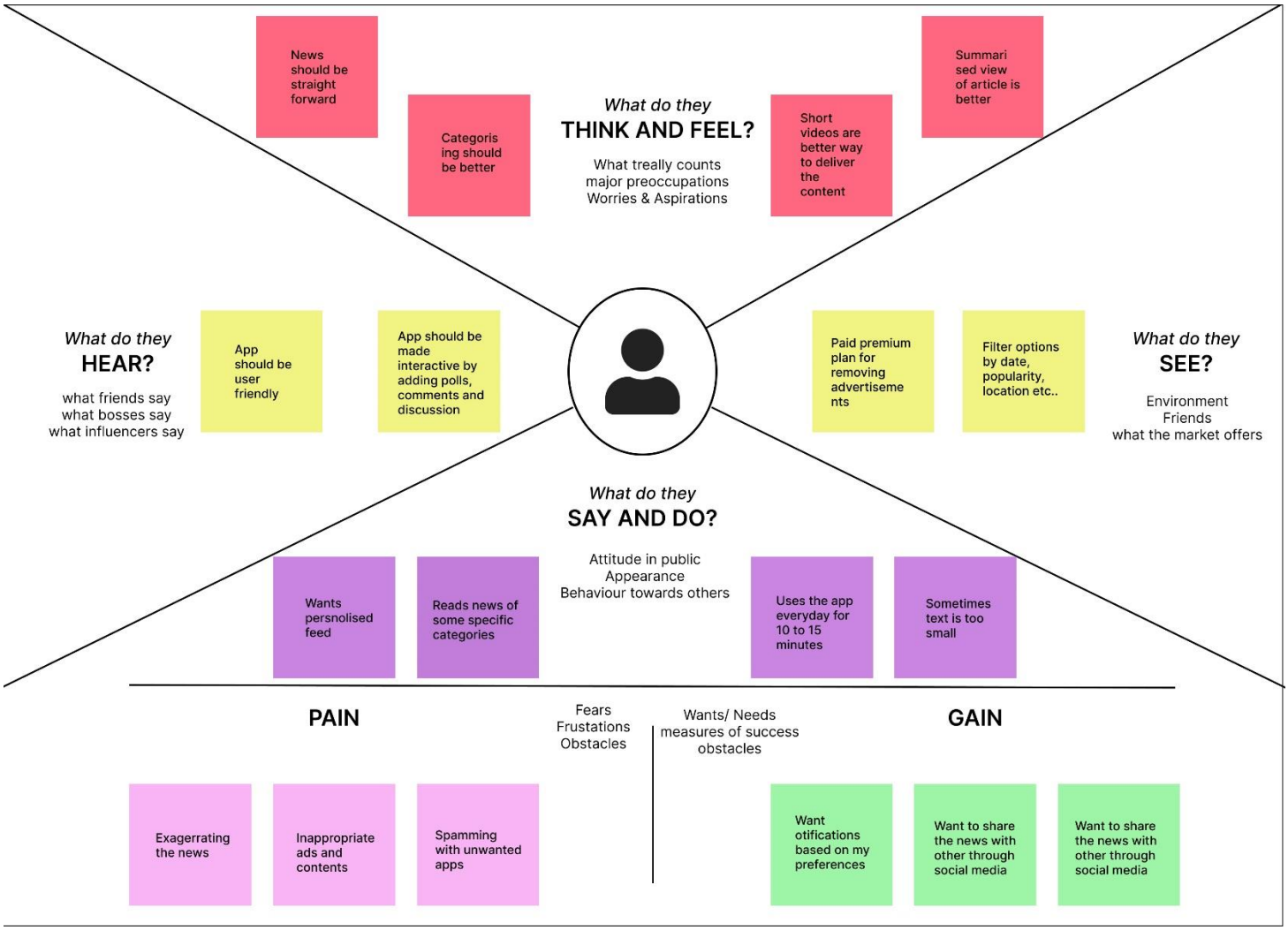
2.2 Problem Statement Definition

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

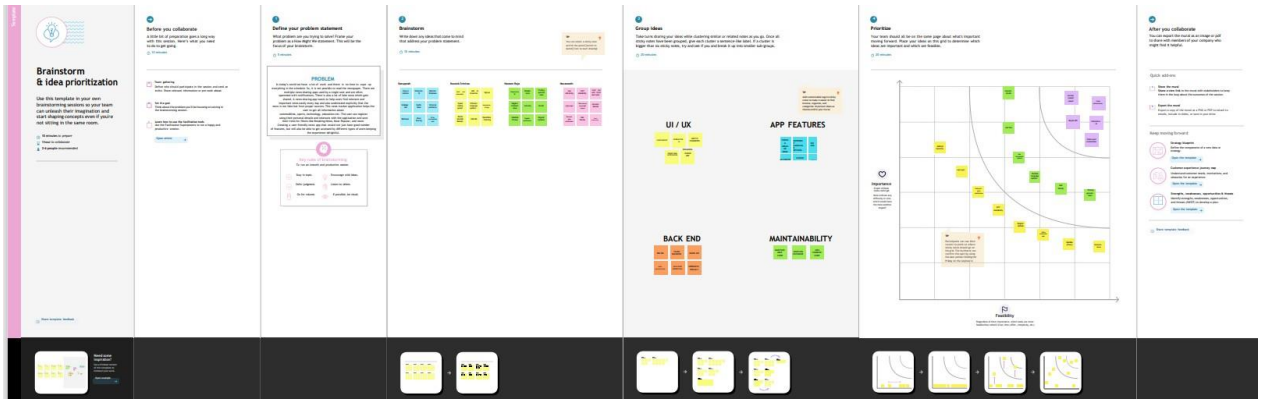
explicitly that the news is not fake but from proper sources. This news tracker application helps the user to get all information about commodities, sports, technology, education etc. The user can register using their personal details and interacts with the application and save their time. • Creating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

