Project Name	**News Tracker Application**
Domain	**Cloud Application Development**
Team ID	**PNT2022TMID19424**

Team Leader	**Sujitha.K**
Team Member 1	**Rishi.P**
Team Member 2	**Sri Nandhaan.B.A**
Team Member 3	**Santhiya.M**

1.INTRODUCTION

Project Overview

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

Purpose :

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every minute and distributed via television, radio and the Internet, so the news updated the next morning is already outdated.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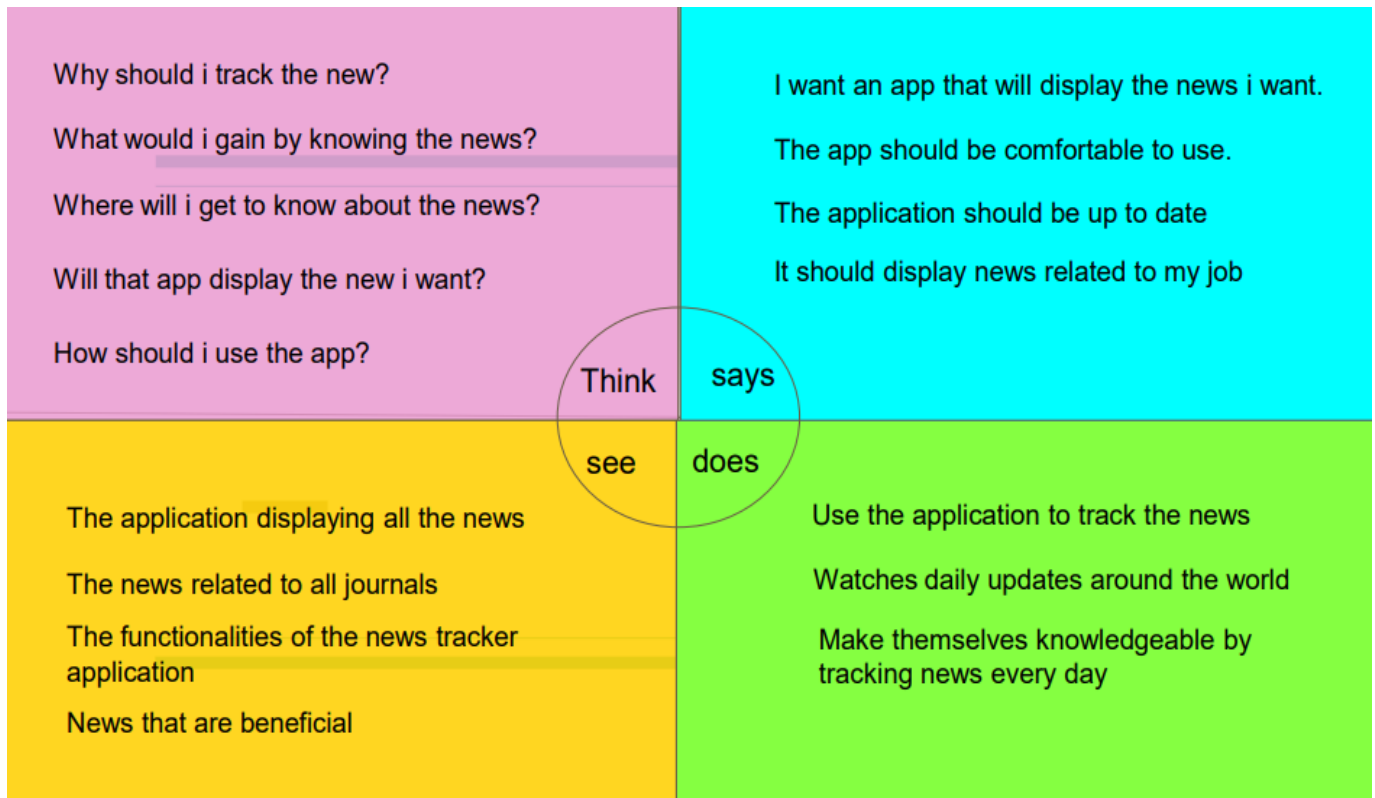
2.LITERATURE SURVEY

References

1.https://flask.palletsprojects.com/en/2.1.x/tutorial/

2.https://www.ibm.com/docs/en/db2-for-zos/11?topic=zos-db2-basics-tutorial-working-db2-interactively

3.https://www.ibm.com/in-en/products/watson-assistant/docs-resources

4.https://www.ibm.com/blogs/cloud-archive/2019/03/video-containerization-explained/

5.https://developer.ibm.com/components/cloud-foundry/tutorials/

Problem Statement Definition

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.

3.IDEATION & PROPOSED SOLUTION

Empathy Map Canvas

Why should i track the new?

