# Project Name News Tracker Application

**Domain Cloud Application Development**

**T eam ID P NT2022TMID16931**

**Team Leader Nithishkumar K R**

**Team Member 1 Muneeswaran A**

**Team Member 2 Praveen P**

**Team Member 3 Lokeshkumar S**

1. **INTRODUCTION**
   1. **Project Overview**

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

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every minute and distributed via television, radio and the Internet, so the news updated the next morning is already outdated.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

* 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

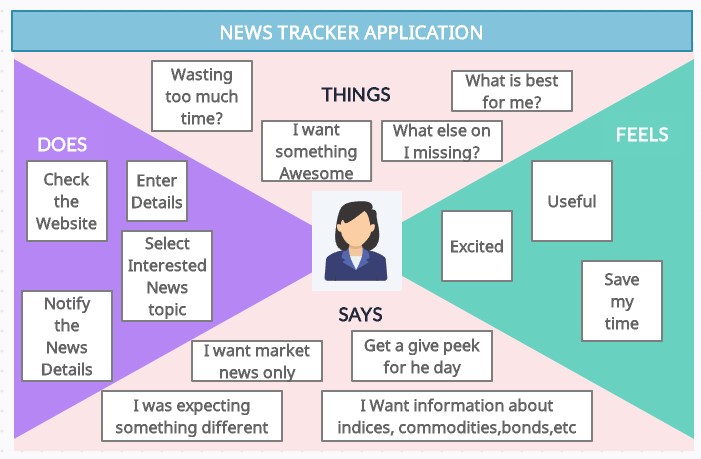
explicitly that the news is not fake but from proper sources. This news tracker application helps the user to get all information about commodities, sports, technology, education etc. The user can register using their personal details and interacts with the application and save their time. • Creating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

* An empathy map is a simple, easy-to-digest visual that captures knowledge about a user’s behaviours and attitudes.
* It is a useful tool to helps teams better understand their users.
* Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user’s perspective along with his or her goals and challenges.

|  |  |
| --- | --- |
| **Says**  This section contains direct quotes from the user that have been gathered from interviews, product  reviews, surveys, etc., | **Thinks**  While this quadrant may have similar content to the “Says” section, it is more focused on what a user is thinking and doesn’t choose to say out loud |
| **Does**  This quadrant captures what the user conventionally does and how they do it. | **Feels**  This category addresses the user’s emotional state and answers questions like “What worries or excites the user about the project?” |

