

# **NEWS TRACKER APPLICATION**

## **USING CLOUD**

*A Project Report submitted in Partial fulfilment of 7<sup>th</sup> Semester in degree of*

## **BACHELOR OF ENGINEERING**

**IN**

## **COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*

Team ID: PNT2022TMID30954

ARUN S	620819104015
ANISHKUMAR R	620819104010
ANMOL SINGH R	620819104011
HARIHARAN S	620819104031



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**GNANAMANI COLLEGE OF TECHNOLOGY**  
**NAMAKKAL-637 018**

ANNA UNIVERSITY: CHENNAI 600 025

**NOV-20**



**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “**NEWS TRACKER APPLICATION**” is the Bonafide work done by **ARUN S (620819104015), ANISHKUMAR R(620819104010), ANMOL SINGH R(620819104011), HARIHARAN S(620819104031)**, for **IBM NALAYATHIRAN** in **VII Semester of B.E., degree course in Computer Science and Engineering** branch during the Academic year of 2022-2023.

**Staff -In charge**

**Prof. R.KRISHNAKUMAR M.E.,**

**Evaluator**

**Prof G.SIVAKUMAR M.E.,**

**HEAD OF THE DEPARTMENT**

**Dr .R.UMAMAHESWARI M.E, Ph.D.,**

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**ARUN S**

**ANISHKUMAR R**

**ANMOL SINGH R**

**HARIHARAN S**

# ABSTRACT

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

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# INTRODUCTION

Mobile app ecosystems are transforming patterns of news consumption. Until quite recently, reading the news was a niche use for smartphones, mostly for when users were 'on the go'; now however, two in every three users of mobile devices in the US regularly access news and as many as one in five read in-depth news articles daily; a similar picture is found in the U K. This growth in mobile news access continues the migration of news consumers to the Internet.

## 1.1 PROJECT OVERVIEW:

As news is increasingly accessed on smartphones and tablets, the need for personalizing news app interactions is apparent. We report a series of three studies addressing key issues in the development of adaptive news app interfaces. We first surveyed users' news reading preferences and behavior's; analysis revealed three primary types of reader. We then 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 able to reliably recognize a user according type. Finally, we evaluated alternative, adaptive user interfaces for each reader type. The evaluation demonstrates the differential benefit of the adaptation for different users of the news app.

## 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

### 2.1 References:

Like articles, websites, blogs.

<https://www.researchgate.net/>.

<https://techvidvan.com/tutorials/android-news-app-project-source-code/>

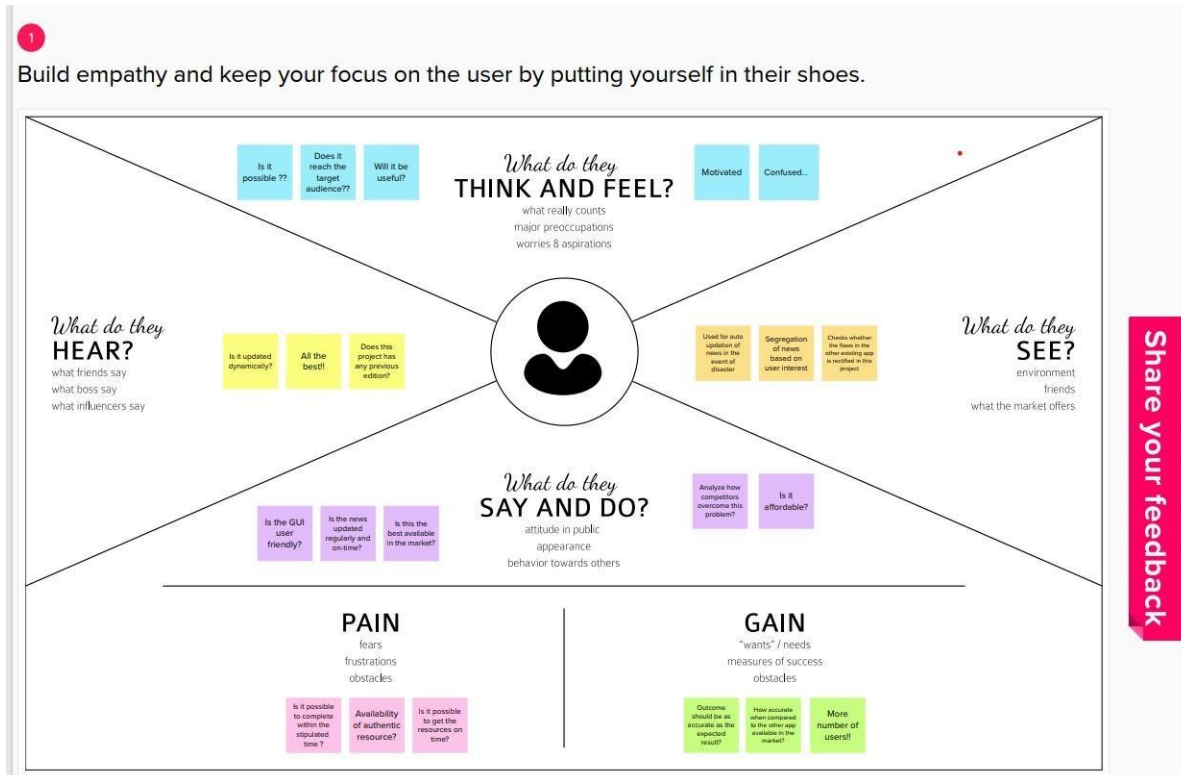
<https://www.ripublication.com/>

## 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.

## 3.IDEATION & PROPOSED SOLUTION:


### 3.1. Empathy Map Canvas:



## 3.2. Ideation & Brainstorming

### Step-1: Team Gathering, Collaboration and Select the Problem Statement

Template



## Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

🕒 10 minutes to prepare

🕒 1 hour to collaborate

👤 2-8 people recommended

➔

**Before you collaborate**

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕒 10 minutes

A

**Team gathering**

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B

**Set the goal**

Think about the problem you'll be focusing on solving in the brainstorming session.

C

**Learn how to use the facilitation tools**

Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) ➔

1

**Define your problem statement**

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

🕒 5 minutes

PROBLEM

How might we (your problem statement)?