What would i gain by knowing the news?

Where will i get to know about the news?

Will that app display the new i want?

How should i use the app?

Think | says
see | does

I want an app that will display the news i want.

The app should be comfortable to use.

The application should be up to date

It should display news related to my job

The application displaying all the news

The news related to all journals

The functionalities of the news tracker application

News that are beneficial

Use the application to track the news

Watches daily updates around the world

Make themselves knowledgeable by tracking news every day

Ideation & Brainstorming

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

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

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

Learn how to use the facilitation tools
Use the Facilitation Superpowers to run a happy and productive session.

Open article →

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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 STATEMENT**
> User needs a way to get a interested marketing in a quick pace of the day. So that we give relevant news where the user more interested on that day and save there time.

Key rules of brainstorming
To run an smooth and productive session

- Stay or topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

⏱ 10 minutes

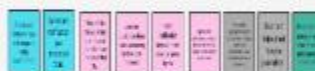| Person 1	Person 2	Person 3	Person 4

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

⏱ 20 minutes

User interested topics

User customization

user interface and haptics

Time saving

④

Prioritize

Your team should all be on the same page about what's important moving
forward. Place your ideas on this grid to determine which ideas are important and
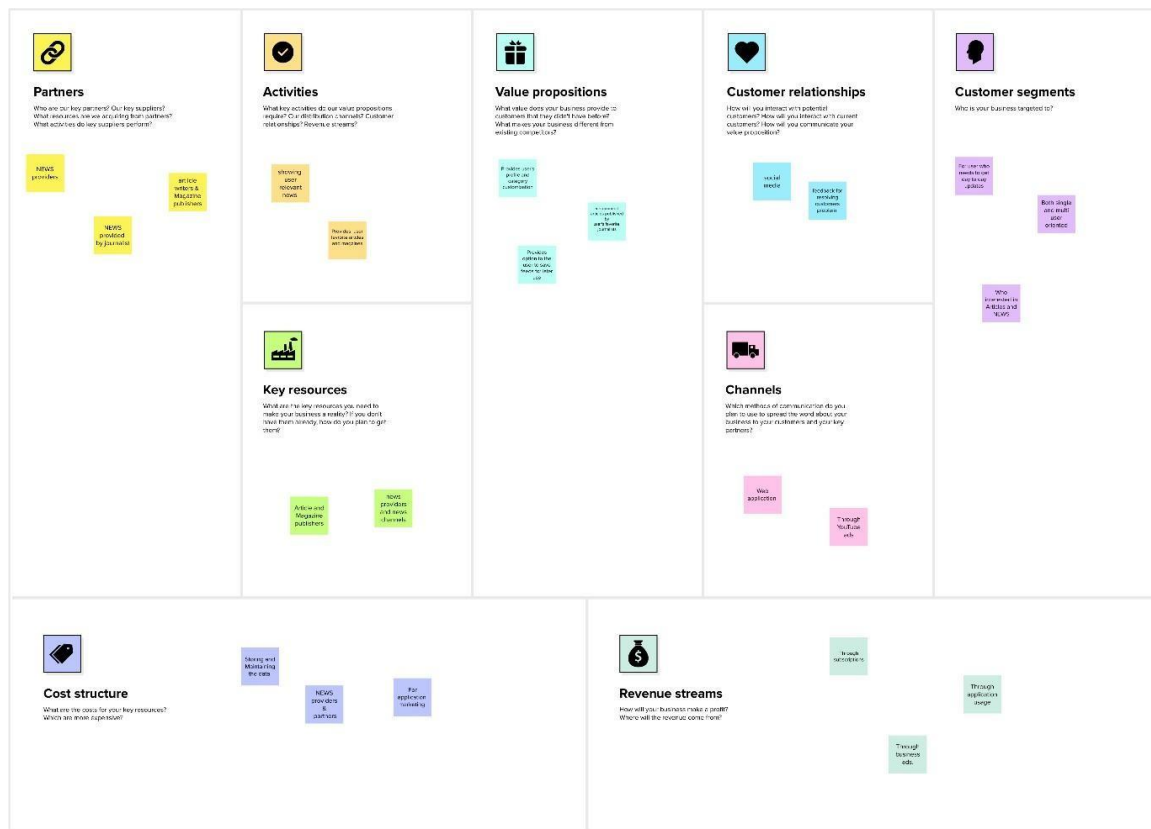which are feasible.

⏱ 20 minutes

Importance

If each of these
tasks could get
done without any
difficulty or cost,
which would have
the most positive
impact?

Feasibility

Regardless of their importance, which tasks are more
feasible than others? (Cost, time, effort, complexity, etc.)