3.1. Empathy Map Canvas



3.2. Ideation & Brainstorming

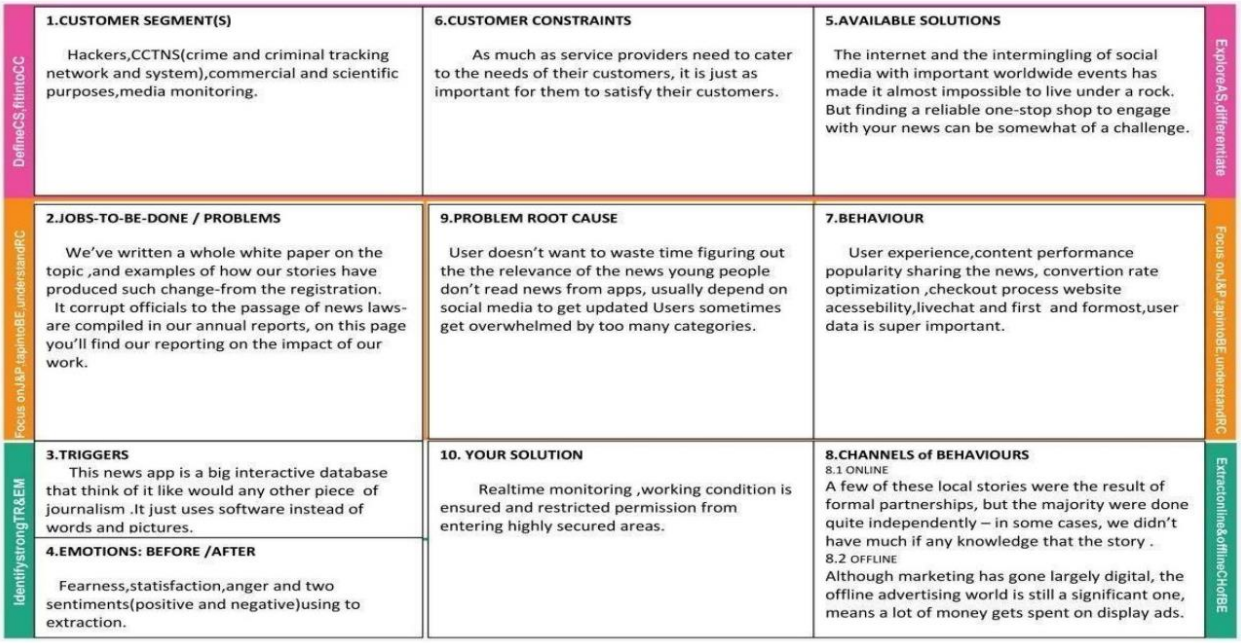


3.3. Proposed Solution

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 4 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.

3.4. Problem Solution fit



4. REQUIREMENT ANALYSIS

4.1 Functional requirement

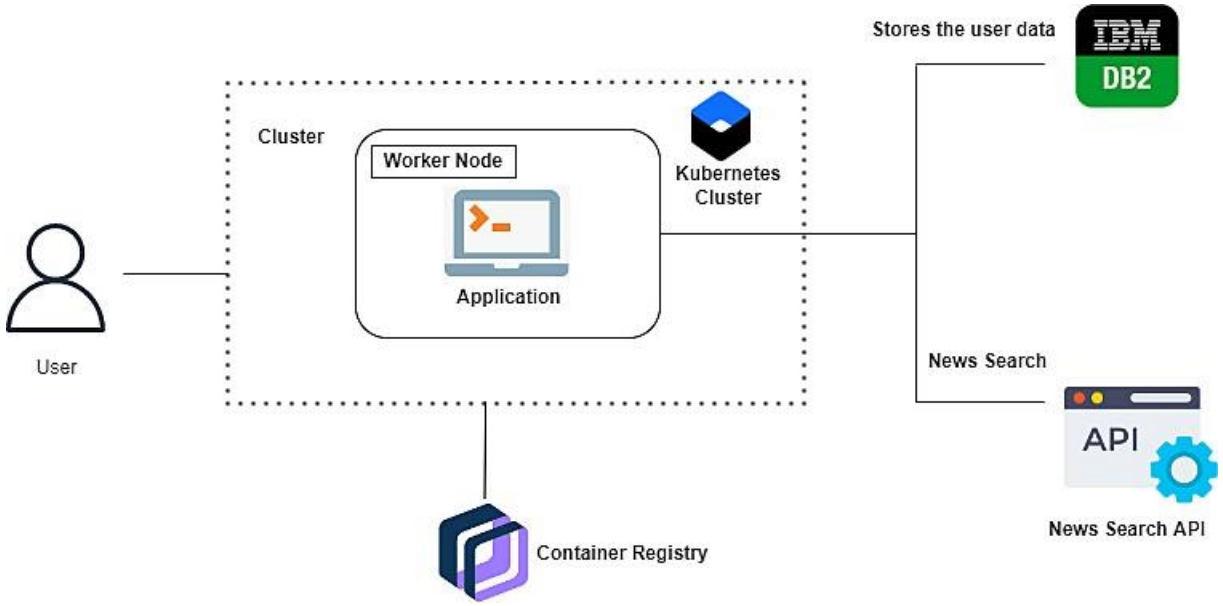
FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Installation	User can install the app from Google play store or from the website
FR-2	User Registration	Registration through Form Registration through Gmail
FR-3	User Confirmation	Confirmation via Email
FR-4	User Login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

4.2 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



5.2. 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.

5.3.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

6.1. Sprint Planning & Estimation

Sprint	Functional Requirement (Epic)	User Story Number	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	Tharuna Shri Mathumitha murali Roshini Suba Shree
Sprint-1		USN-2	s a user, I will receive confirmation email once I have registered for the application	1	High	Tharuna Shri Mathumitha murali Roshini Suba Shree
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Tharuna Shri Mathumitha murali Roshini Suba Shree
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Tharuna Shri Mathumitha murali Roshini Suba Shree
Sprint=1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Tharuna Shri Mathumitha murali Roshini Suba Shree

