# Project Name News Tracker Application

**Domain Cloud Application Development**

# Team ID PNT2022TMID53912

**Team Leader Tharuna Shri S**

# Team Member 1 Mathumitha Murali S

**Team Member 2 Roshini P**

# Team Member 3 Suba Shree S

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every minute and distributed via television, radio and the Internet, so the news updated the next morning is already outdated.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

# LITERATURE SURVEY

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.NO** | **PAPER** | **AUTHOR** | **YEAR** | **SHORT DESCRIPTION** | **RESULT** | **FUTURE WORK AND ANALYSIS** |
| 1. | Exploring mobile news reading interactions for news app personalisat ion | Marios Constantini des,  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. |

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|  |  |  |  | able to reliably recognise a user according to their reader 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. |

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|  |  |  |  | information that system has already presented 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 |

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|  |  |  |  | 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. |

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|  |  |  |  | 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 Tavakolifar d  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 minimal user 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 entities and events for the |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Transparent Approach to News Recommen dation |  |  | * 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 a separate module for serverside and client side so it is the fastest app for news delivering.so many business men approach this for news reading. | recent news articles as well as graphs of popularity and sentiments over a period of time for each entity and event.   * The idea is that the user will be able to switch between news stories, events and entities to drill down to his/her relevant news article without entering any search query or having to go through many clicks. * Moreover, we plan for both online evaluation (using real users’ opinions and editorial judgements from journalists) and offline evaluation (comparison with a baseline approach using popular   information retrieval metrics) of our system. |

* 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](http://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](http://www.ibm.com/in-en/products/watson-assistant/docs-resources) 4.https://[www.ibm.com/blogs/cloud-archive/2019/03/video-containerization-explained/](http://www.ibm.com/blogs/cloud-archive/2019/03/video-containerization-explained/) 5.https://developer.ibm.com/components/cloud-foundry/tutorials/

# Problem Statement Definition

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

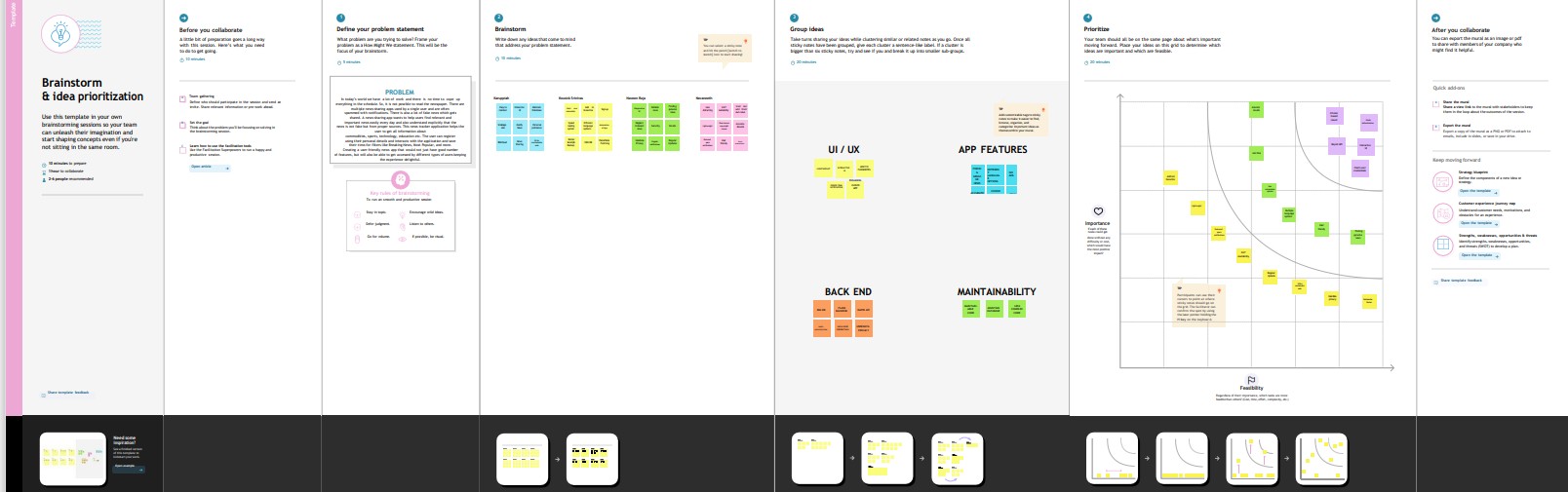
explicitly that the news is not fake but from proper sources. This news tracker application helps the user to get all information about commodities, sports, technology, education etc. The user can register using their personal details and interacts with the application and save their time. • Creating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

# IDEATION & PROPOSED SOLUTION

* 1. **Empathy Map Canvas**



# Ideation & Brainstorming

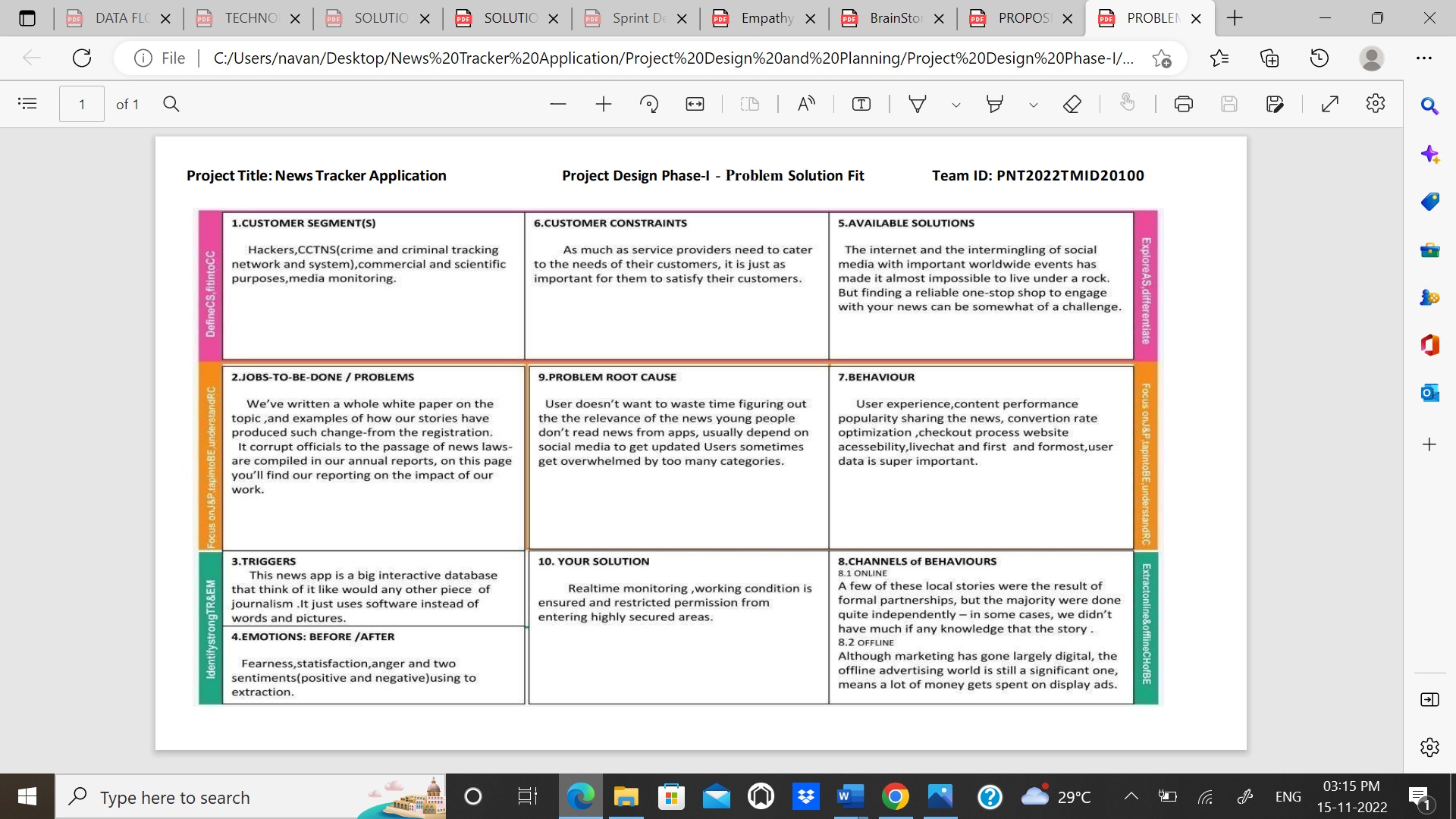


* 1. **Proposed Solution**

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| --- | --- | --- |
| 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 |