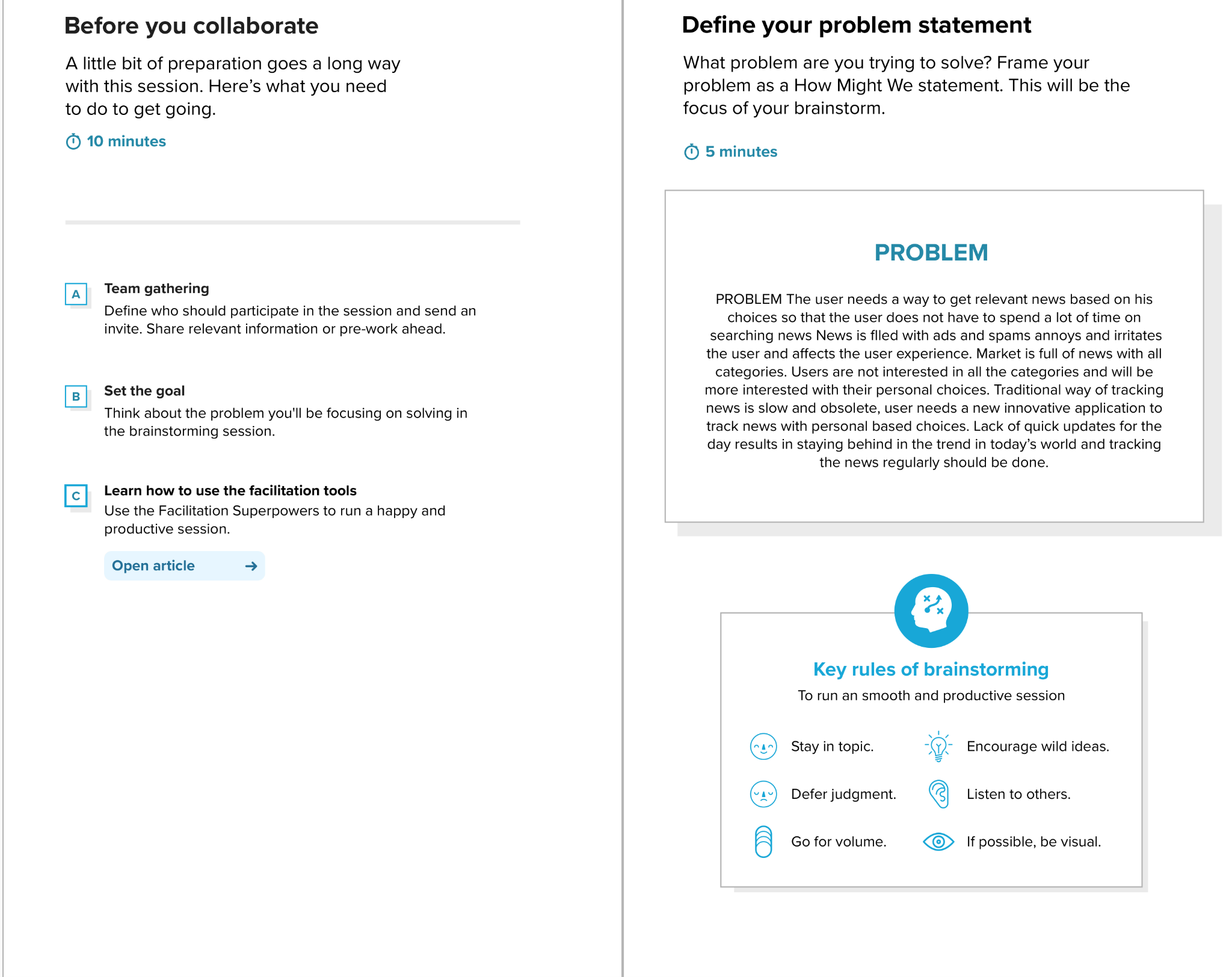


* 1. **Ideation & Brainstorming**

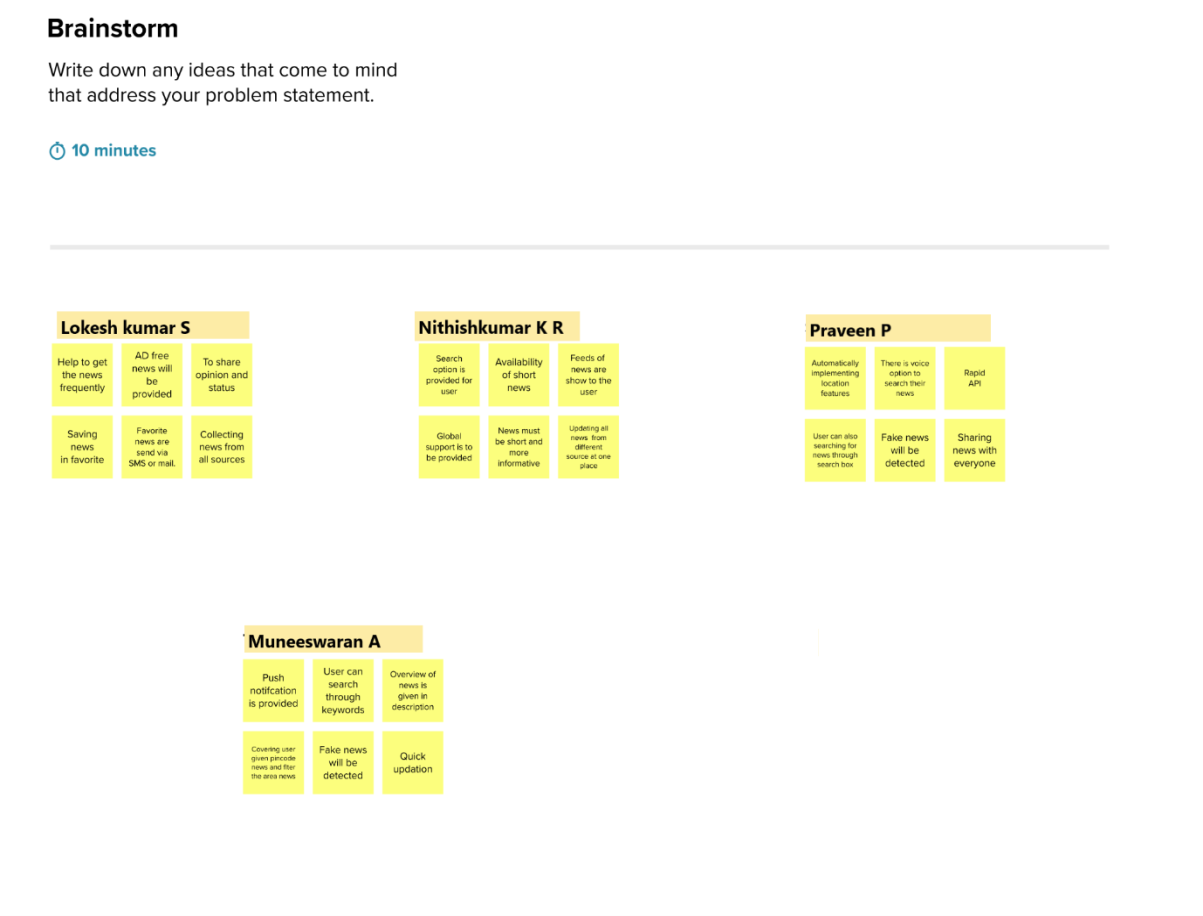
Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