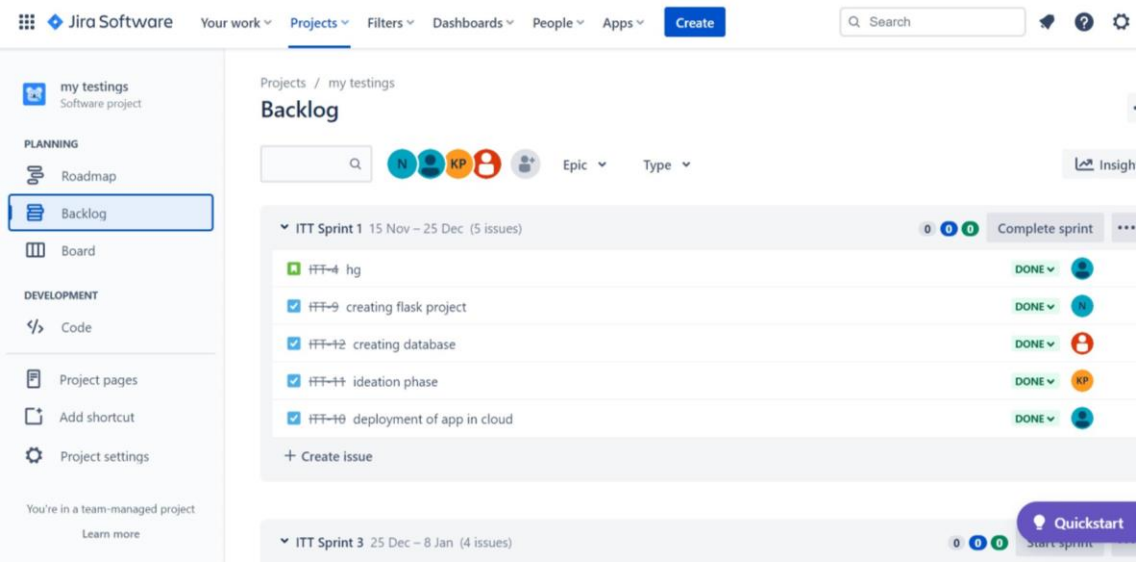
Sprint-3	Dashboard	USN-6	As a user, I will able to see the login and profile details	2	Medium	Tharuna Shri Mathumitha murali Roshini Suba Shree
Sprint-1	IBM cloud	USN-10	As a tracker, I collect all the NEWS from the cloud	1	Medium	Tharuna Shri Mathumitha murali Roshini Suba Shree
Sprint-3	IBM cloudant	USN-11	As a database manager, I can collect all the user details and NEWS application details	2	Medium	Tharuna Shri Mathumitha murali Roshini Suba Shree

6.2. Sprint Delivery Schedule

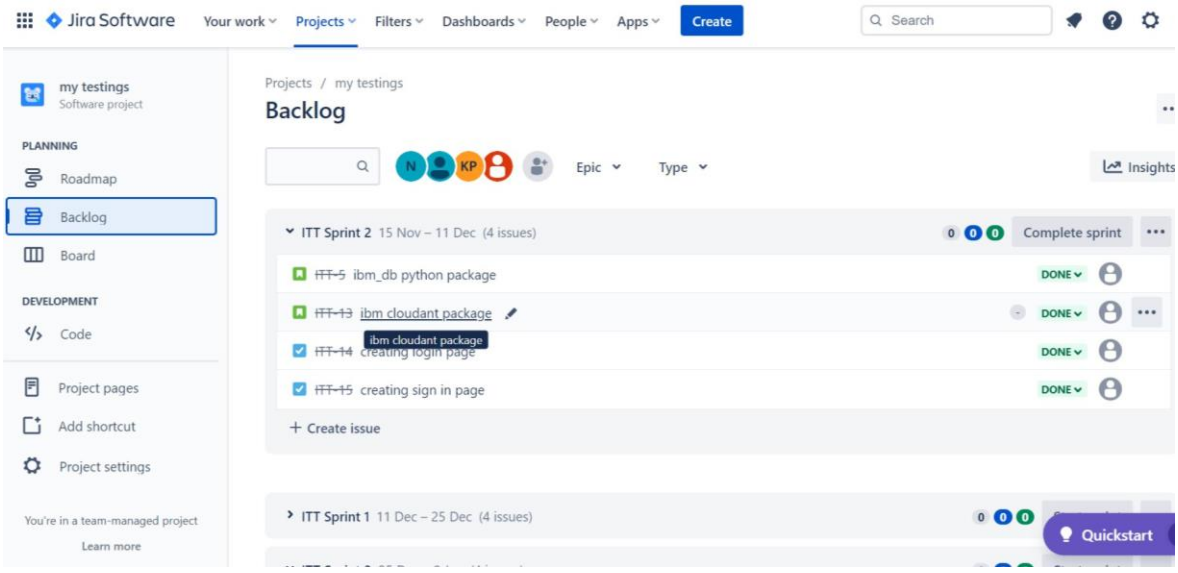
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022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