Proposed Solution

S.NO	Parameter	Description
1	Problem Statement (Problem to be solved)	User needs a way to get a interested marketing in a quick peek of the day. So that we give relevant news where the user more interested on that day and save their time
2	Idea / Solution description	We provide relevant news where the user moreinterested on that day.

3	Novelty / Uniqueness	Saving and downloading the interested articles.
4	Social Impact / Customer Satisfaction	When news feed are customized/personalized tothe user, the time spend to learn about the day will be minimized and will be completely productive.

5	Business Model (Revenue Model)	Shown below.
6	Scalability of the Solution	The first step is to predict user interests and collect relevant data for user personalization. The system provides filter option and sorting the user relevant news and saves the time.

Partners
Who are our key partners? Our key suppliers?
What resources are we acquiring from partners?
What activities do key suppliers perform?

- NEWS providers
- article writers & Magazine publishers
- NEWS provided by journalist

Activities
What key activities do our value propositions require? Our distribution channels? Customer relationships? Revenue streams?

- Showing user relevant news
- Provide user favorite or like and maintain

Value propositions
What value does your business provide to customers that they didn't have before? What makes your business different from existing competitors?

- If based on a profile and category customization
- Recommend one app based on particular channels
- Provide options to the user to sort, share or save use

Customer relationships
How will you interact with potential customers? How will you interact with current customers? How will you communicate your value proposition?

- social media
- feedback for resolving customers problem

Customer segments
Who is your business targeted to?

- For user who needs to sort our longer updates
- Both single and multi user oriented
- Who interested in Articles and NEWS

Key resources
What are the key resources you need to make your business a reality? If you don't have them already, how do you plan to get them?

- Article and Magazine publishers
- news providers and news channels

Channels
Which methods of communication do you plan to use to spread the word about your business to your customers and your key partners?

- Web application
- Through YouTube ads

Cost structure
What are the costs for your key resources? Which are more expensive?

- Storing and Maintaining the data
- NEWS providers & partners
- For application marketing

Revenue streams
How will your business make a profit? Where will the revenue come from?

- Through subscriptions
- Through application usage
- Through business ads

3. REQUIREMENT ANALYSIS

Functional requirement

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

Non-Functional requirements

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

4.PROJECT DESIGN

5.1Data Flow Diagrams
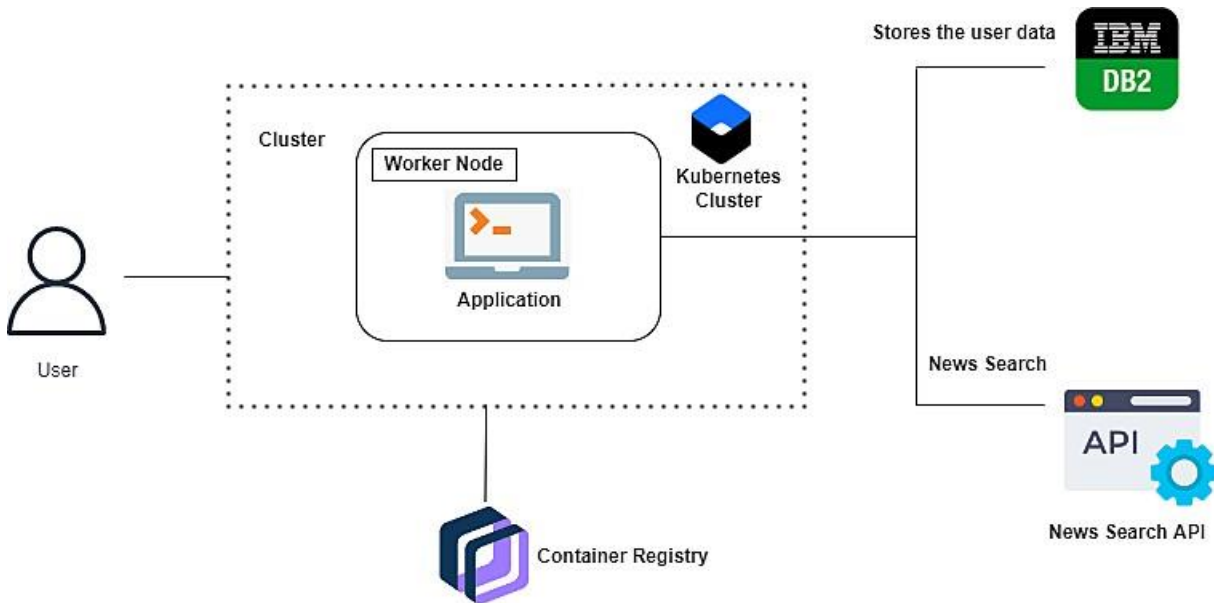
Solution & Technical Architecture