Key rules of brainstorming

To run a smooth and productive session

🗣️ Stay in topic

🧠 Encourage wild ideas

⏸️ Defer judgment

👂 Listen to others

🗣️ Go for volume

👁️ If possible, be visual

### Step-2: Brainstorm, Idea Listing and Grouping

#### ARUN



#### ANISHKUMAR



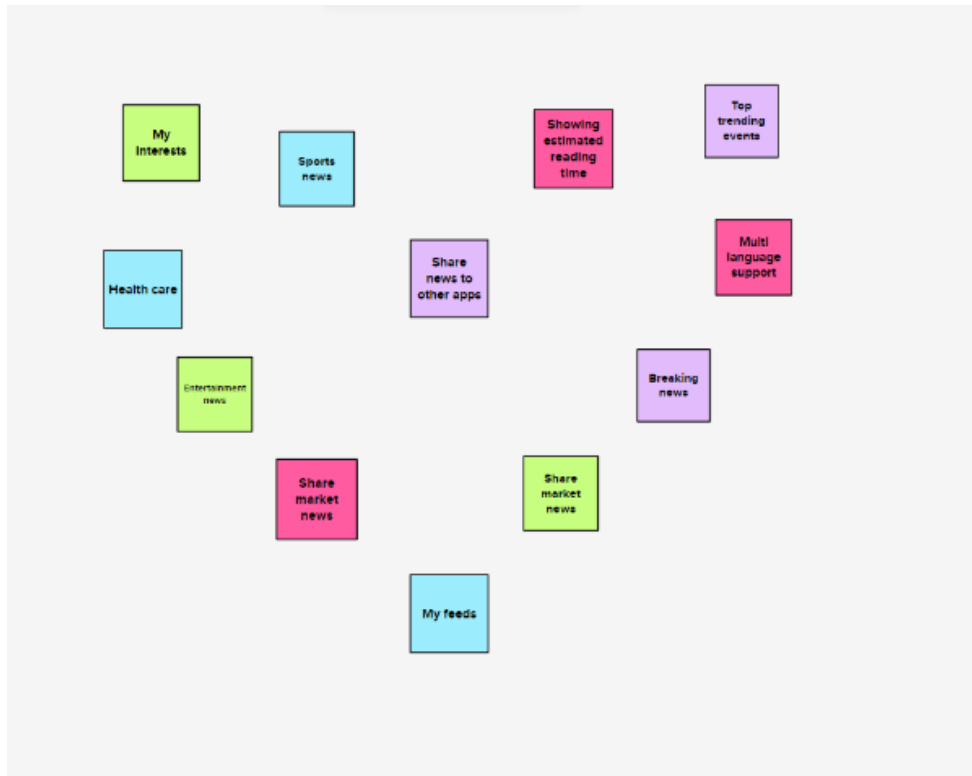
#### ANMOL SINGH



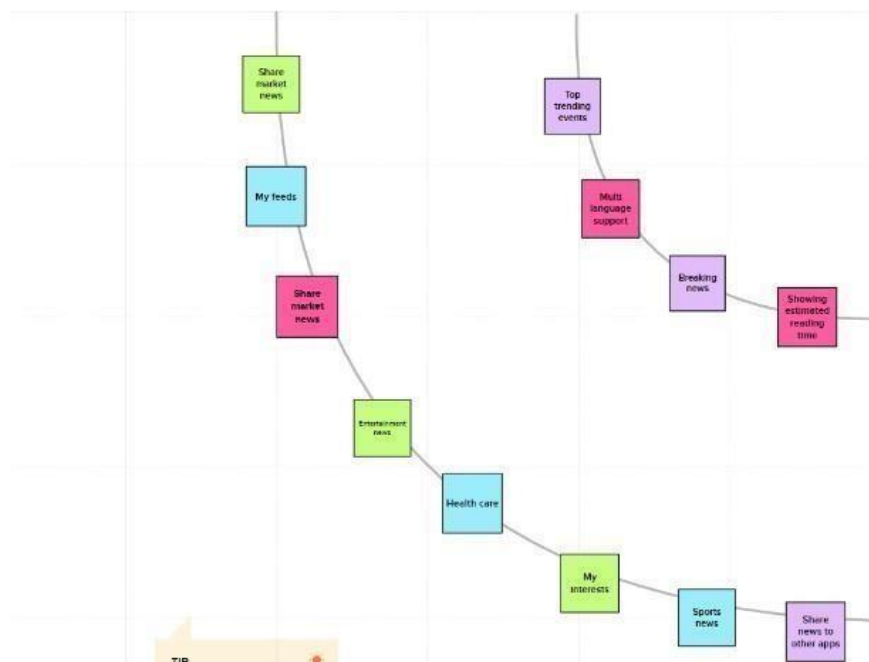
#### HARIHARAN







### Step-3: Idea Prioritization



### 3.3 Proposed Solution

S.NO	PARAMETER	DESCRIPTION
1.	Problem Statement (Problem to be solved)	The user needs a way to get relevant news based on his choices so that the user does not have to spend a lot of time on searching news. News is filled with ads and spams annoys and irritates the user and affects the user experience.
2.	Idea solution/Description	A cloud-based web application which enables the user to get the news as per their interests, choices and location. News will be filtered as per the user's wish and it will be displayed to the user
3.	Novelty/Uniqueness	This news tracker has features that enables the user to view news about crimes and health updates happening in and around their location. This will be given the most priority as it is important to every person to be aware of recent happenings. The tracker app does not have annoying ads.

4.	Social Impact/Customer satisfaction	The user will not have to spend a lot of time in searching for the relevant news. The customer will be finally able to view news without ads Since we are using the News API, the news will be reliable and accurate. The customer can be aware of recent happenings.
5.	Business model/ Revenue model	The model will generate revenue through offering few premium features to user. The features include seeing stories from the user's favorite publishers, regional news, few regional languages. The default language will be English.
6.	Scalability of the solution	Since the web application is deployed on IBM cloud, it can handle multiple users at a time. The user will go through a seamless experience and it enables them to view the news according to their interests and choices. Users from all age category can use the application and the news can also be filtered according to their age