6.3. Reports from JIRA

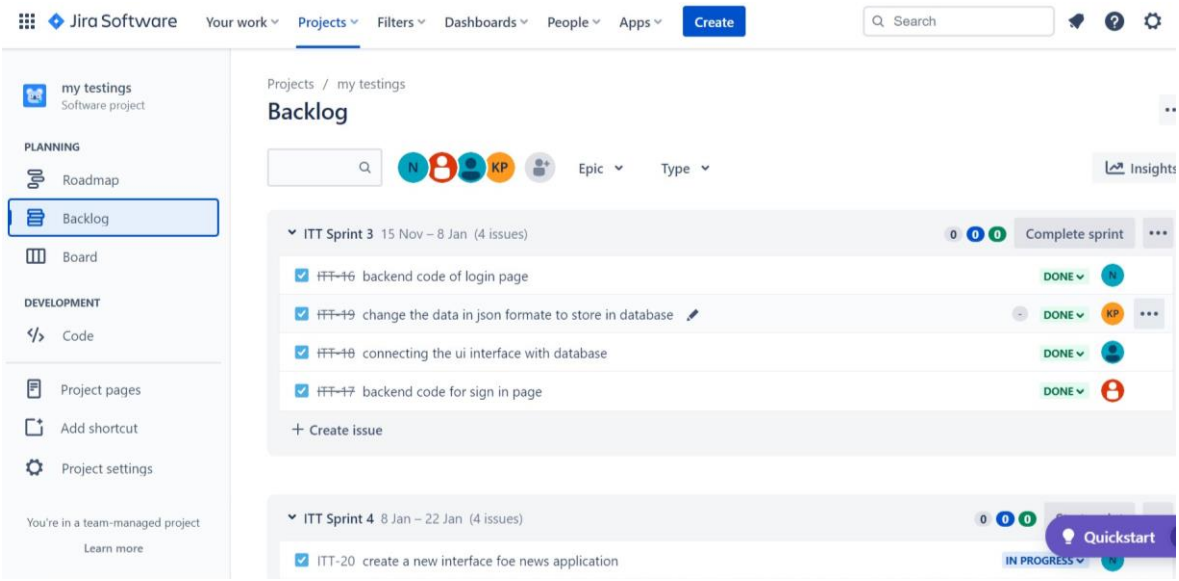
Sprit-1



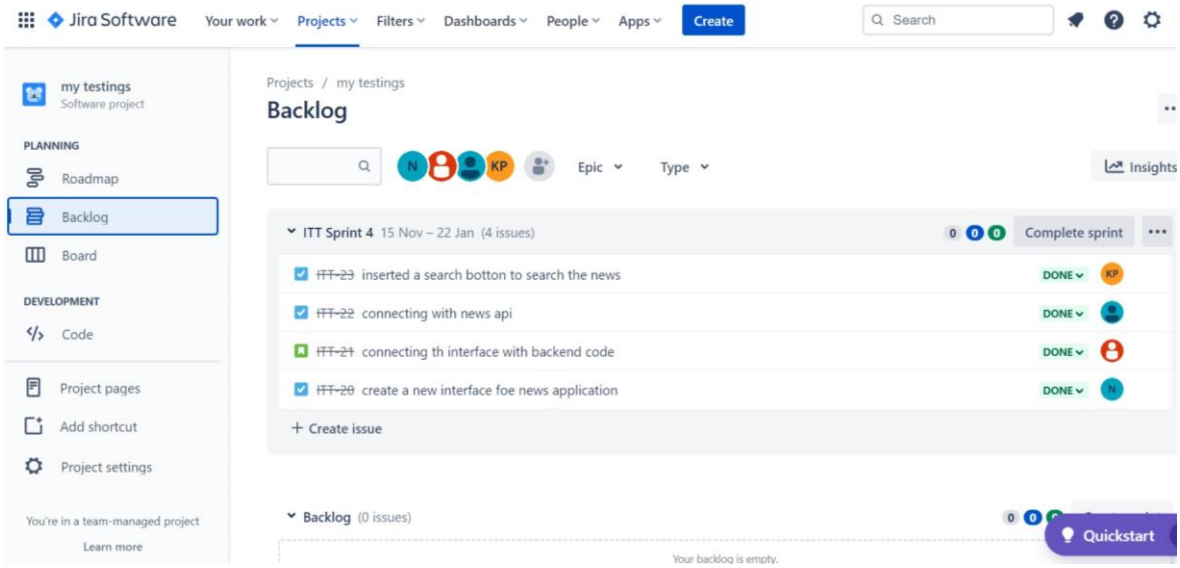
Sprint-2



Sprint-3

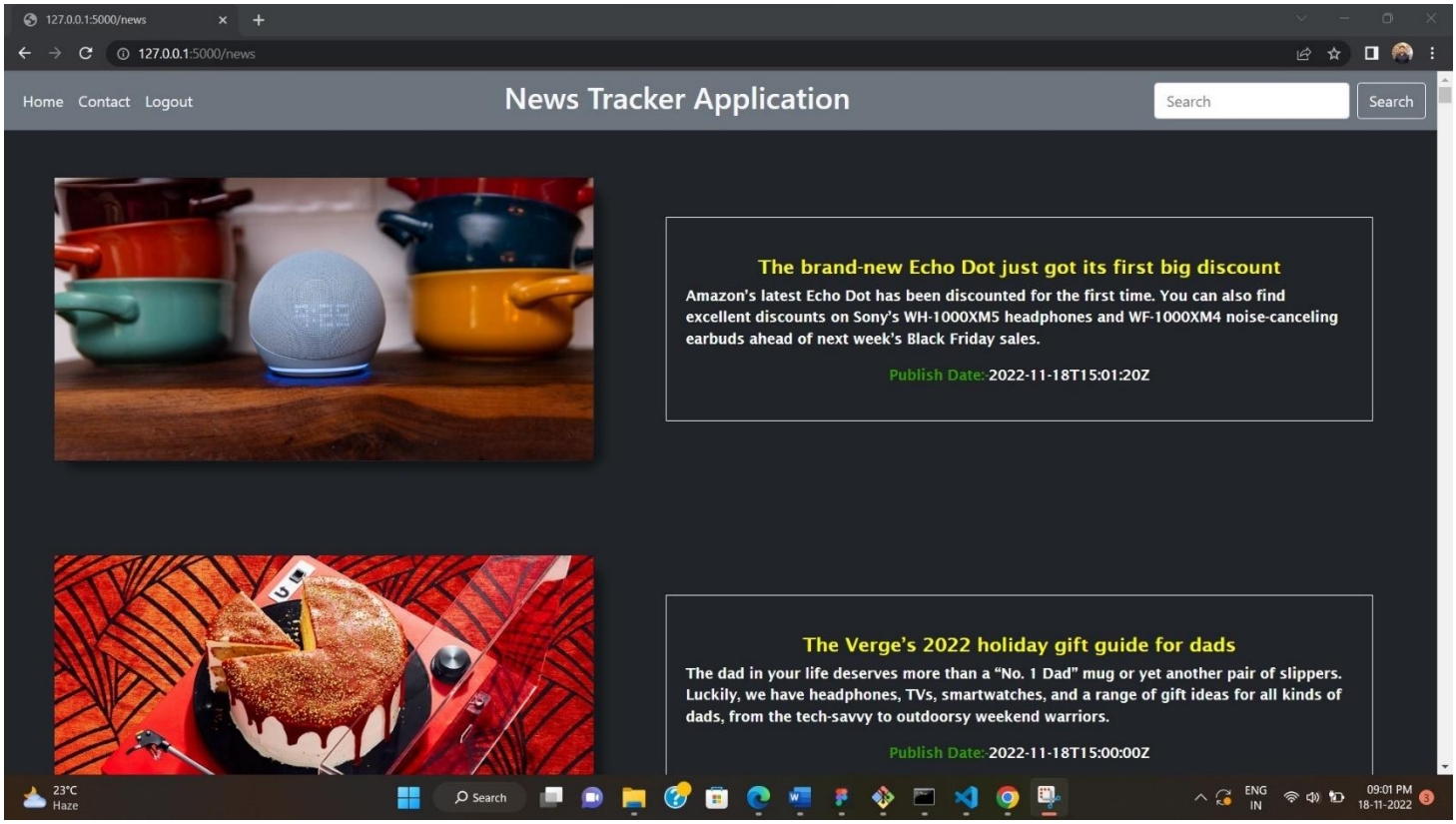


Sprint-4



7. CODING & SOLUTIONING

7.1 Feature 1



8. TESTING

8.1. User Acceptance Testing

				Date	03-Nov-22								
				Team ID	PNT2022TMID20040								
				Project Name	News Tracker 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
LoginPage_TC_003	Functional	Home page	Verify user is able to log into application with Valid credentials		1.Enter URL(https://newstracker.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: tharunashri@gmail.com password: Testing123	User should navigate to user account homepage						Sivasankar
LoginPage_TC_004	Functional	Login page	Verify user is able to log into application with InValid credentials		1.Enter URL(https://newstracker.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: saravana45@gmail.com password: Testing123	Application should show 'Incorrect email or password ' validation message.						Vignesh
LoginPage_TC_004	Functional	Login page	Verify user is able to log into application with InValid credentials		1.Enter URL(https://newstracker.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: siva38@gmail.com password: Testing123	Application should show 'Incorrect email or password ' validation message.						Kamalesh
LoginPage_TC_005	Functional	Login page	Verify user is able to log into application with InValid credentials		1.Enter URL(https://newstracker.com/) and click go 2.Click on My Account dropdown button 3.Enter InValid username/email in Email text box	Username: kamalesh password: 12345678	Application should show 'Incorrect email or password ' validation message.						Saravana Sanjay