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

# Problem Solution fit



1. **REQUIREMENT ANALYSIS**

# Functional requirement

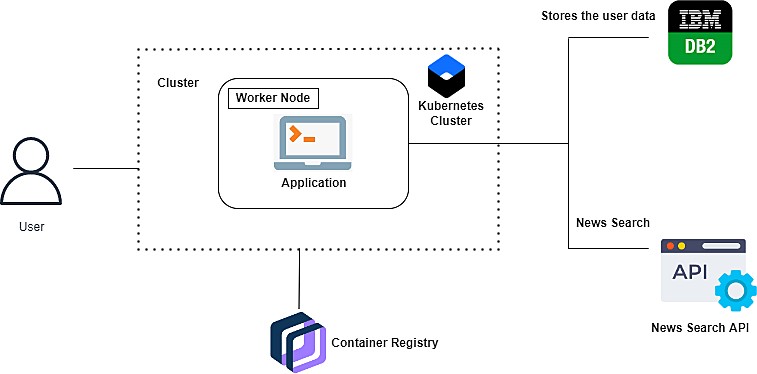
|  |  |  |
| --- | --- | --- |
| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub- Task) |
| FR-1 | User Installation | User can install the app from Google play store or from the website |
| FR-2 | User Registration | Registration through Form Registration through Gmail |
| FR-3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

* 1. **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 |

# 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.

# PROJECT PLANNING & SCHEDULING

* 1. **Sprint Planning & Estimation**

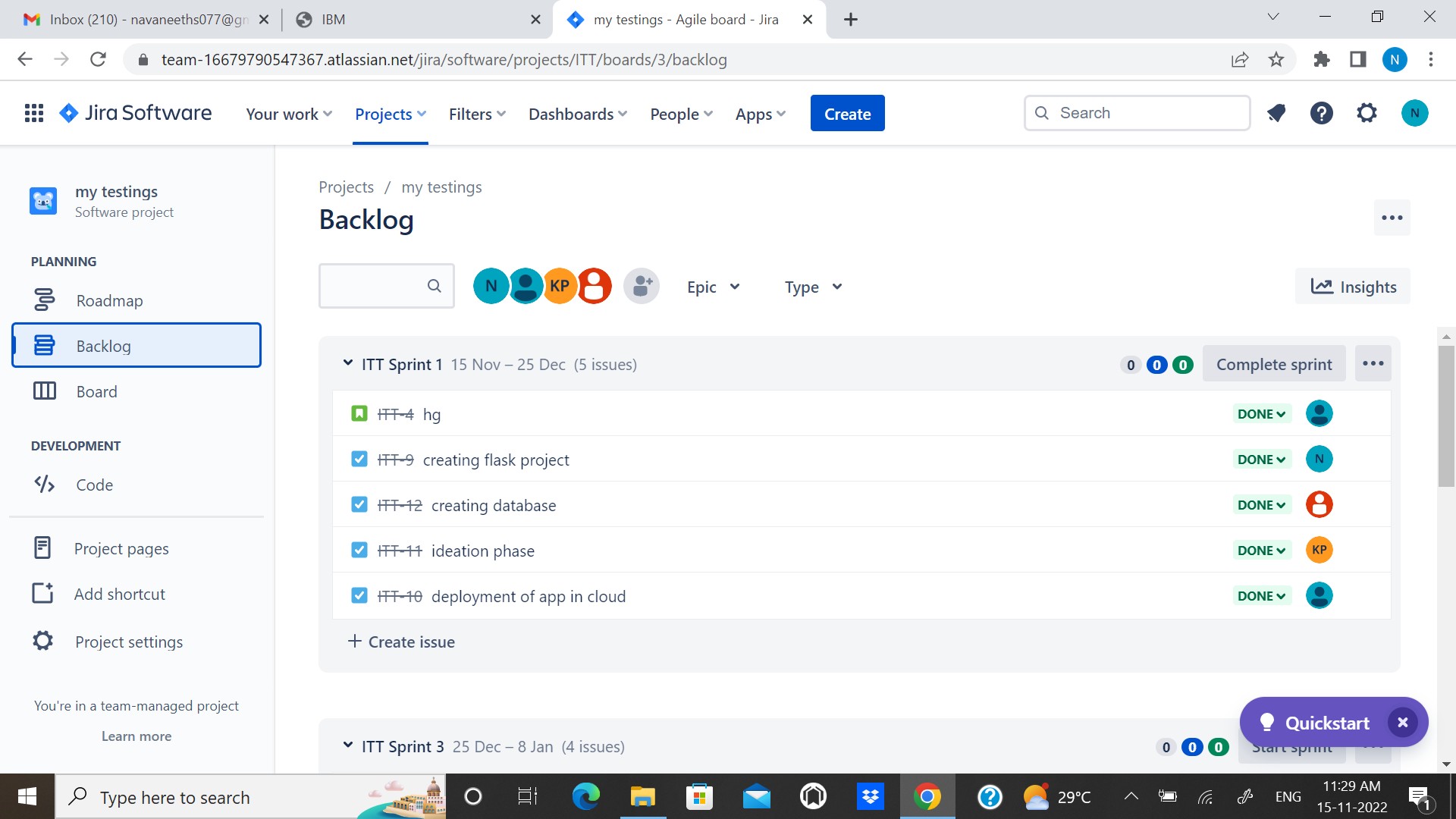
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, 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 |

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|  |  |  |  |  |  |  |
| 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 |