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

User Stories

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

5.PROJECT PLANNING & SCHEDULING

Sprint Planning & Estimation

Sprint	Functional Requirement (Epic)	User Story Numbe	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming Kowisck Srinivas my password.	2	High	Sujitha.K Rishi.P SriNandhaan.B.A Santhiya.M
Sprint-1		USN-2	s a user, I will receive confirmation email once I have registered for the application	1	High	Sujitha.K Rishi.P SriNandhaan.B.A Santhiya.M
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Sujitha.K Rishi.P SriNandhaan.B.A Santhiya.M
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Sujitha.K Rishi.P SriNandhaan.B.A Santhiya.M
Sprint=1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Sujitha.K Rishi.P SriNandhaan.B.A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Santhiya.M
Sprint-3	Dashboard	USN-6	As a user, I will able to see the login and profile details	2	Medium	Sujitha.K Rishi.P SriNandhaan.B.A Santhiya.M
Sprint-1	IBM cloud	USN-10	As a tracker, I collect all the NEWS from the cloud	1	Medium	Sujitha.K Rishi.P SriNandhaan.B.A Santhiya.M
Sprint-3	IBM cloudant	USN-11	As a database manager, I can collect all the user details and NEWS application details	2	Medium	Sujitha.K Rishi.P SriNandhaan.B.A Santhiya.M

Sprint Delivery Schedule

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

Reports from JIRA

Sprit-1

Sprint-2

Sprint-4

Backlog			
Board			
DEVELOPMENT			
Code			
Project pages			
Add shortcut			
Project settings			

> **ITT Sprint 4** 15 Nov – 22 Jan (4 issues)   0 0 0   Complete sprint   •••

☑ ITT-23 inserted a search botton to search the news   DONE ∨ KP

☑ ITT-22 connecting with news api   DONE ∨

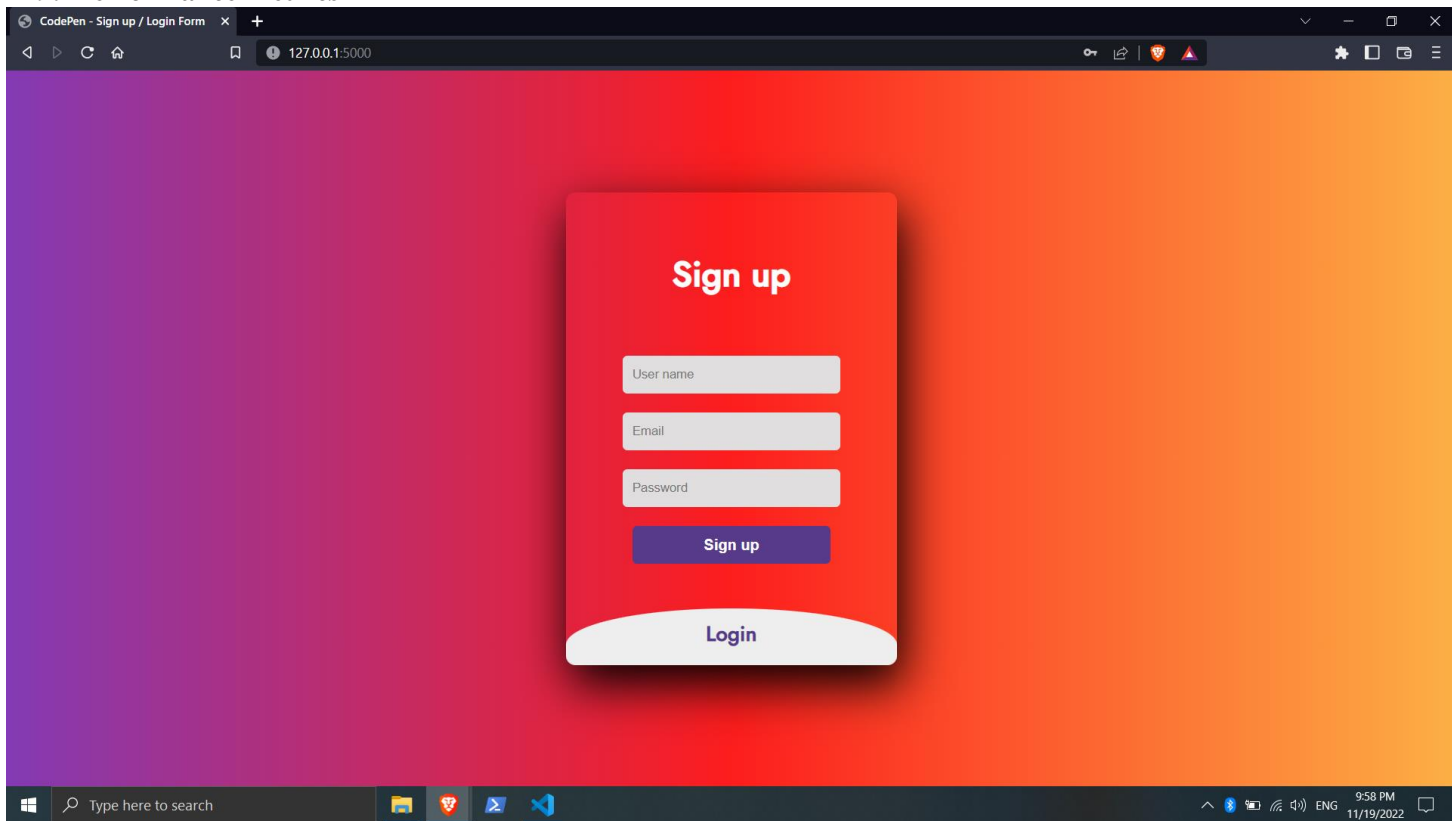☑ ITT-21 connecting th interface with backend code   DONE ∨