### 3.4 PROBLEM SOLUTION FIT:

DefineCS fit into CC	<b>1.CUSTOMER SEGMENT(S)</b>  Hackers,CCTNS(crime and criminal tracking network and system),commercial and scientific purposes,media monitoring.	<b>6.CUSTOMER CONSTRAINTS</b>  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.	<b>5.AVAILABLE SOLUTIONS</b>  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.	ExploreAS differentiate
	<b>2.JOBS-TO-BE-DONE / PROBLEMS</b>  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.	<b>9.PROBLEM ROOT CAUSE</b>  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.	<b>7.BEHAVIOUR</b>  User experience,content performance popularity sharing the news, conversion rate optimization ,checkout process website accesibility,livechat and first and foremost,user data is super important.	
Focus onJ&P lapintoBE,understandRC	<b>3.TRIGGERS</b> 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.	<b>10. YOUR SOLUTION</b>  Realtime monitoring ,working condition is ensured and restricted permission from entering highly secured areas.	<b>8.CHANNELS of BEHAVIOURS</b> 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.	Focus onJ&P lapintoBE,understandRC
	<b>4.EMOTIONS: BEFORE /AFTER</b>  Fearness,statistaction,anger and two sentiments(positive and negative)using to extraction.			
IdentifystrongTR&EM				Extractonline&OfflineChoiceBE

## 4 REQUIREMENT ANALYSIS

### 4.1 Functional requirement

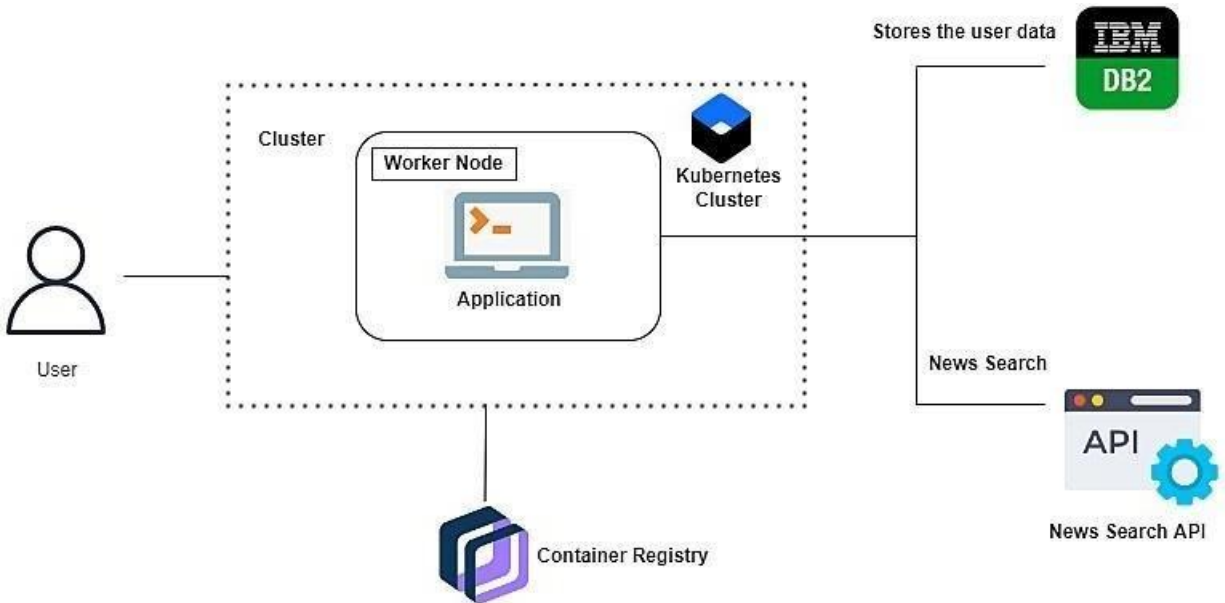
FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Installation	User can install the app from Google play store or from the website
FR-2	User Registration	Registration through Form Registration through Gmail
FR-3	User Confirmation	Confirmation via Email
FR-4	User Login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

### 5.1 Data Flow Diagrams

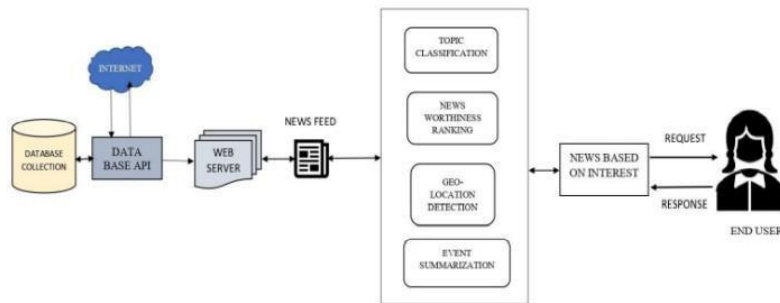


### 5.2. Solution & Technical Architecture

Solution architecture is a complex process – with many subprocesses – that bridges the gap between Business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements to the project.
- Provide specifications according to which the solution is defined, managed, and delivered to the customers.

### Example - Solution Architecture Diagram:



### NEWS TRACKER APPLICATION

## 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.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Installation	USN-1	As a user, I installed the app for day-to-day update and feeds.	My app will be Install done home screen		
Customer (Mobile user)		USN-2	As a user, I can register for the application by entering my email, password, confirming my password and Phone number.	I can access my account / dashboard	High	Sprint -1
		USN-3	As a user, I will receive conformation email once I have registered for the	I can receive conformation email &	High	Sprint -1
		USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with Gmail account Login	Medium	Sprint -1
	Login	USN-6	As a user, I can log into the application by entering email & password	I can login to the official page	High	Sprint -1
	Dashboard	USN-7	Day to day news, feeds, categories, tech news and other updates	I can see all the news which I wanted	High	Sprint -1
Customer (Web user)	Browsing	<u>USN-8</u>	Enter the web site on the browser	I can even login through browser	Medium	Sprint -1



## 6PROJECT PLANNING & SCHEDULING

### 6.1. Sprint Planning & Estimation:

TITLE	DESCRIPTION	DATE
Literature Survey and Information Gathering	Literature survey on the selected project & gathering information by referring the technical papers, research publications, etc.	19 October 2022
Prepare Empathy Map	Prepare Empathy Map Canvas to capture the user pains & gains, prepare the list of problem statements.	19 October 2022
Ideation Brain Storming	List by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility and importance.	19 October 2022
Proposed Solution	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.	19 October 2022