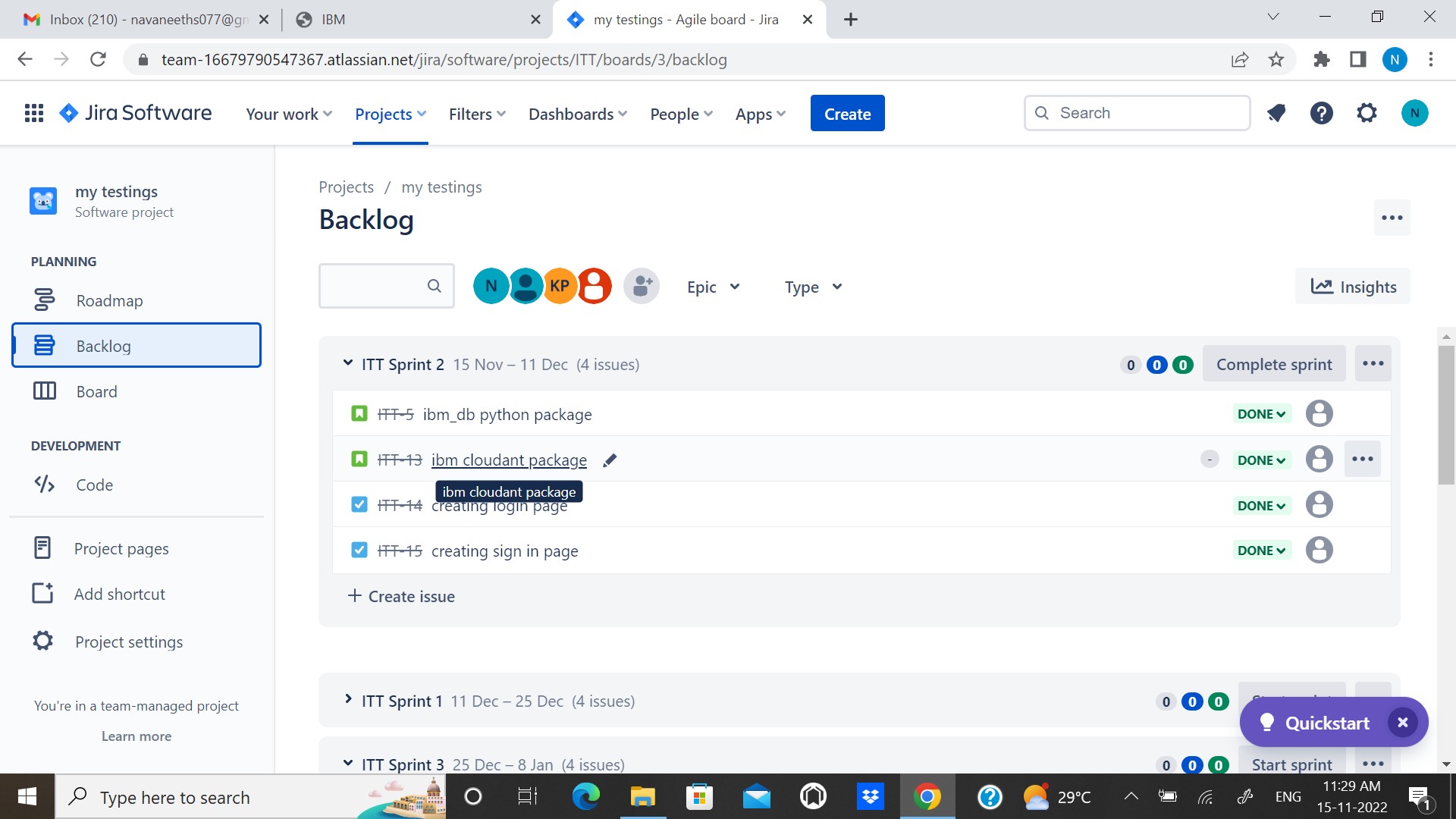
# Sprint Delivery Schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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 |