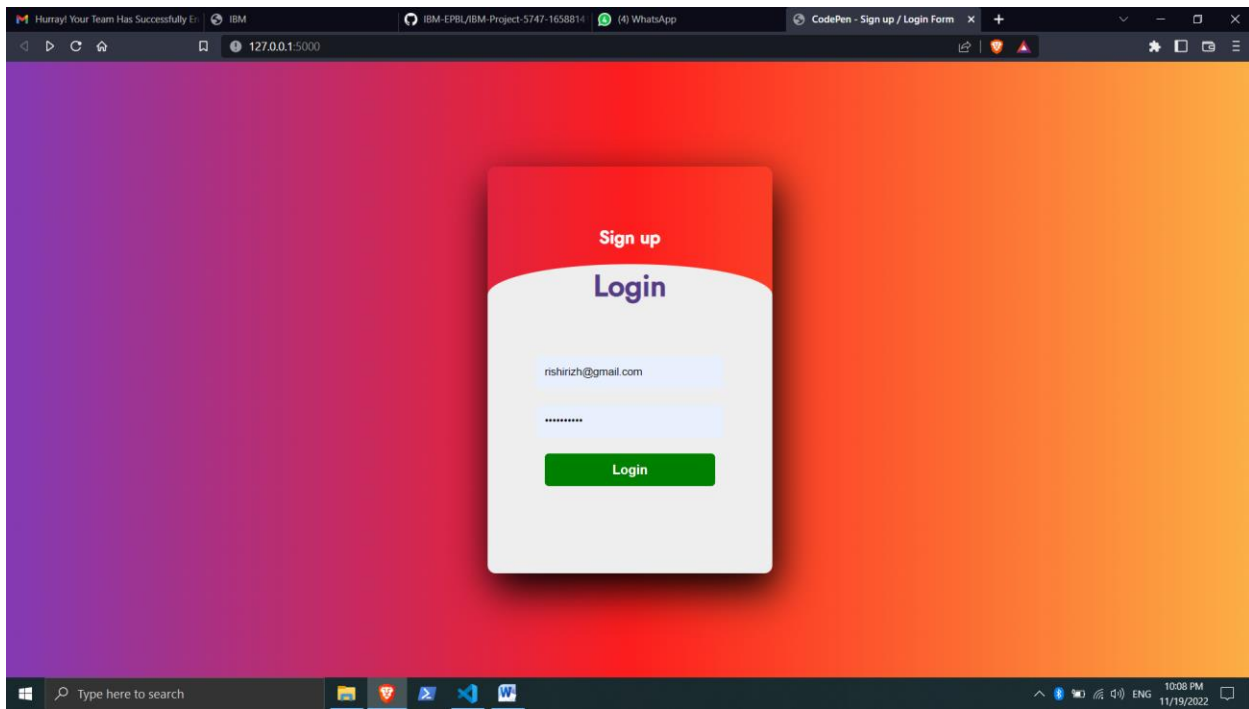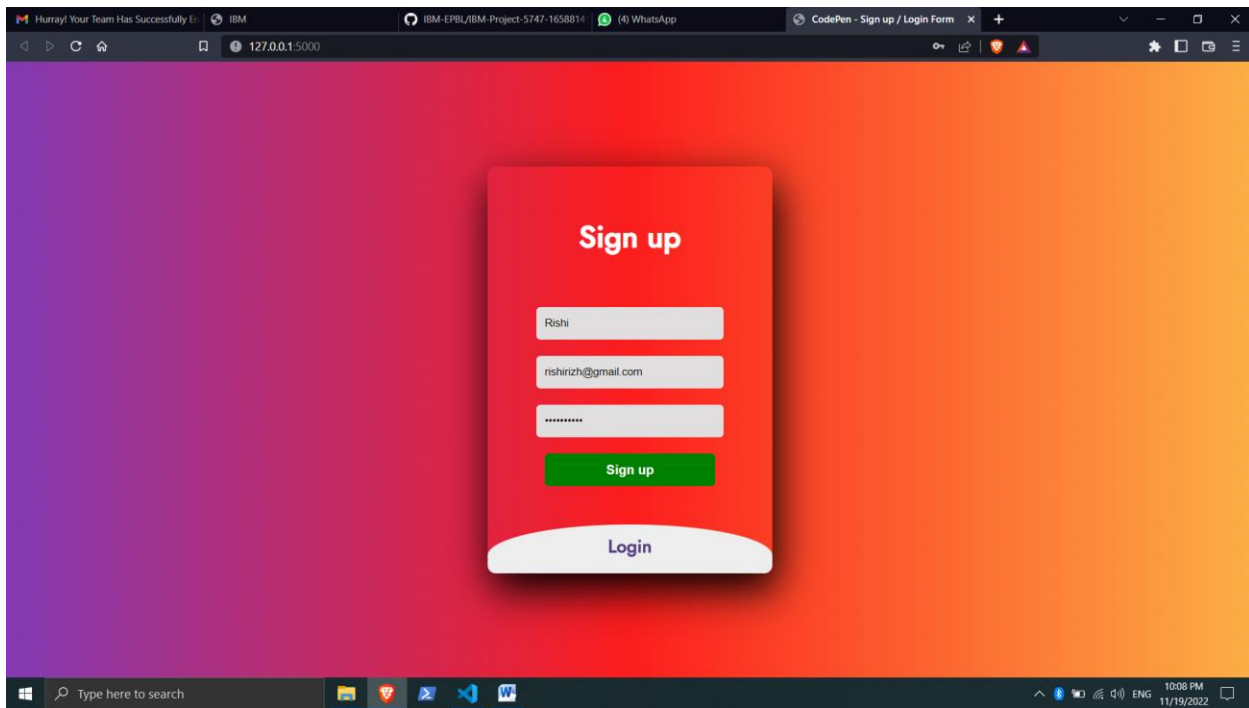☑ ITT-20 create a new interface foe news application   DONE ∨ N