Acceptance Testing
UAT Execution & Report Submission

Date	03 November 2022
Team ID	PNT2022TMID20040
Project Name	Project - News Tracker Application
Maximum Marks	4 Marks

1. Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issues of the [News Tracker Application] 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

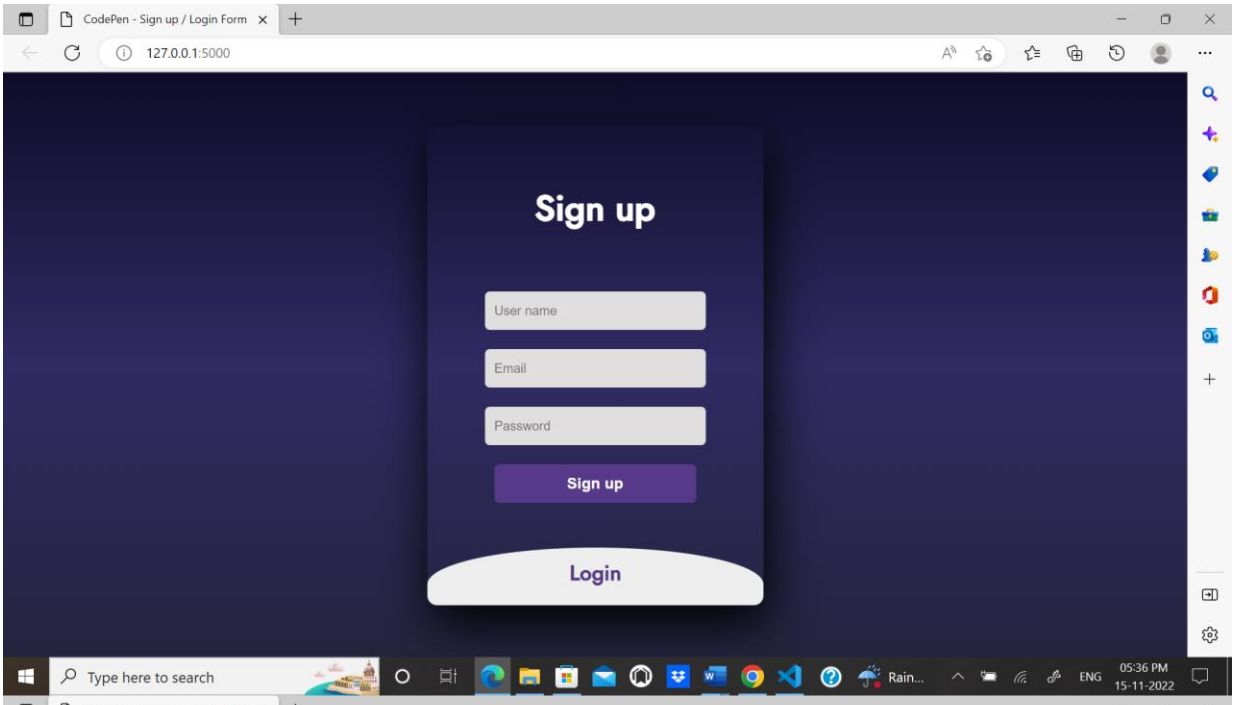
3. Test Case Analysis

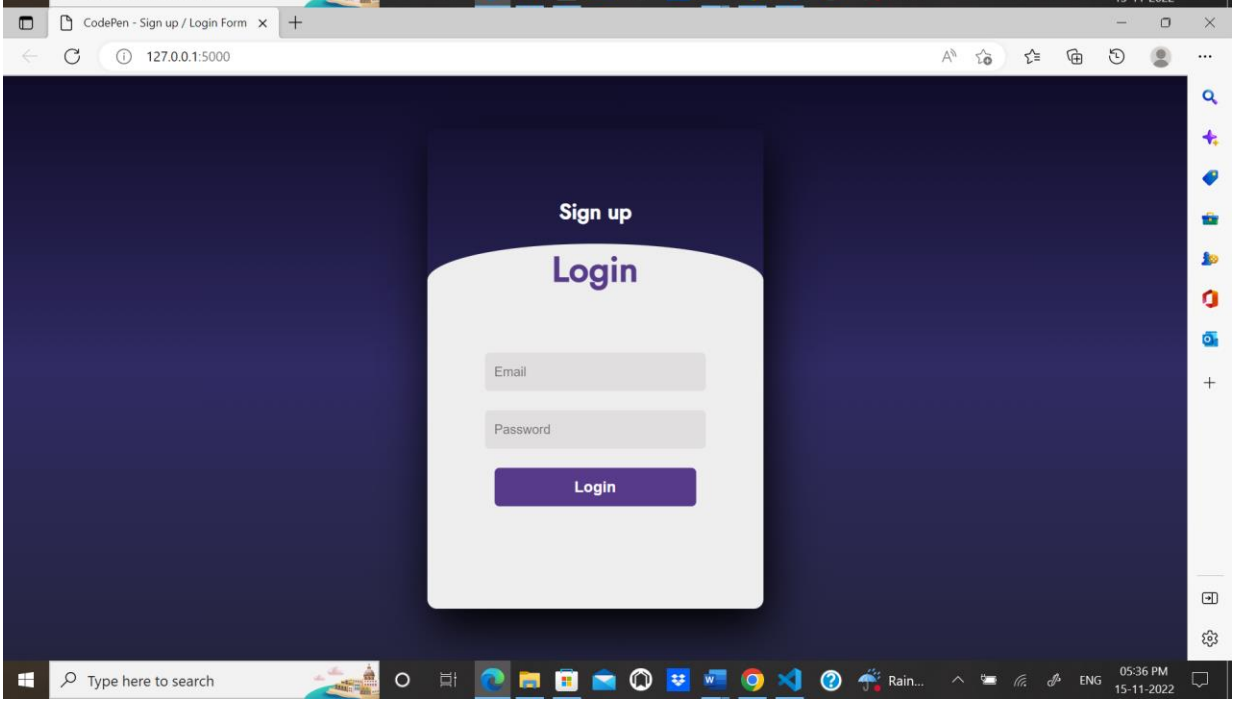
This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Fail	Pass
Print Engine	7	0	0	7
Client Application	51	0	0	51
Security	2	0	0	2