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.

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



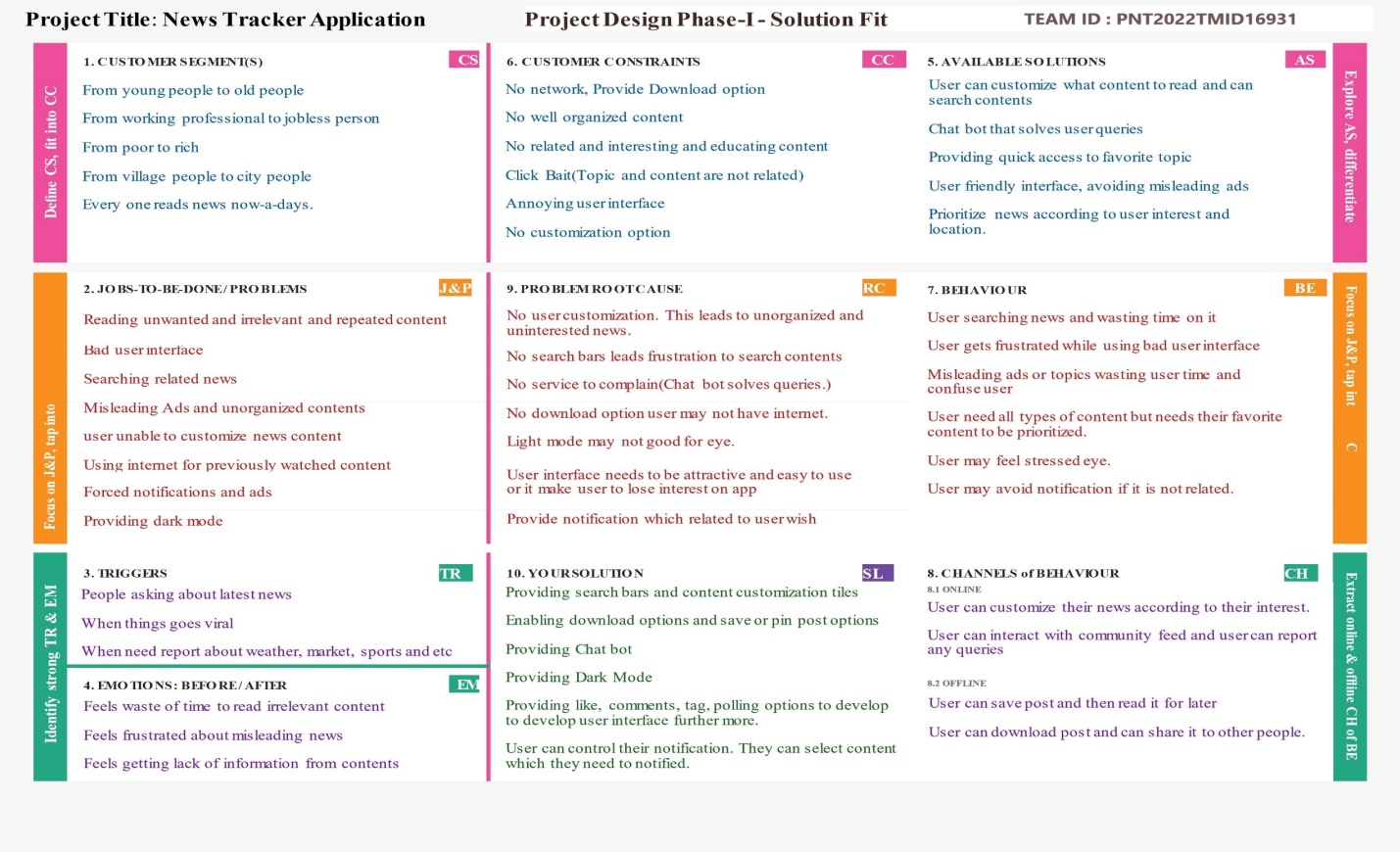
# Step-2: Brainstorm, Idea Listing and Grouping