➕ Create issue

6. CODING & SOLUTIONING

7.1 Feature 1

7. TESTING
User Acceptance Testing

Date	03-Nov-22
Team ID	PNT2022TMID20100
Project Name	News Tracker Application
Maximum Marks	4 marks

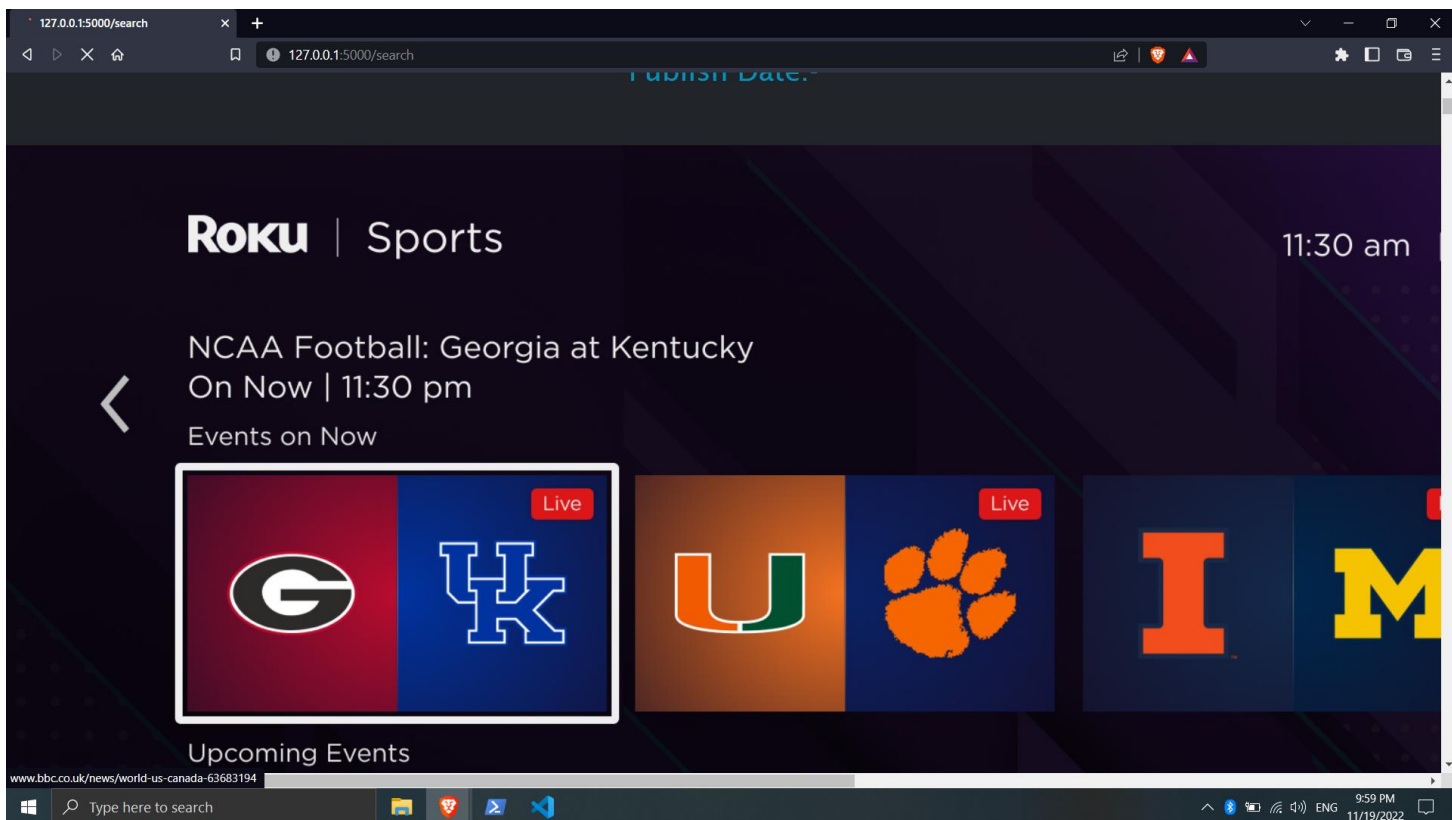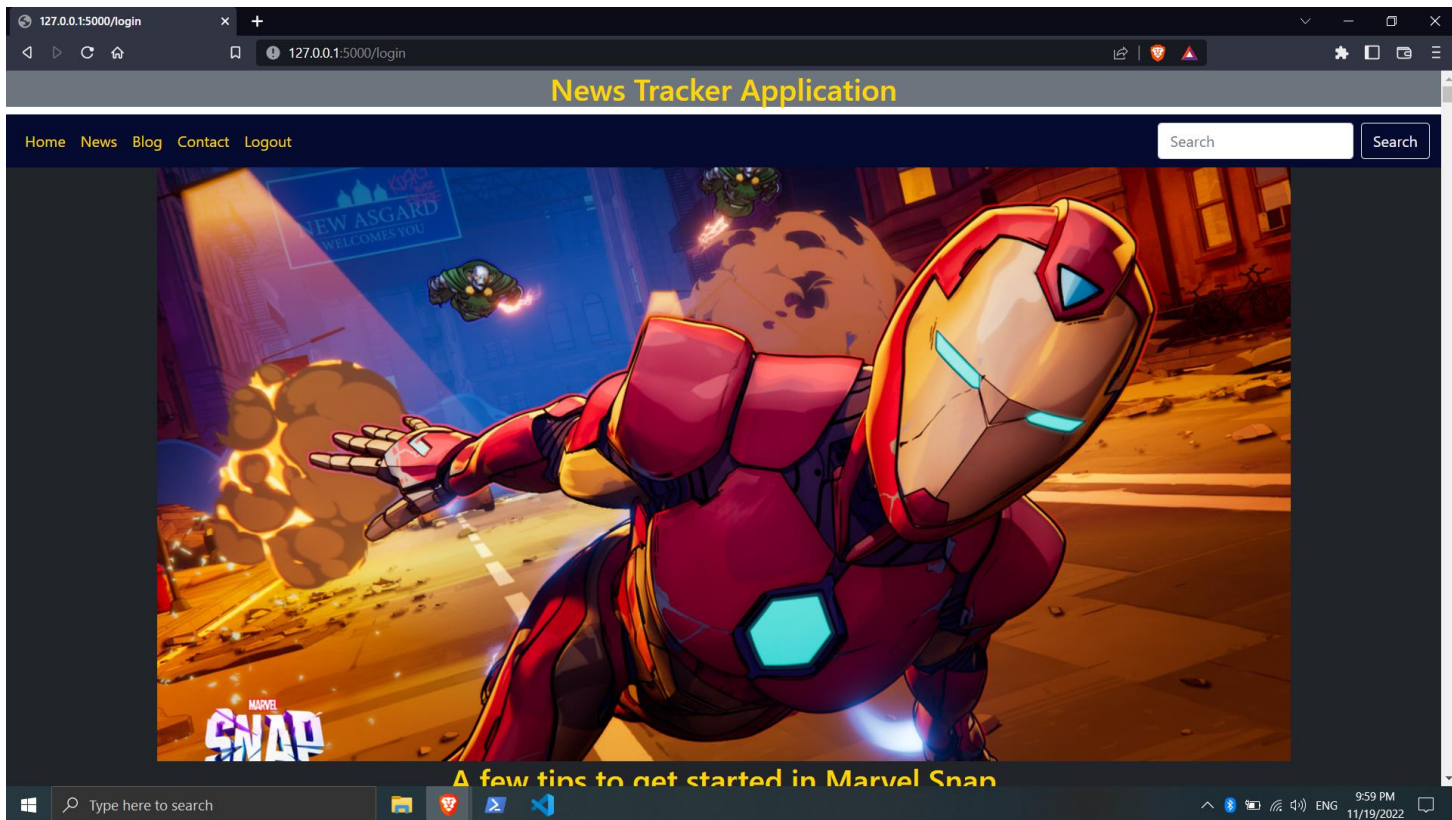| Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	TC for Automation(Y/N)	BUG ID	Executed By
LoginPage_TC_OO1	Functional	Home Page	Verify user is able to see the Login/Signup popup when user clicked on My account button		1.Enter URL and click go 2.Click on My Account dropdown button 3.Verify login/Signup popup displayed or not	https://shopenzer.com/	Login/Signup popup should display	Working as expected	Pass				Karuppiah
LoginPage_TC_OO2	UI	Home Page	Verify the UI elements in Login/Signup popup		1.Enter URL and click go 2.Click on My Account dropdown button 3.Verify login/Signup popup with below UI elements: a.email text box b.password text box c.Login button d.New customer? Create account link e.Last password? Recovery password link	https://shopenzer.com/	Application should show below UI elements: a.email text box b.password text box c.Login button with orange colour d.New customer? Create account link e.Last password? Recovery password link	Working as expected	Fail	Steps are not clear to follow		BUG-1234	Kousick Srinivas
LoginPage_TC_OO3	Functional	Home page	Verify user is able to log into application with Valid credentials		1.Enter URL(https://shopenzer.com/) and click go 2.Click on My Account dropdown button 3.Enter Valid username/email in Email text box 4.Enter valid password in password text box 5.Click on login button	Username: chalam@gmail.com password: Testing123	User should navigate to user account homepage.						Navaneeth
LoginPage_TC_OO4	Functional	Login page	Verify user is able to log into application with InValid credentials		1.Enter URL(https://shopenzer.com/) and click go 2.Click on My Account dropdown button 3.Enter InValid username/email in Email text box 4.Enter valid password in password text box 5.Click on login button	Username: chalam@gmail password: Testing123	Application should show 'Incorrect email or password ' validation message.						Naveen Raja
LoginPage_TC_OO4	Functional	Login page	Verify user is able to log into application with InValid credentials		1.Enter URL(https://shopenzer.com/) and click go 2.Click on My Account dropdown button 3.Enter Valid username/email in Email text box 4.Enter Invalid password in password text box 5.Click on login button	Username: chalam@gmail.com password: Testing123678686786876	Application should show 'Incorrect email or password ' validation message.						Navaneeth
LoginPage_TC_OO5	Functional	Login page	Verify user is able to log into application with InValid credentials		1.Enter URL(https://shopenzer.com/) and click go 2.Click on My Account dropdown button 3.Enter InValid username/email in Email text box 4.Enter Invalid password in password text box	Username: chalam password: Testing123678686786876	Application should show 'Incorrect email or password ' validation message.						Naveen Raja