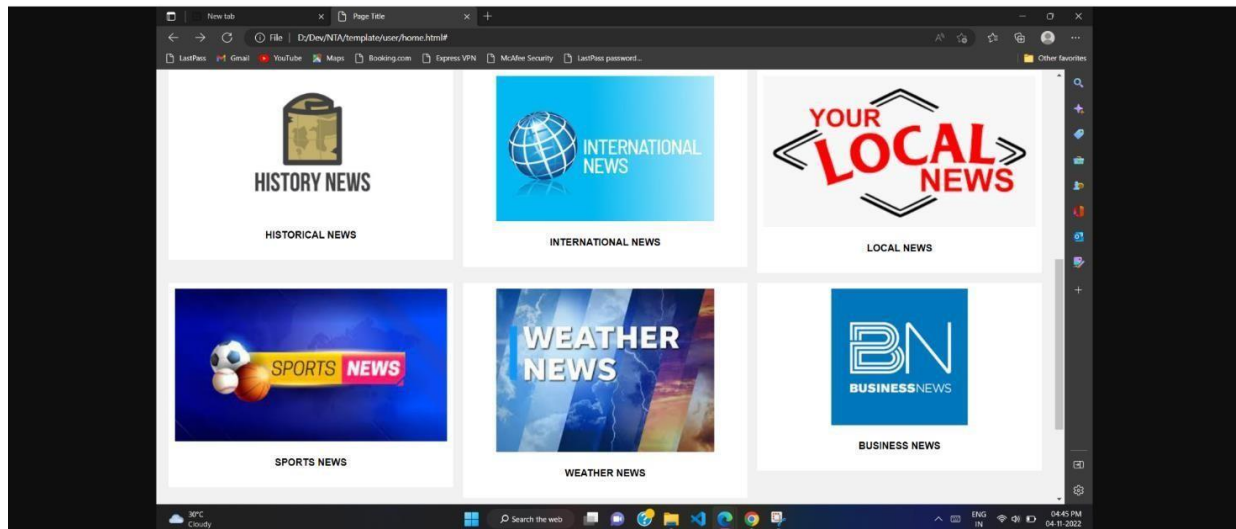
Problem Solution Fit	Prepare problem solution fit document.	19 October 2022
Solution Architecture	Prepare solution architecture document.	19 October 2022
Customer Survey	Prepare the customer journey maps, understand the user interactions and experiences with the application.	19 October 2022
Solution Requirement	Prepare the functional requirement document.	19 October 2022
Data Flow Diagram	Draw the data flow diagrams and submit for review.	19 October 2022
Technology Architecture	Prepare the technology architecture diagram.	19 October 2022
Prepare Milestone & Activity List	Prepare the milestones and activity list of the project.	29 October 2022
Project Development Delivery of Sprint-1,2,3& 4	Develop and submit the developed code by testing it.	In progress.....

## 6.2 Sprint Delivery Schedule

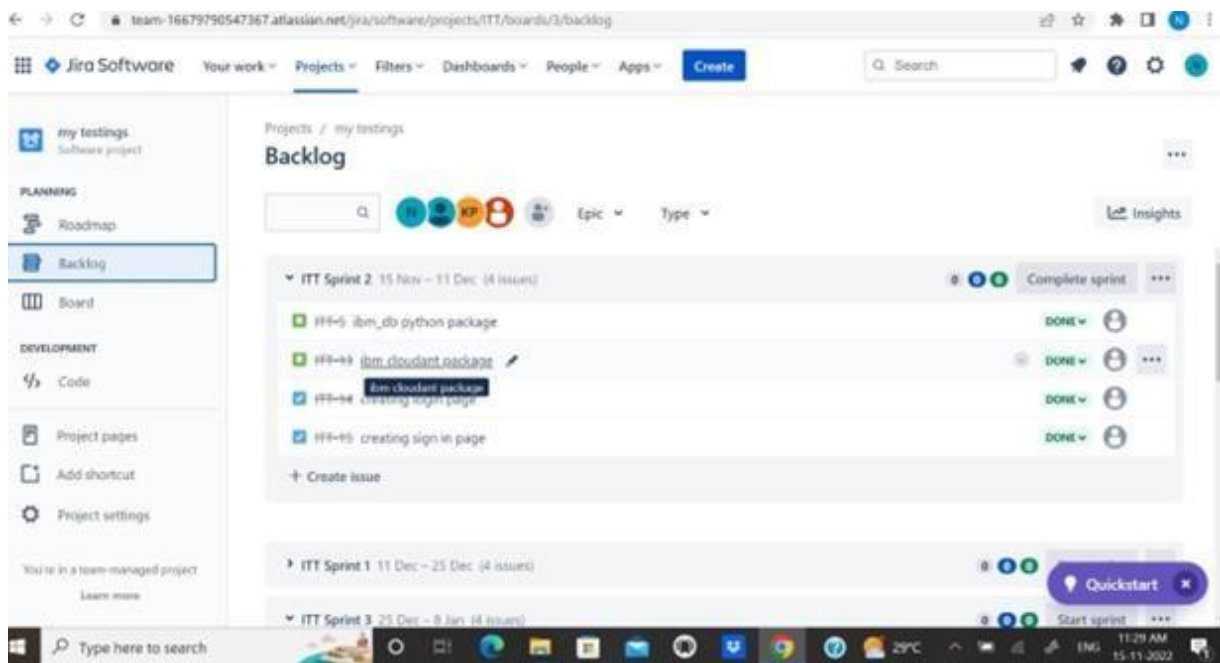
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	9 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-2	20	6 Days	11 Nov 2022	13 Nov 2022	20	13 Nov 2022
Sprint-3	20	6 Days	13 Nov 2022	15 Nov 2022	20	15 Nov 2022
Sprint-4	20	6 Days	15 Nov 2022	19 Nov 2022	20	19 Nov 2022