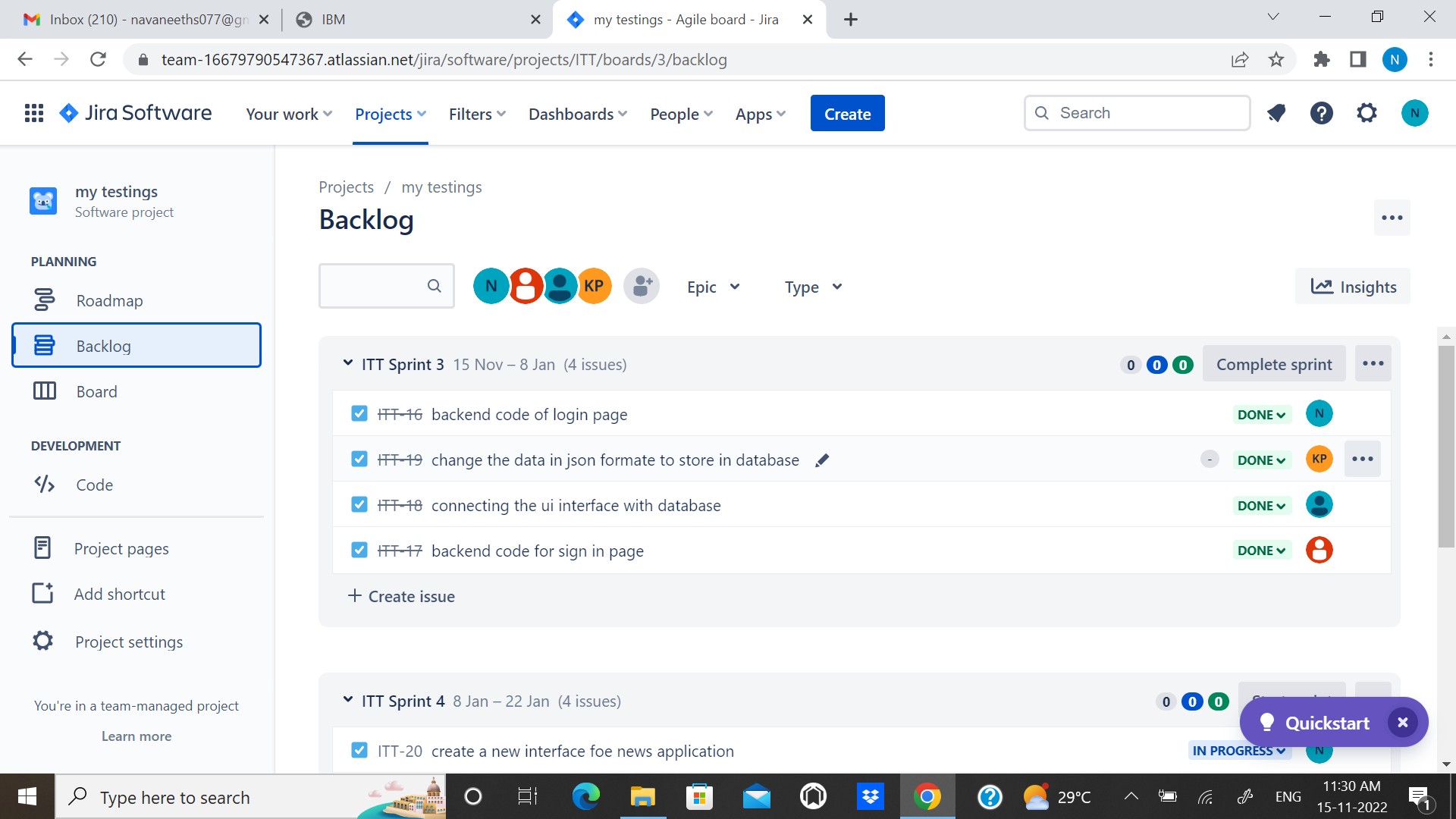
* 1. **Reports from JIRA Sprit-1**



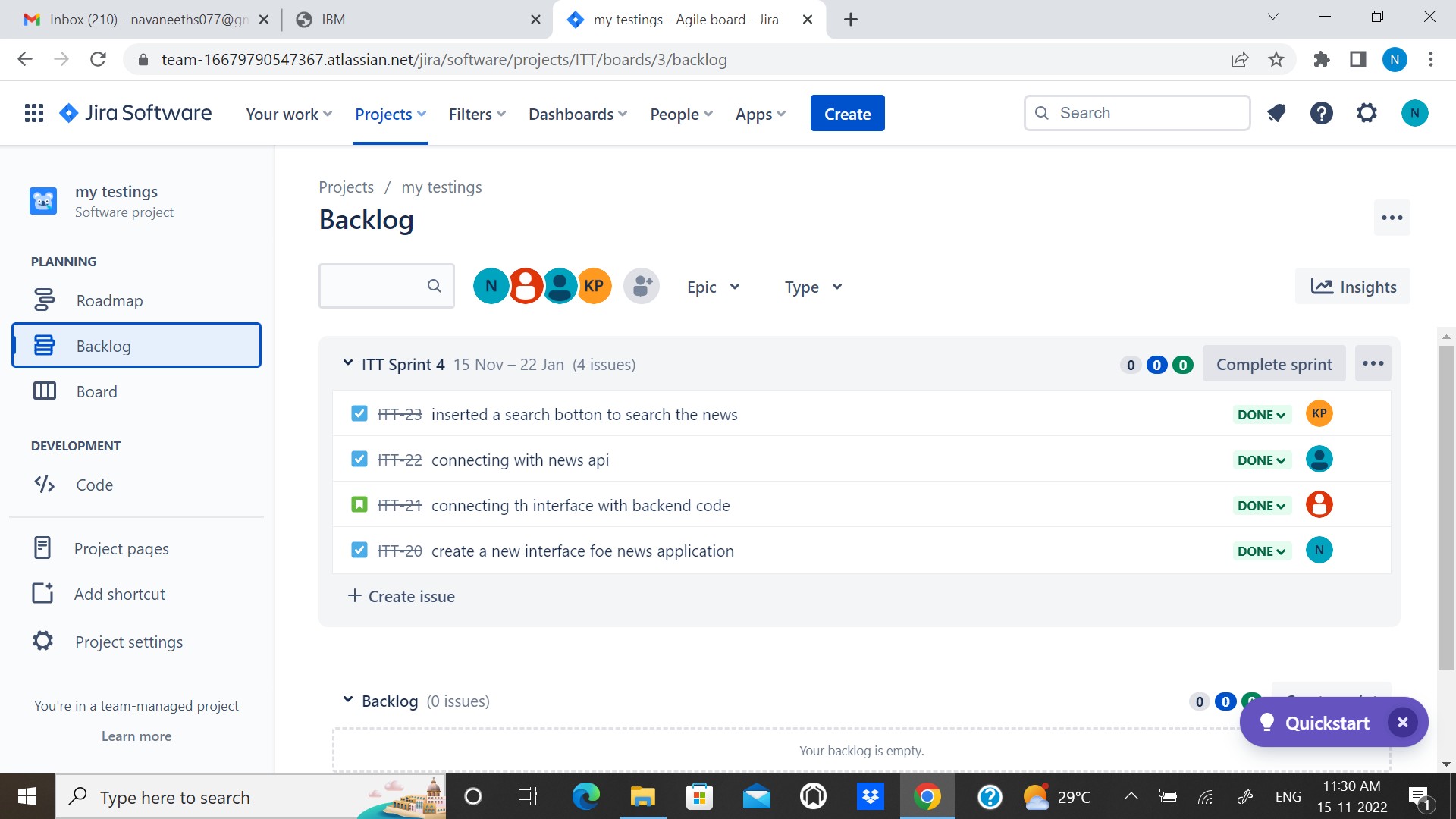
# Sprint-2



**Sprint-3**

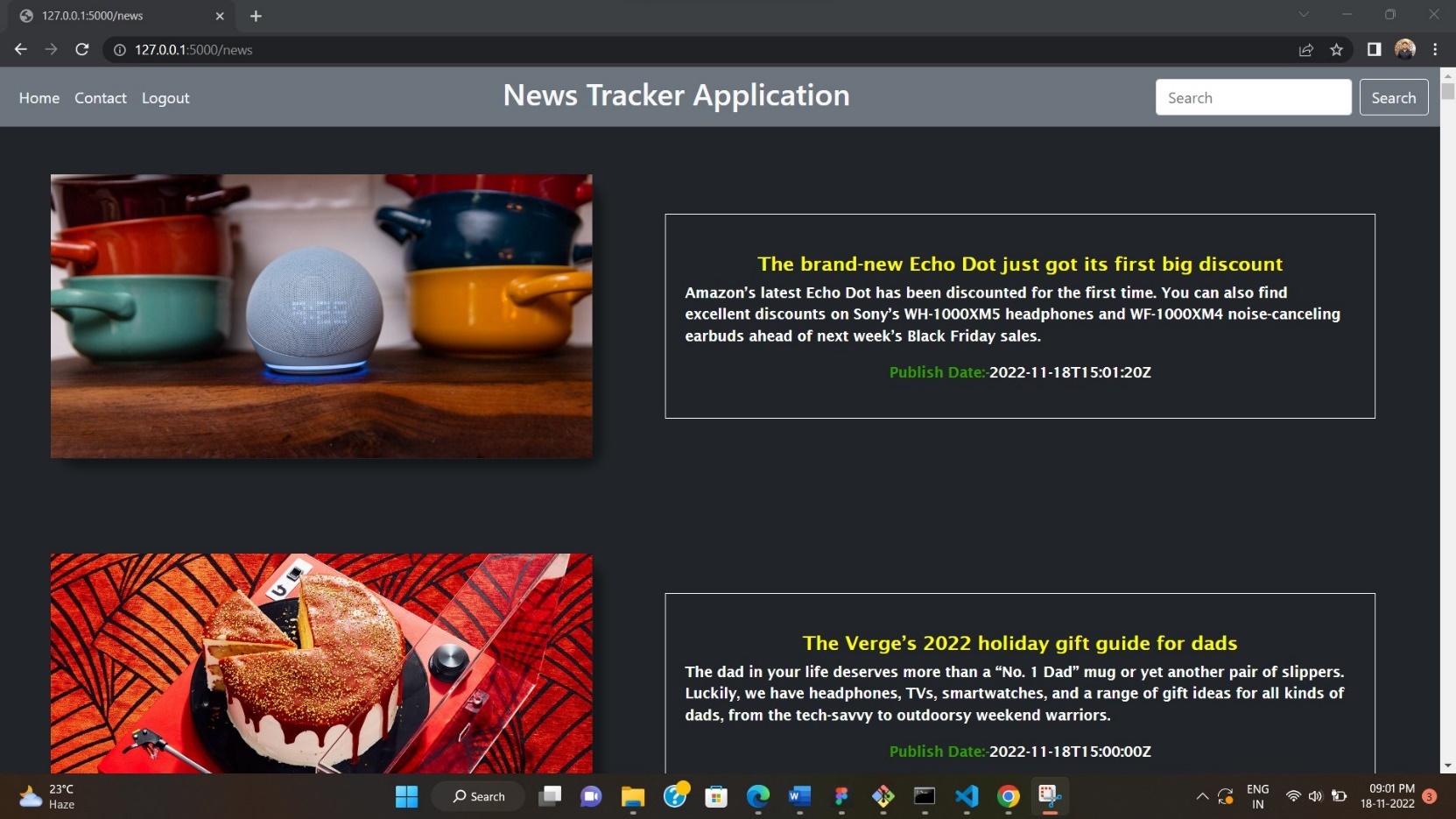


# Sprint-4



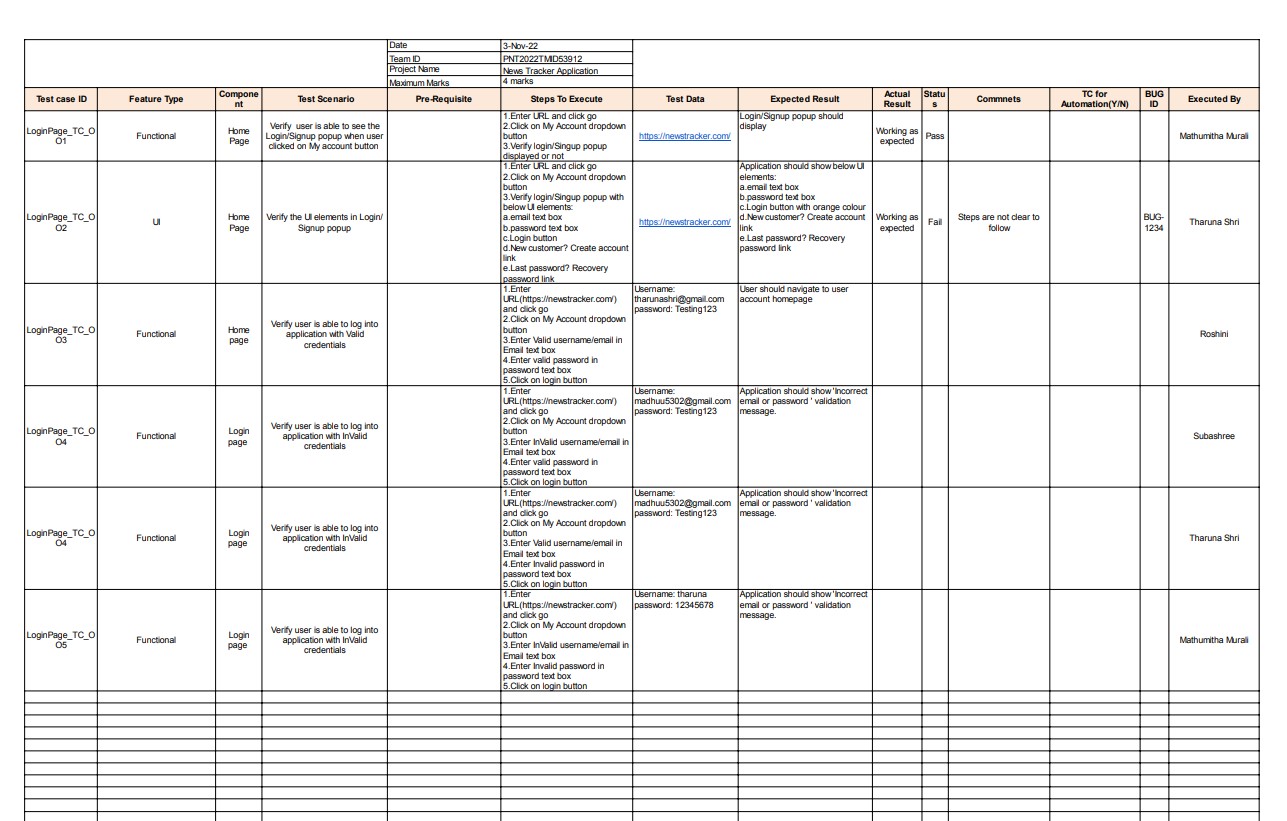