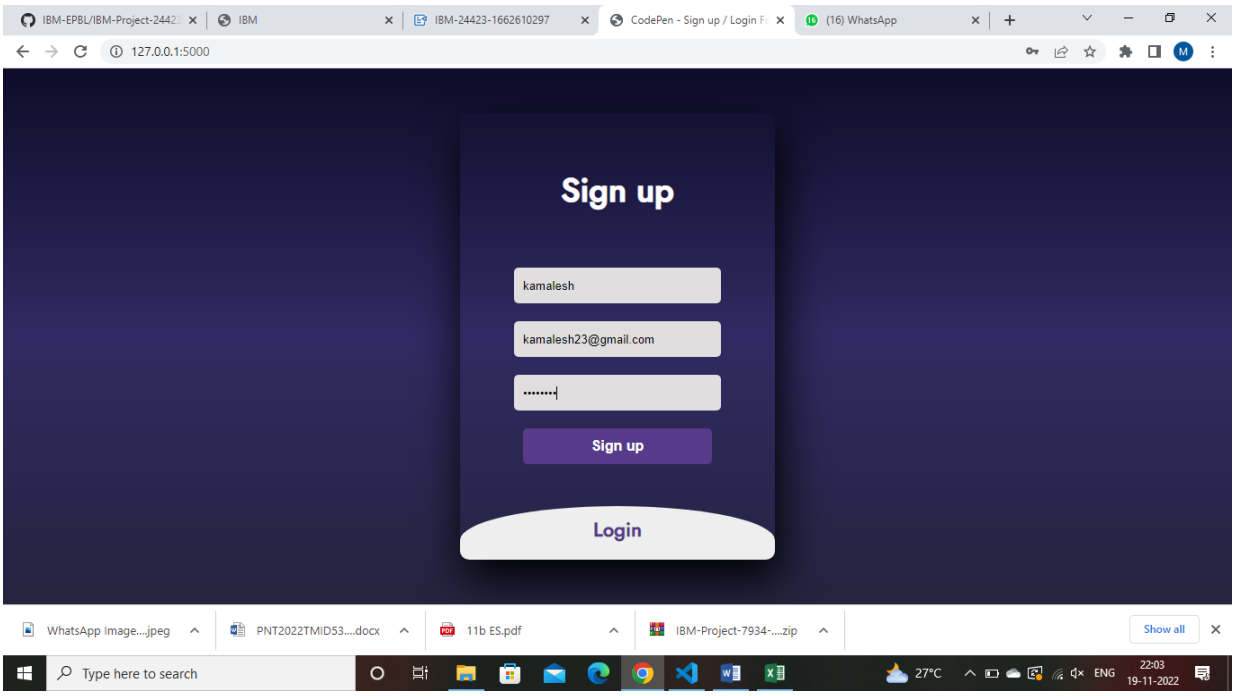
9.RESULTS

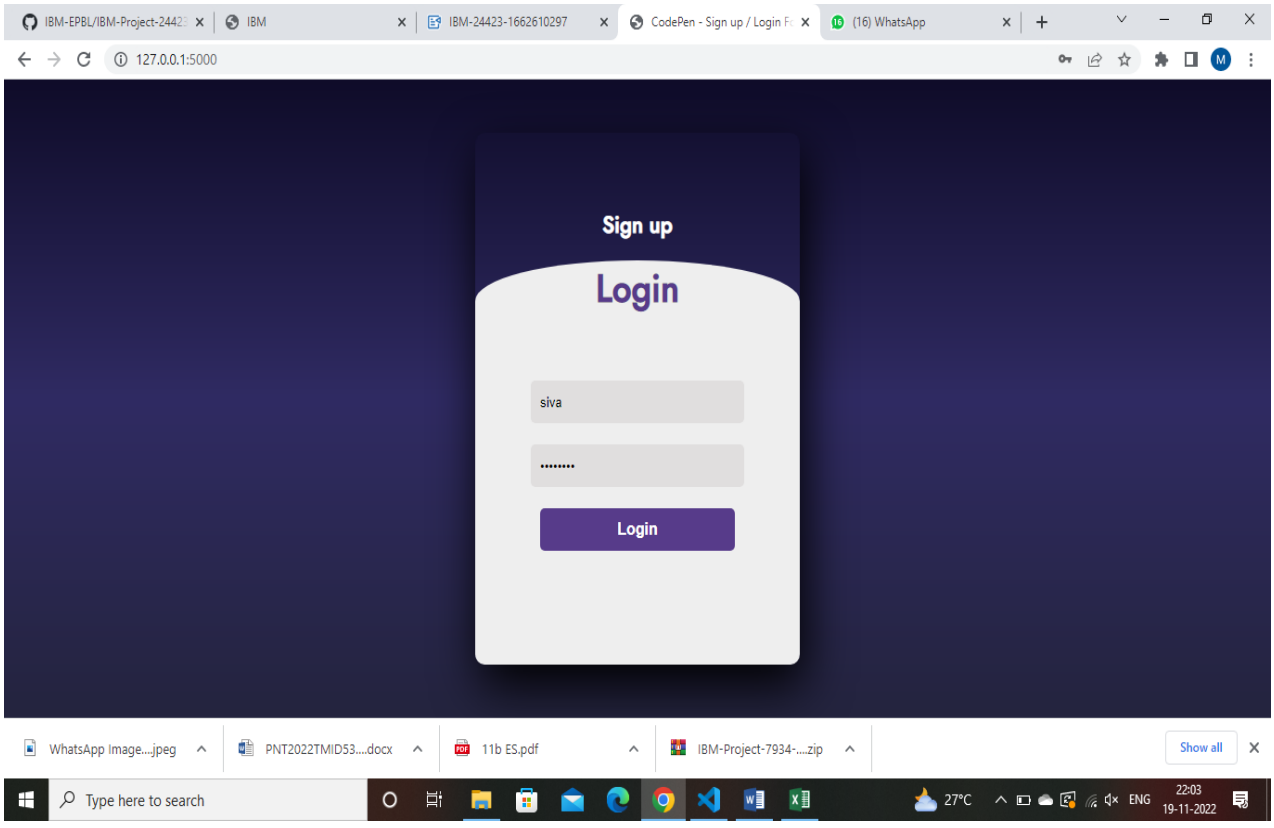
9.1Performance Metrics

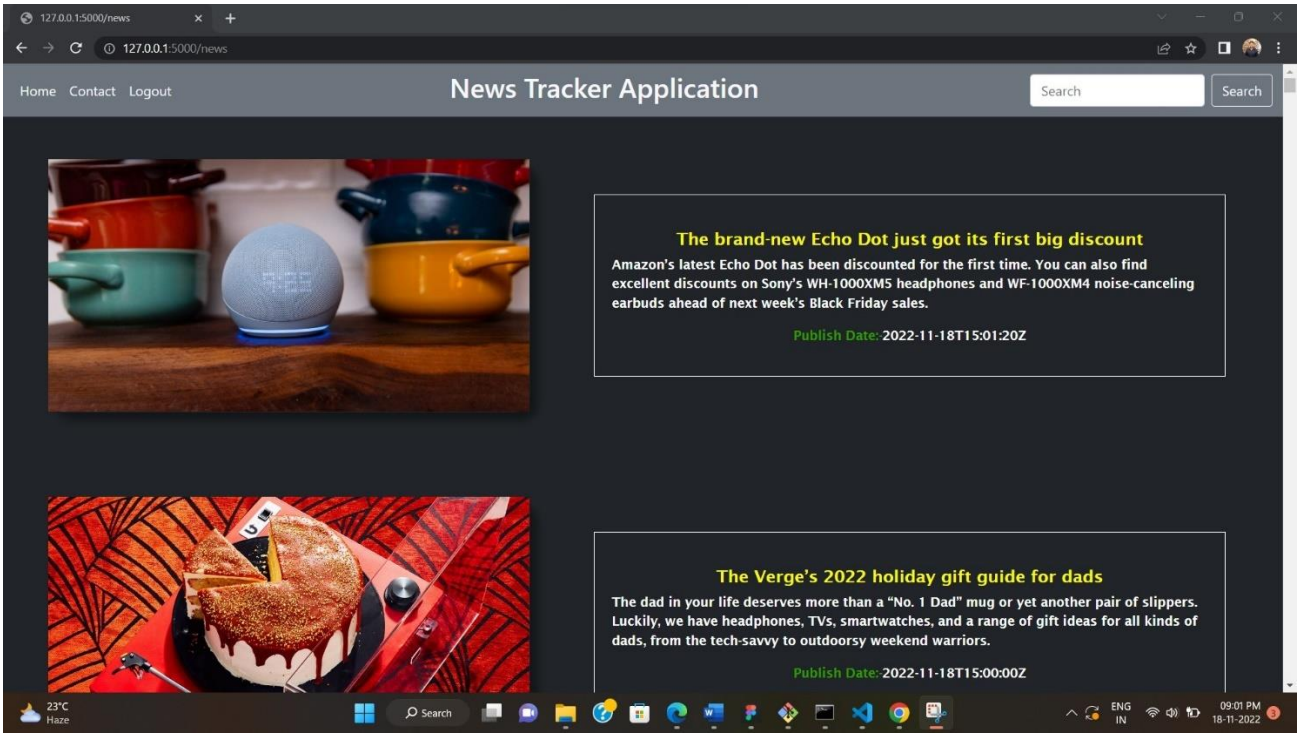


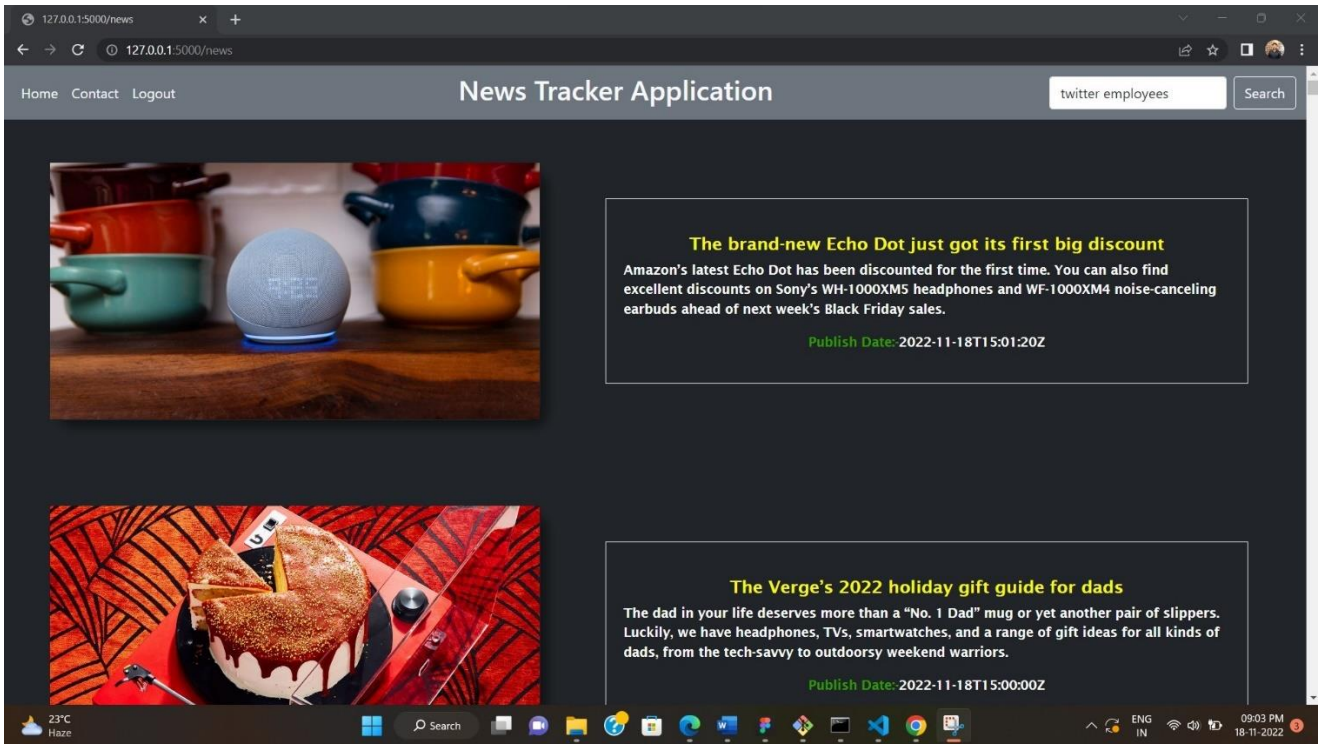


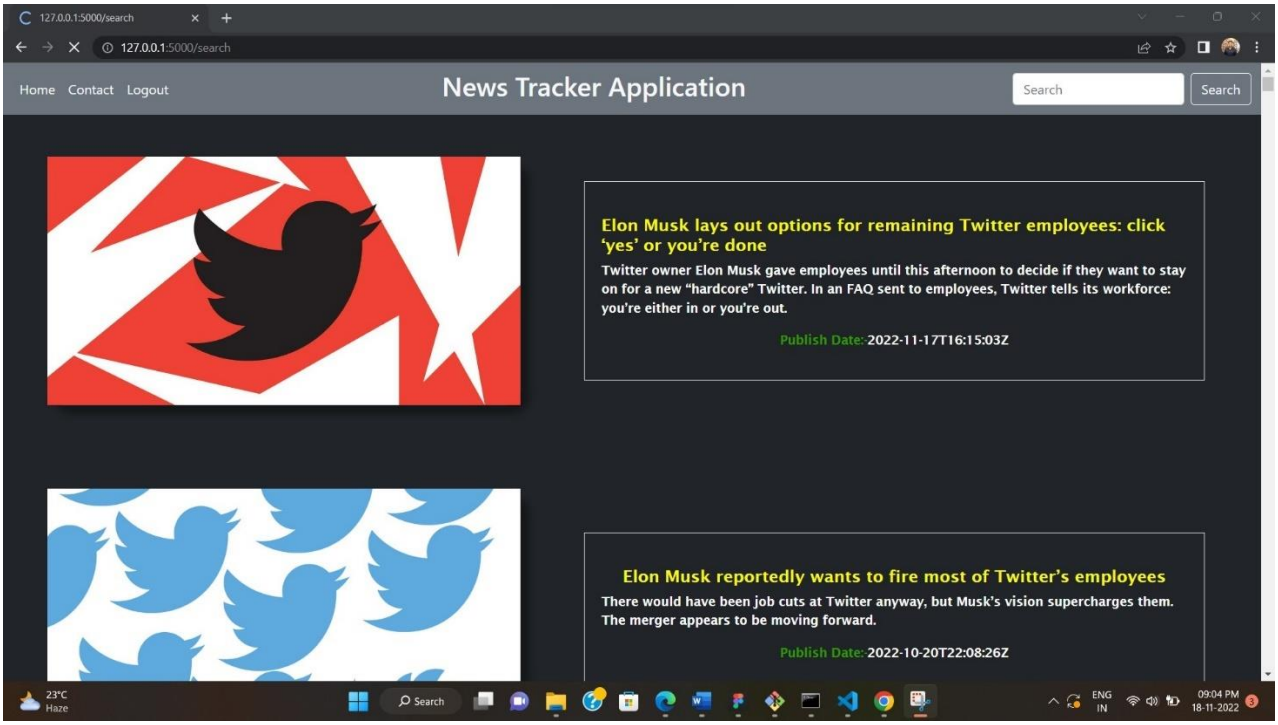
ll


Sign up
kamalesh
kamalesh23@gmail.com
Sign up
Login


Sign up
Login
siva
Login


127.0.0.1:5000/news
Home Contact Logout
News Tracker Application
Search
Search
The brand-new Echo Dot just got its first big discount
Amazon's latest Echo Dot has been discounted for the first time. You can also find excellent discounts on Sony's WH-1000XM5 headphones and WF-1000XM4 noise-canceling earbuds ahead of next week's Black Friday sales.
Publish Date:2022-11-18T15:01:20Z
The Verge's 2022 holiday gift guide for dads
The dad in your life deserves more than a "No. 1 Dad" mug or yet another pair of slippers. Luckily, we have headphones, TVs, smartwatches, and a range of gift ideas for all kinds of dads, from the tech-savvy to outdoorsy weekend warriors.
Publish Date:2022-11-18T15:00:00Z
23°C
Haze
Search
ENG
IN
09:01 PM
18-11-2022


127.0.0.1:5000/news
Home Contact Logout
News Tracker Application
twitter employees
Search
The brand-new Echo Dot just got its first big discount