## 6.2 Reports from JIRA

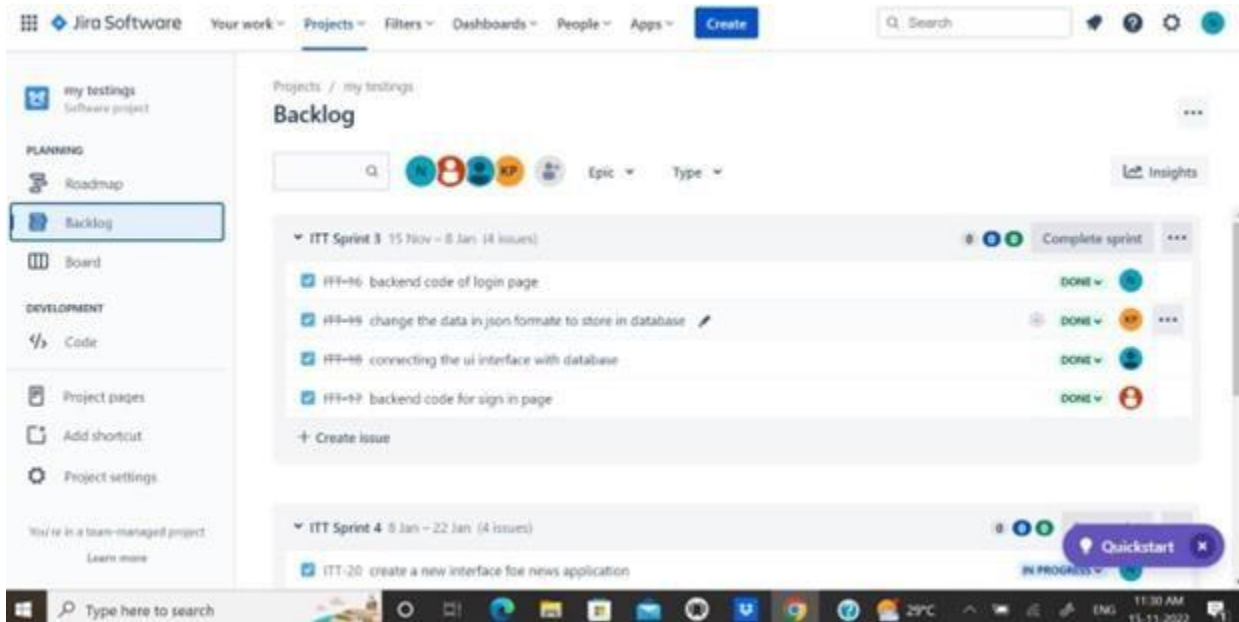
### Sprint-1



## Sprint-2



## Sprint-3

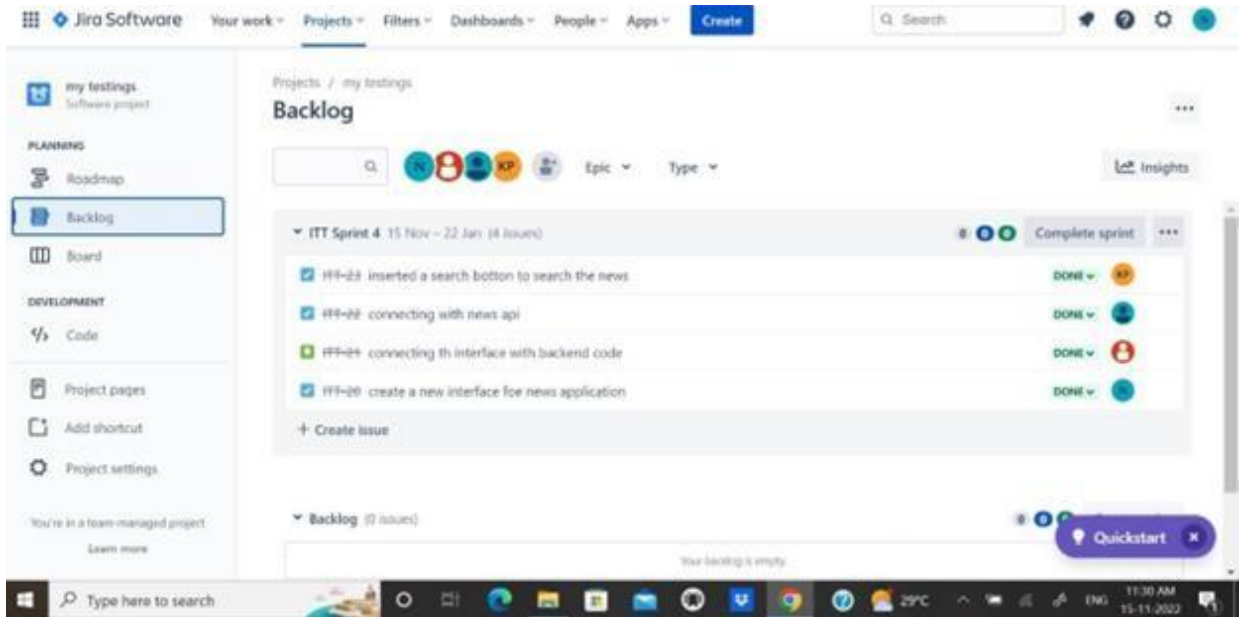


The screenshot shows the Jira Software interface for a project named "my testings". The "Backlog" tab is selected in the left sidebar. The main view displays the "ITT Sprint 3" backlog, which is scheduled from 15 Nov to 8 Jan and contains 4 issues. All issues in this sprint are marked as "DONE".

Issue ID	Description	Status	Assignee
ITF-16	backend code of login page	DONE	Assignee 1
ITF-19	change the data in json format to store in database	DONE	Assignee 2
ITF-16	connecting the ui interface with database	DONE	Assignee 1
ITF-17	backend code for sign in page	DONE	Assignee 3

Below the sprint view, "ITT Sprint 4" is partially visible, starting on 8 Jan and containing 4 issues. The first issue, ITF-20, is "create a new interface for news application" and is currently in progress.