1. **CODING & SOLUTIONING**

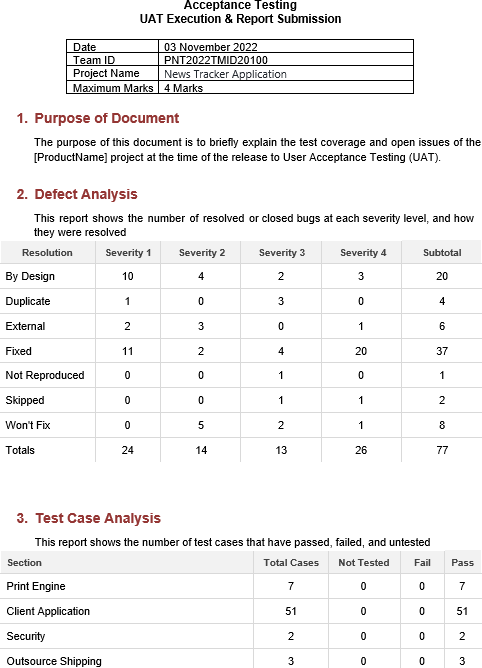
# 7.1Feature 1

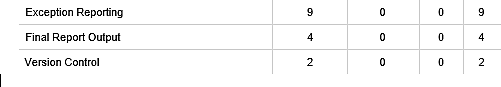
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1. **TESTING**