Amazon's latest Echo Dot has been discounted for the first time. You can also find excellent discounts on Sony's WH-1000XM5 headphones and WF-1000XM4 noise-canceling earbuds ahead of next week's Black Friday sales.
Publish Date:2022-11-18T15:01:20Z
The Verge's 2022 holiday gift guide for dads
The dad in your life deserves more than a "No. 1 Dad" mug or yet another pair of slippers. Luckily, we have headphones, TVs, smartwatches, and a range of gift ideas for all kinds of dads, from the tech-savvy to outdoorsy weekend warriors.
Publish Date:2022-11-18T15:00:00Z
23°C
Haze
Search
ENG
IN
09:03 PM
18-11-2022



10. ADVANTAGES

1. All trending news will be displayed in a orderly manner.
2. We can costomize 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"><img
src="https://t4.ftcdn.net/jpg/03/37/92/49/360_F_337924964_fF6I0iZkv9lvoIEn71f0OsgawArIPPDu.jpg
">
   </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}}"><img src="{{img}}"></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}}"><img src="{{img}}"></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+LWgxfKTRIcfu0JTxR+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>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 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 1 .016-.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-IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+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;
  }
```

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/fo0picsp1nhiucmc0l25s29respgpr4j/1631524275000/03522360960922298374/03522360960922298374/1Sx0jhdpEpnNIydS4rnN4kHSJtU1EyWka?e=view&authuser=0&nonce=gcrocepgbb17m&user=03522360960922298374&hash=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-content: center;
        display: flex;
        margin: 60px;
        font-weight: bold;
        cursor: pointer;
        transition: .5s ease-in-out;
}
input{
        width:  60%;
        height: 20px;
        background:  #e0dede;
        justify-content: center;
        display: flex;
        margin: 20px auto;
        padding: 10px;
        border: none;
        outline: none;
        border-radius: 5px;
}
button{
        width: 60%;
```

```
        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 searchFunct():
    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):
    jsondata = {}
    jsondata["userName"] = str(userName)
    jsondata["userEmail"] = str(userEmail)
    jsondata["userPassword"] = str(userPassword)

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


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-33625-1660224672

Project Demo Link:
https://drive.google.com/file/d/1ayJysndg34heYZb8CDNcZmk1HHFowSWJ/view?usp=share_link