8.RESULTS

9.1Performance Metrics

9. 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

```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>
```

```html
        </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="">
```

```html
                                                <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

```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>
```

```html
<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"
```

```html
                 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
```css
body {
   margin: 0px;
   padding: 0px;
   background-color: rgb(69, 54, 54);
```

```css
}
* {
   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;
```

```css
    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);
```

```css
      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;
```

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

```css
        font-family: 'Jost', sans-serif;
        background: linear-gradient(to bottom, #0f0c29, #302b63, #24243e);
}
.main{
        width: 350px;
        height: 500px;
        background: red;
        overflow: hidden;
        background:                                                        url("https://doc-08-2c-
docs.googleusercontent.com/docs/securesc/68c90smiglihng9534mvqmq1946dmis5/fo0picsp1nhiucmc0l2
5s29respgpr4j/1631524275000/03522360960922298374/03522360960922298374/1Sx0jhdpEpnNIydS4r
nN4kHSJtU1EyWka?e=view&authuser=0&nonce=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%;
```

```css
        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
```python
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"
```

```python
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'])
```

```python
        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]
```

```python
            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)):
```

```python
        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-7934-1658903483
 Project Demo Link:
https://drive.google.com/file/d/1HM2F0P7ZgWdhcoVvLIB2_z-Ljy15imvO/view?usp=share_link