# User Acceptance Testing

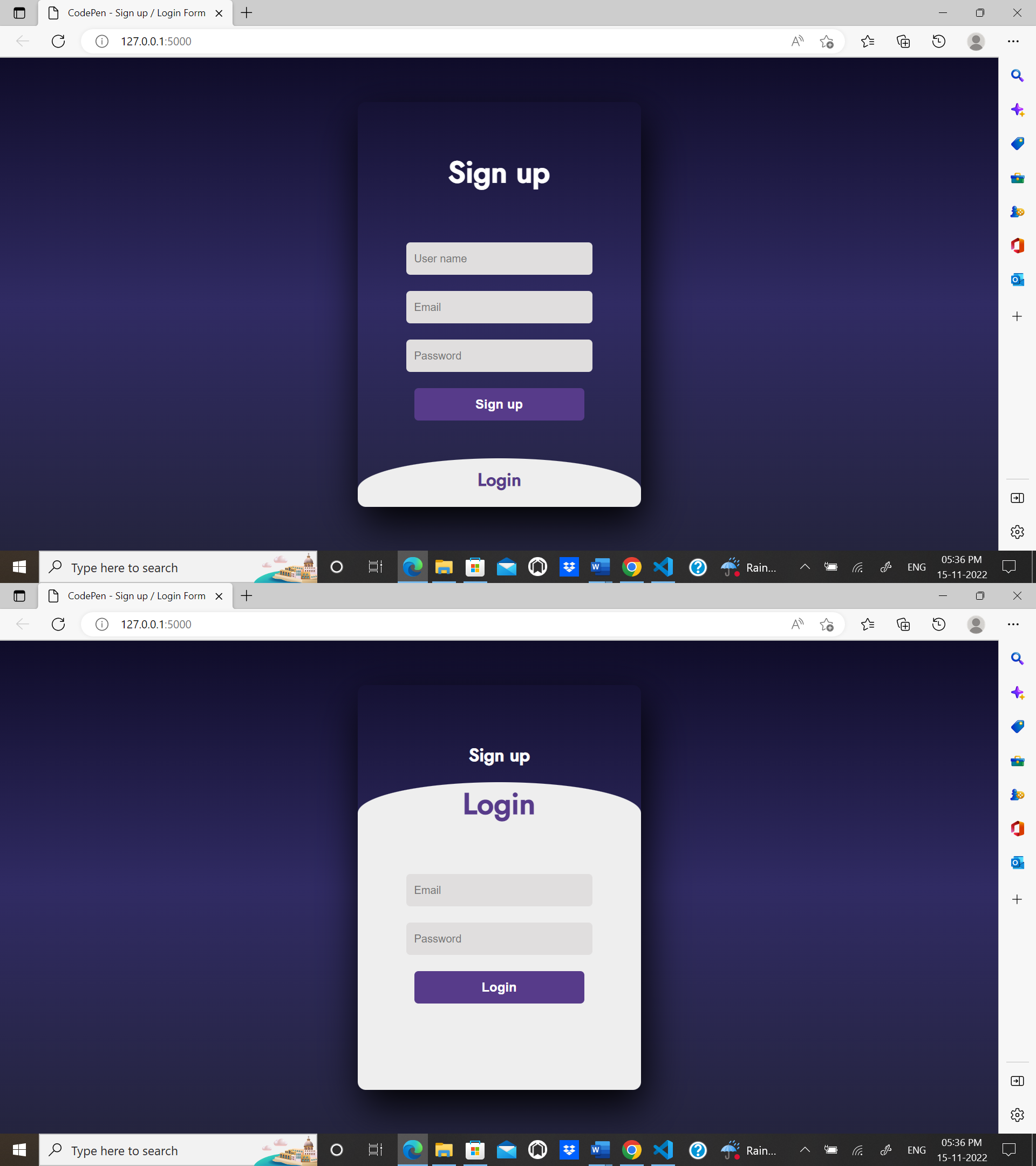


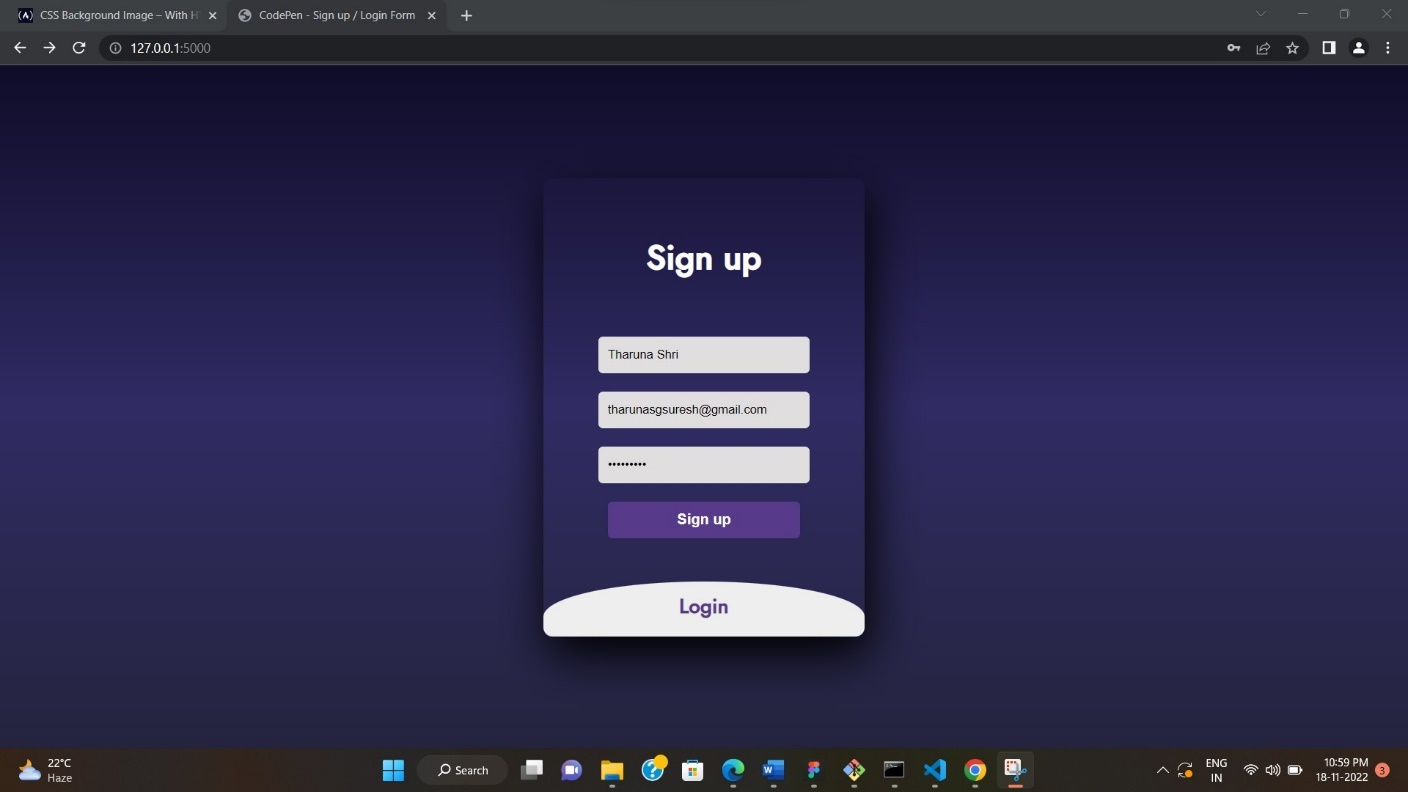


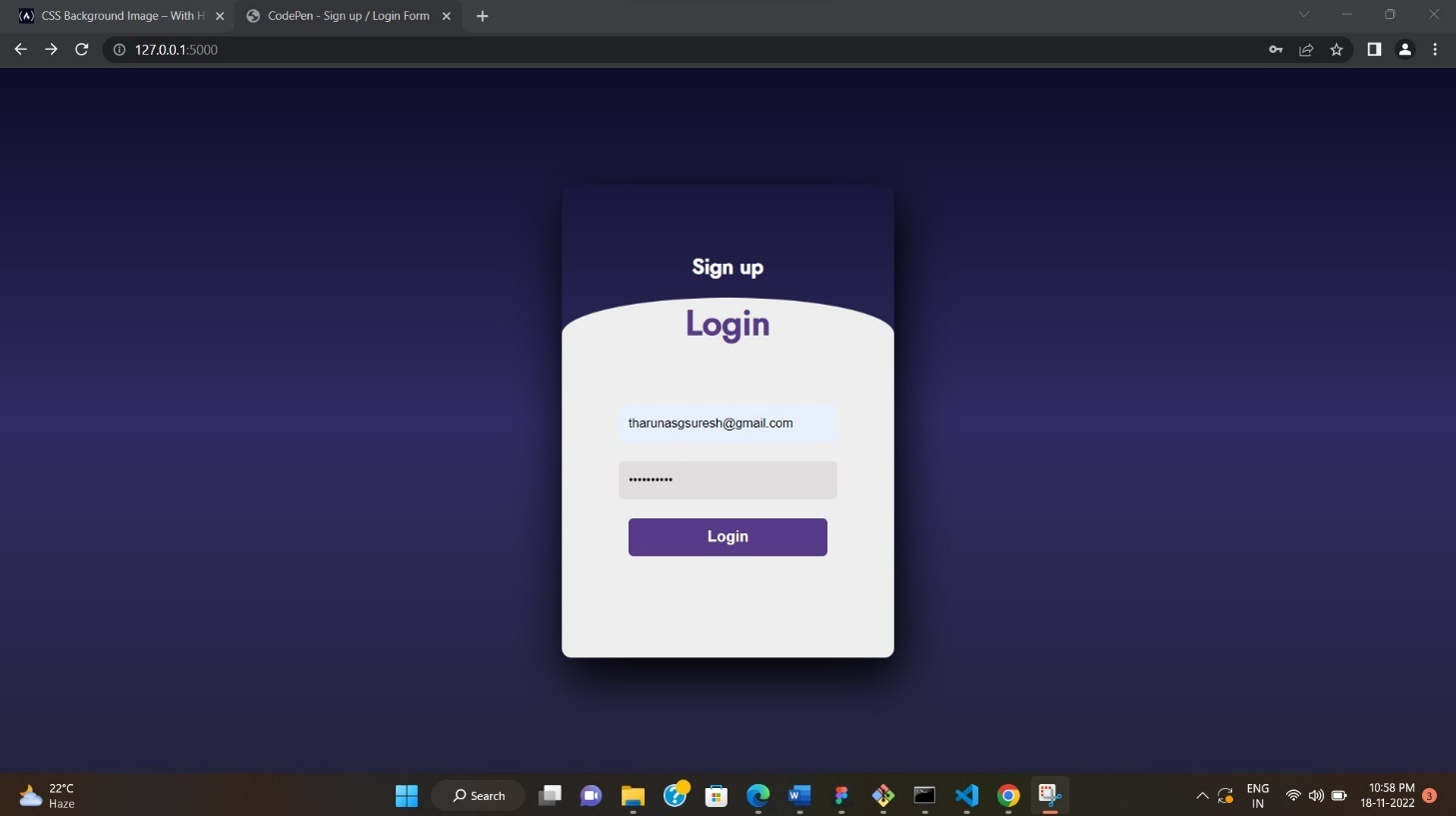


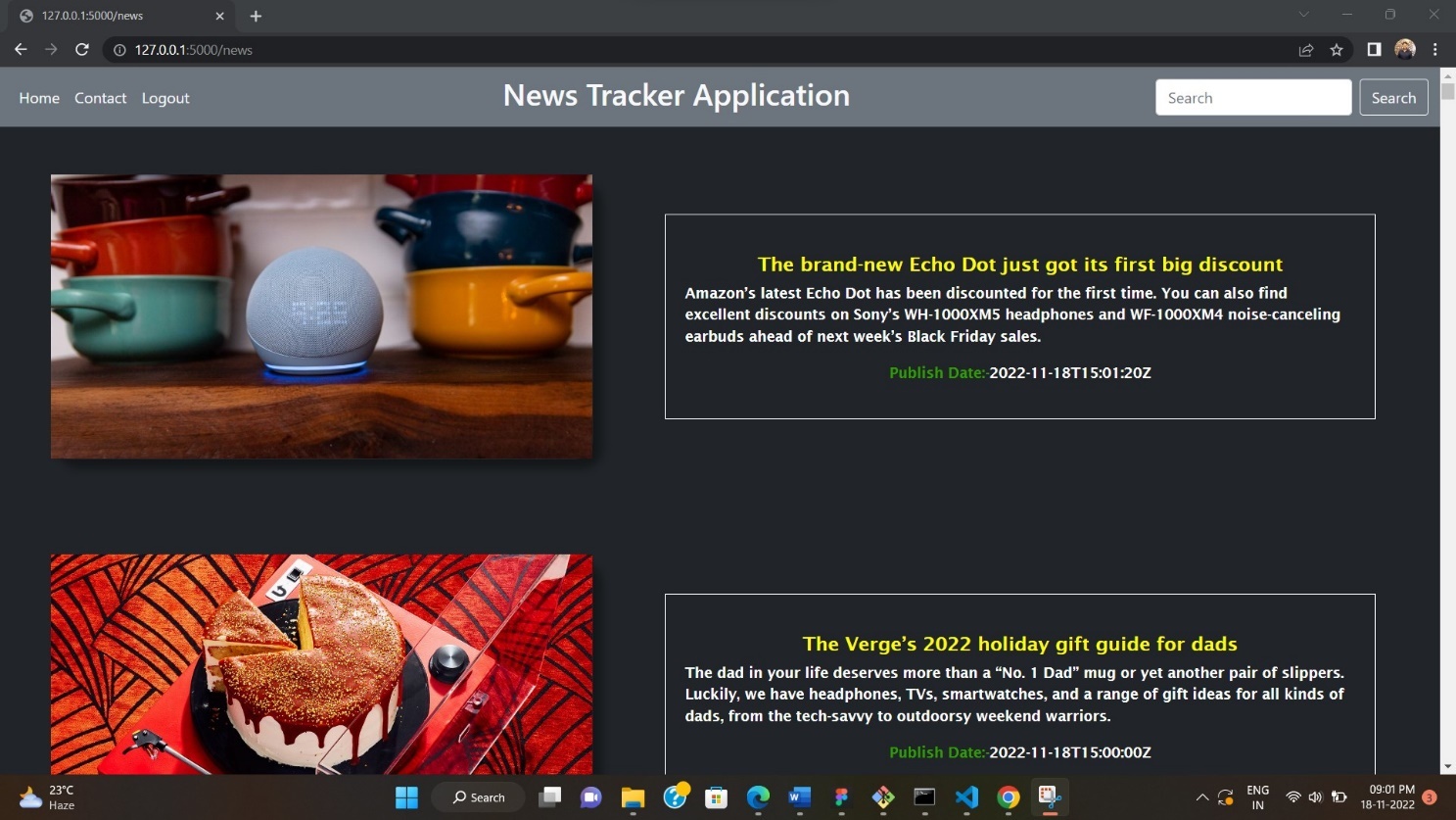
1. **RESULTS**

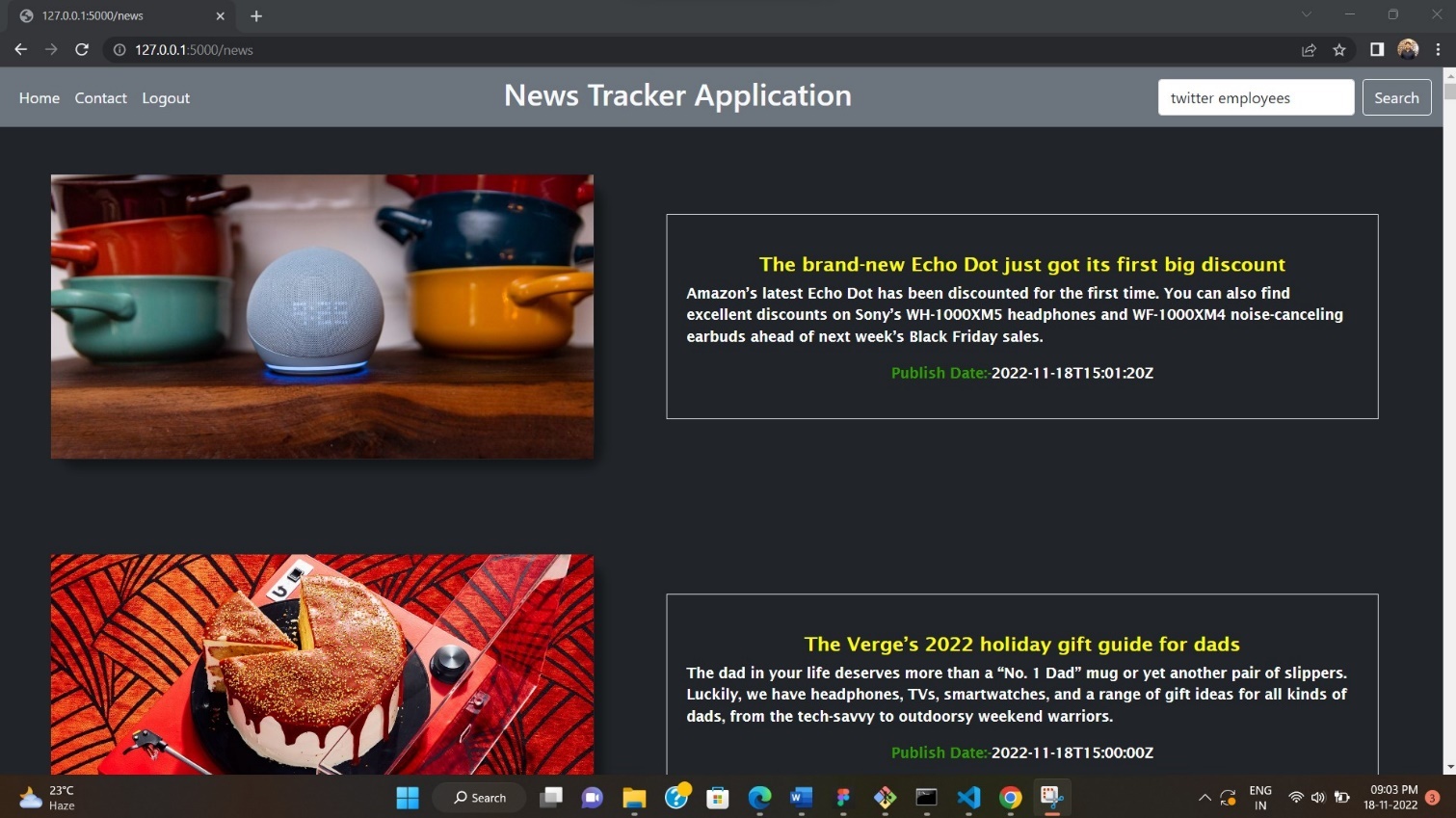
# 9.1Performance Metrics

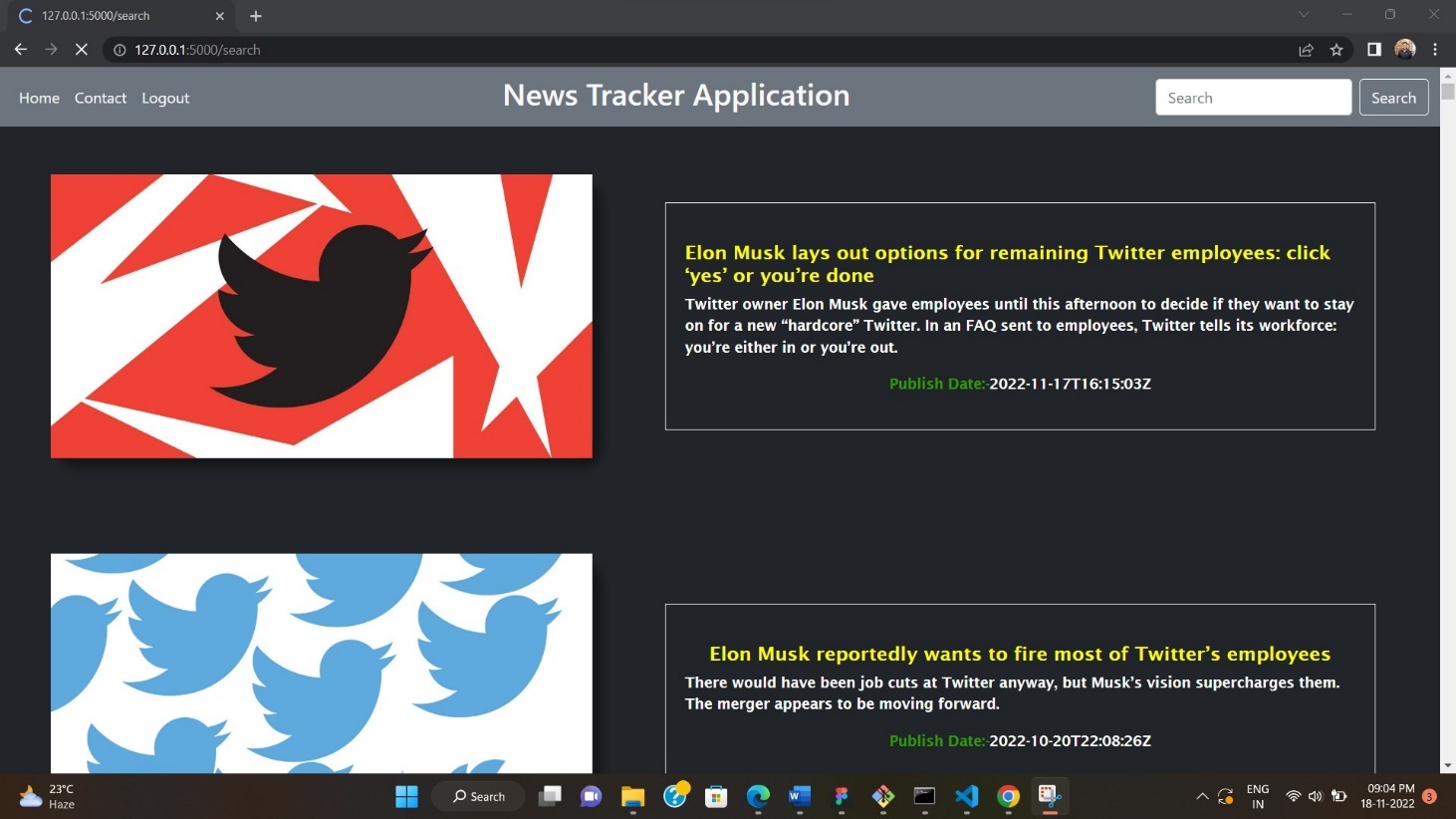
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1. **ADVANTAGES**
2. All trending news will be displayed in a orderly manner.
3. We can costomize the topic which we are interested and make them display
4. The user experience are quit simple and friendly

# DISADVANTAGES

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

# CONCLUSION

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

# Future scope

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

# 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](https://cdn.jsdelivr.net/npm/bootstrap%405.0.2/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](https://cdn.jsdelivr.net/npm/%40popperjs/core%402.9.2/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](https://cdn.jsdelivr.net/npm/bootstrap%405.0.2/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](https://fonts.googleapis.com/css2?family=Jost%3Awght%40500&display=swap)" rel="stylesheet">

</head>