## Sprint-4



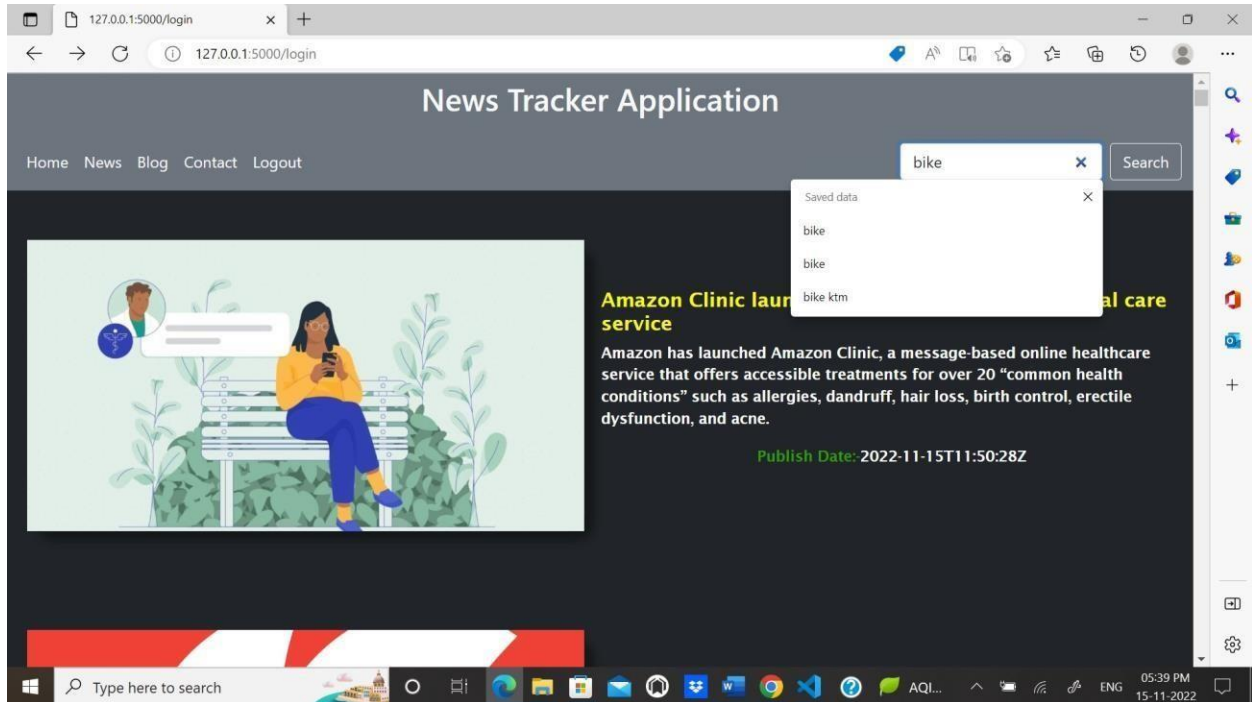
The screenshot shows the Jira Software interface for the same project "my testings". The "Backlog" tab is still selected. The main view displays the "ITT Sprint 4" backlog, scheduled from 15 Nov to 22 Jan, containing 4 issues. All issues in this sprint are marked as "DONE".

Issue ID	Description	Status	Assignee
ITF-23	inserted a search button to search the news	DONE	Assignee 2
ITF-24	connecting with news api	DONE	Assignee 1
ITF-25	connecting th interface with backend code	DONE	Assignee 3
ITF-26	create a new interface for news application	DONE	Assignee 1

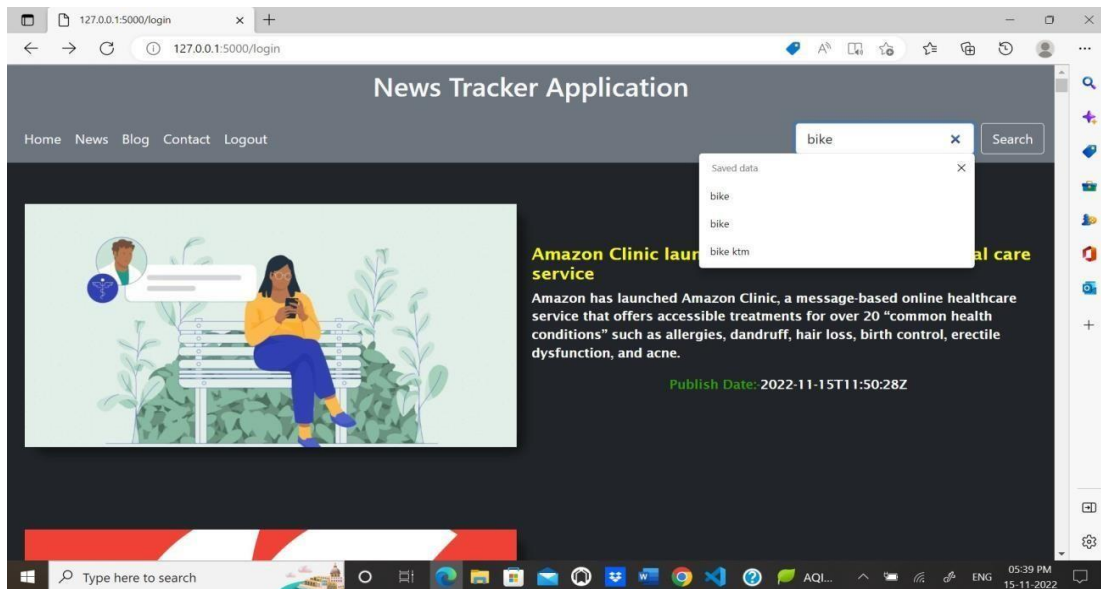
Below the sprint view, a new "Backlog" section is visible, currently empty (0 issues).