<body>

<div class="main">

<input type="checkbox" id="chk" aria-hidden="true">

required="">

<div class="signup">

<form action = "/register" method="post">

<label for="chk" aria-hidden="true">Sign up</label>

<input type="text" name="un" placeholder="User name"

required=""> required="">

</div>

<input type="email" name="ue" placeholder="Email"

<input type="password" name="up" placeholder="Password"

<button type="submit">Sign up</button>

</form>

required=""> required="">

<div class="login">

<form action = "/login" method="post">

<label for="chk" aria-hidden="true">Login</label>

<input type="email" name="email" placeholder="Email"

<input type="password" name="pswd" placeholder="Password"

<button type="submit">Login</button>

</form>

</div>

</body>

</html>

<!-- partial -->

</body>

</html>

# Contact.html

<!DOCTYPE html>

<html lang="en">

<head>

</div>

<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](https://cdn.jsdelivr.net/npm/bootstrap%405.0.2/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](http://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](http://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-

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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](http://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-

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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](http://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](https://cdn.jsdelivr.net/npm/%40popperjs/core%402.9.2/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](https://cdn.jsdelivr.net/npm/bootstrap%405.0.2/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;

}

.main{

font-family: 'Jost', sans-serif;

background: linear-gradient(to bottom, #0f0c29, #302b63, #24243e);

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{

}

input{

}

button{

color: #fff;

font-size: 2.3em; justify-content: center; display: flex;

margin: 60px; font-weight: bold; cursor: pointer;

transition: .5s ease-in-out;

width: 60%; height: 20px;

background: #e0dede; justify-content: center; display: flex;

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

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 :

# [IBM-EPBL/IBM-Project-24423-1659942762: News Tracker Application (github.com)](https://github.com/IBM-EPBL/IBM-Project-24423-1659942762)

# Project Demo Link:

https://drive.google.com/file/d/1X5PUwmqRsJ8aqJpekxaBMOFqZUCjld5-/view?usp=drivesdk