## 5 CODING & SOLUTIONING

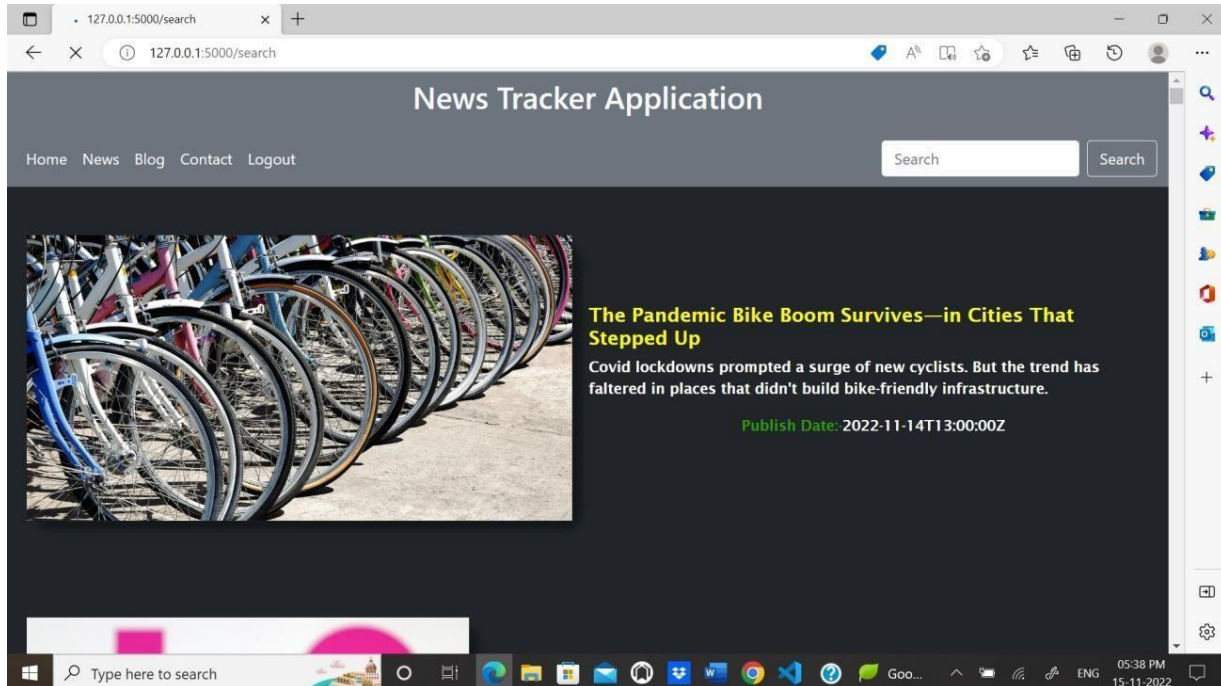
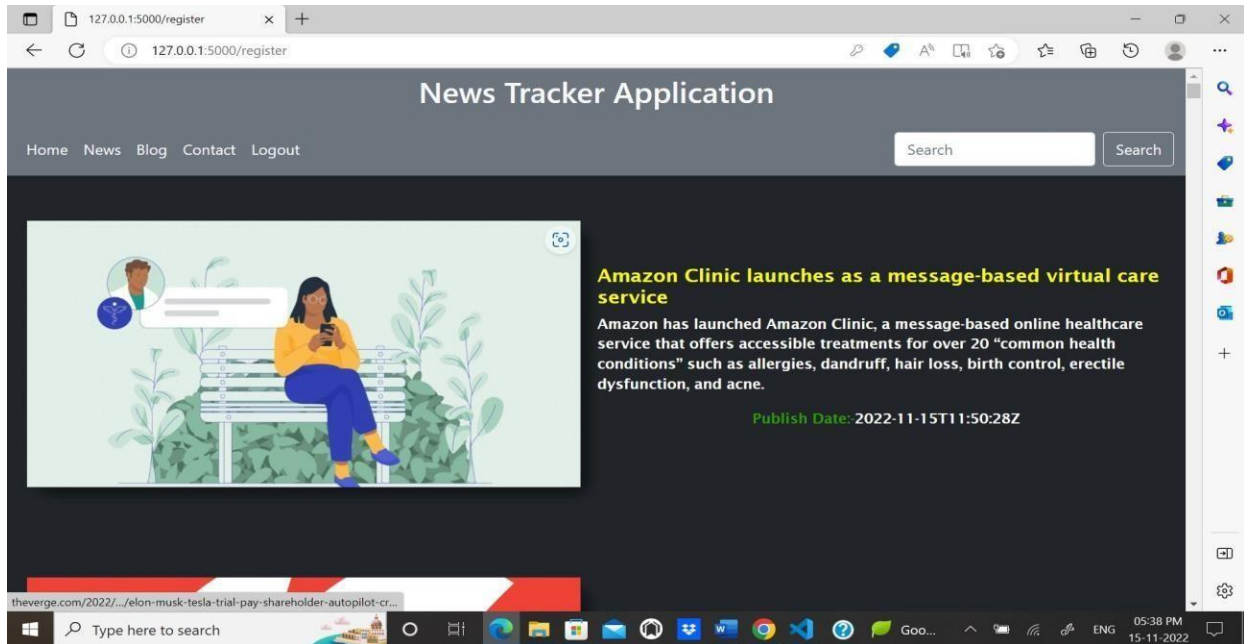
### 5.1 Feature 1:



### 5.2 Feature 2:



## 5.3 Database Schema:



## 8 TESTING

### 8.1. User Test case:

User Test case

DATE	18 NOV 2022
TEAM ID	
PROJECT	NEWS TRACKER APPLICATION

Test case	Feature	Components	Test scenario	Expected result	Actual result	Status	Comment	Bug
Sign in	Functional	Login page	Verify user can see sign in option	Can visible	Yes visible	Pass	Successful	-
Sign up	Functional	Login page	Verify user can sign up	Can visible	Yes visible	Pass	Successful	-
Forgot news	Functional	Login page	Verify user can see forgot password	Option is available	Option is available	Pass	Successful	-
Fetch news	Functional	Home page	Verify user can see the news	News will be feed to the app	404 error	Fail	Un Successful	-
Type of news available in the	Functional	Fetch news	Verify types of news in the app	Economy, sports, weather	Hover buttons will be shown.	pass	Successful	-



## 8.2 User Acceptance Testing:

Date	18 NOV 2022
project	NEWS TRACKER APPLICATION

### 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

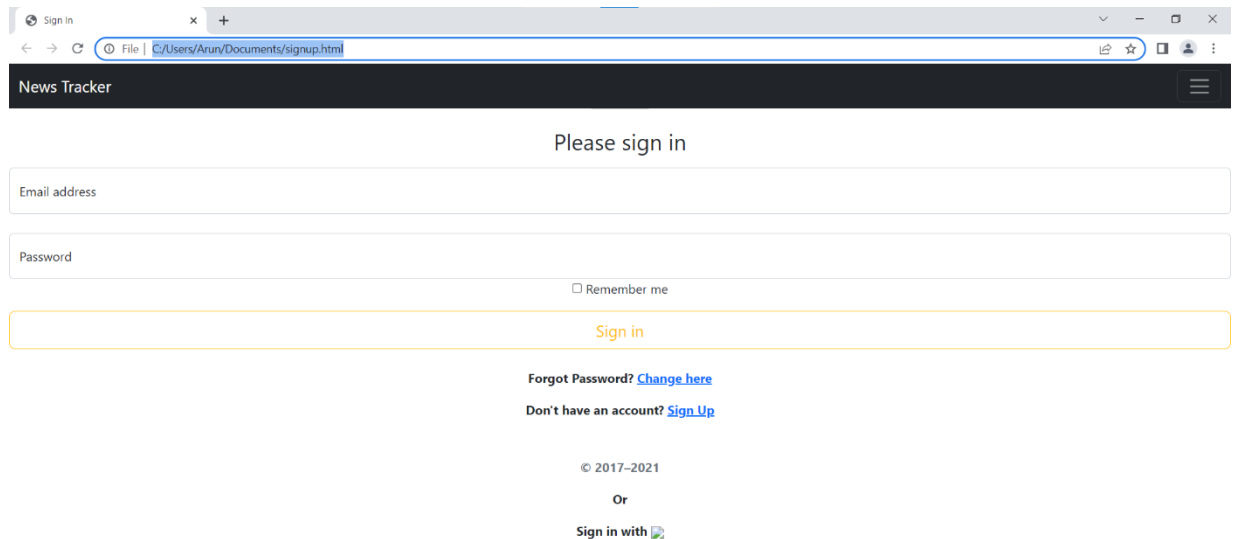
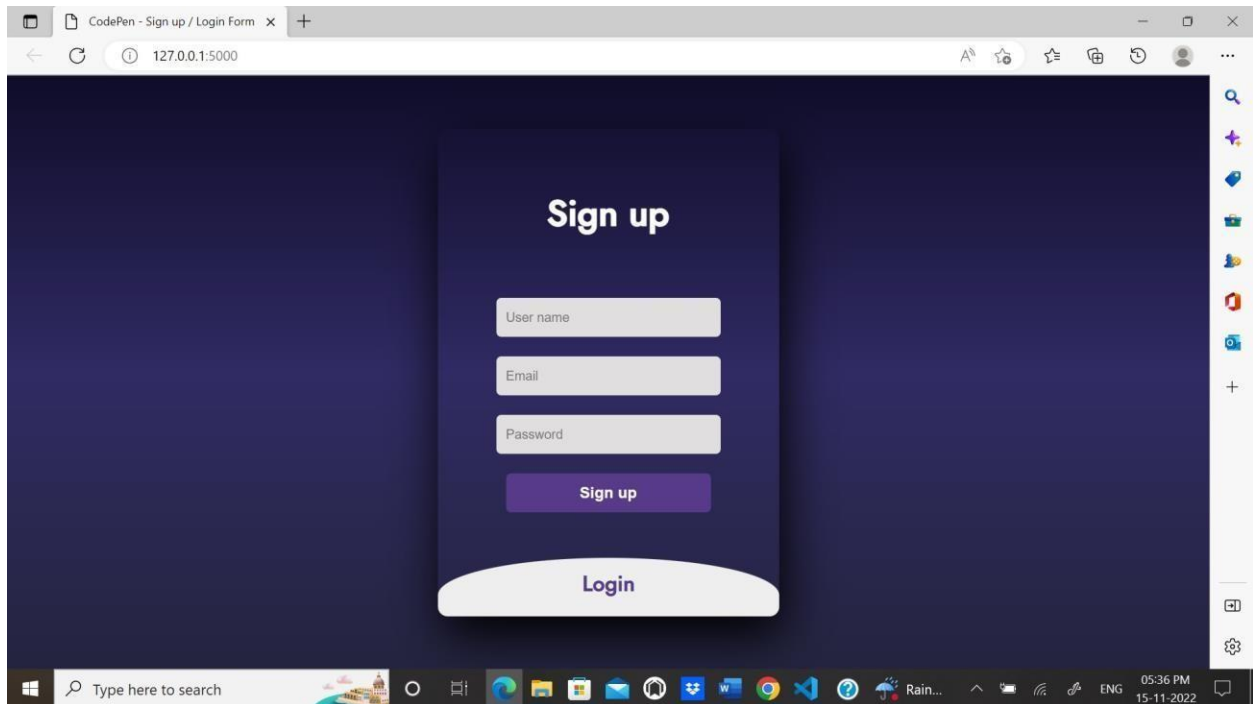
### 3. Test Case Analysis

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

## 9 RESULTS

### 9.1. Performance Metrics:



Sign In

File | C:/Users/Arun/Documents/signup.html

News Tracker

Please sign in

Email address  
arunsiddhapachetty2002@gmail.com

Password  
\*\*\*\*\*

☒ Remember me

Sign in

Forgot Password? [Change here](#)

Don't have an account? [Sign Up](#)

© 2017-2021

Or

Sign in with

about.html

File | C:/Users/Arun/Documents/about.html


## About Us Page

Some text about who we are and what we do.


Resize the browser window to see that this page is responsive by the way.

[Home](#)


# About us




Our company




News




Careers




Investors



Events



Sulzer Technical Review



Sulzer stories

## **10. ADVANTAGES & DISADVANTAGES:**

### **Advantages:**

- In this app news is already categorization.
- Easily accessible and portable.
- Better user experience.
- Apps help you convert visitors to loyal readers.
- Minute by minute updates of news.
- This app helps you to get local news updates instantly.
- To explore and discover trending news and topics.
- News feeds for you based on your interest.

### **Disadvantages:**

- Some apps demand premium subscription from user.
- Occurrence of Advertisement disturb the user.
- Sometimes the news gives brief information.
- Prevalence of fake and uncertain news can confuse the user lead to misconception.
- Fake news may mislead the readers.

## **11. CONCLUSION:**

We explored the feasibility of recognizing patterns of news reading interactions and evaluated three adaptive interface designs for different news reader types. We show that from their interaction log, a specific user can be recognized as one of three kinds. The reader types emerging from the online survey are well defined and distinct. The evaluation of the three variant interfaces suggests that different newsreader types need different user interfaces. We have demonstrated a method for monitoring users' newsreading behavior and inferring news reader type from it. In the future we will further explore the design of adaptive interfaces, in order to be in a position to demonstrate a complete adaptive mobile news framework providing automatic personalization of news apps.

## 12. FUTURE SCOPE

In the future we will further explore the design of adaptive interfaces, in order to be in a position to demonstrate a complete adaptive mobile news framework providing automatic personalization of news apps.

## 13. APPENDIX

### 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 %}{% end block %}</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-
bstarget="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
arialabel="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>
    <divclass = "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/azprG1Anm3QDgplJlIm9Nao0Yz1ztcQTWfSpd3yD65VohhpUuCOmLASjC"
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">
                </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 1.634v3.865h2.401V9.25c0.22-1.184-
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>SVS 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 1.634v3.865h2.401V9.25c0.22-1.184-
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>Karuppiyah AL</td>
<td>

<a href="https://www.linkedin.com/in/karuppiyah-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 1.634v3.865h2.401V9.25c0.22-1.184-
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-
IQsoLXI5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"
integrity="sha384cVKI PhGWiC2Al4u+LWgxfKTRlcfu0JT xR+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/fo0picsp1nhiucmc  
 0l2  
 5s29respgr4j/1631524275000/03522360960922298374/03522360960922298374/15x0jhdpEpnNIydS4  
 r  
 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{ 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@50ab9a31-993d4eaf-
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):
    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-4802-1665640464>