* 1. **Proposed Solution**

|  |  |  |
| --- | --- | --- |
| S.NO | Parameter | Description |
| 1 | Problem Statement (Problem to be solved) | To develop a web or mobile application for the news tracker. The main objective of the project is to provide people a handy android or web application through which people can access all types of news and information. |
| 2 | Idea / Solution description | A application can be developed to implement news tracker website or app using IBM Cloud, HTML, Javascript, IBM Cloud Object Storage, Python-Flask, Kubernetes, Docker, IBM DB2, IBM Container Registry. |
| 3 | Novelty / Uniqueness | Using latest technology lasts in market, reach high among people, and meets their needs. Real Time applications help people to read News and Receive information easily. |
| 4 | Social Impact / Customer Satisfaction | News is one of the needs nowadays. So, This will help the users to share news on various platforms such as Twitter andFacebook. This will not only give an amazing user experience and also will also increase the views. |
| 5 | Business Model (Revenue Model) | The application development has no cost for development. Hence It is not paid application. It can be made as paid app for other private company with new features. |
| 6 | Scalability of the Solution | The solution used to build the application is unique and lasts in market. So the solution scalability is high. |

* 1. **Problem Solution fit**



**REQUIREMENT ANALYSIS**

* 1. **Functional requirement**

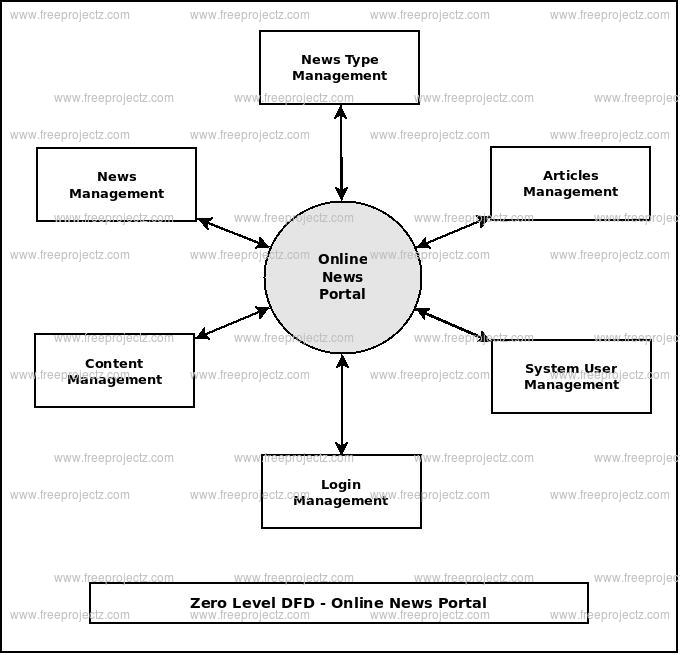
|  |  |  |
| --- | --- | --- |
| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub- Task) |
| FR-1 | **User Registration** | * Registration through Form |
| FR-2 | **User Confirmation** | * Confirmation via OTP |
| FR-3 | **Searching** | * Search the news based on the user interest * Showing the trending news on search * Showing the Category- wise news * User can save the news needed and study later * Help users find content with categorized |
| FR-4 | **Real time News** | * User can see the Real news with Real time update * Auto update news because it fetch news from API * Show the Number of comments an article as a and the number of comment can be used as a measure of comment popularity |
| FR-5 | **Location based** | * User can view the news near to their location * User can track the Location of the news |
| FR-6 | **User friendly** | * User can publish their own articles * User can add images to their articles * Users can see the articles Published by the other users   Push notification are meant to attract users attention by using alerts, even if it’s just for a second. |

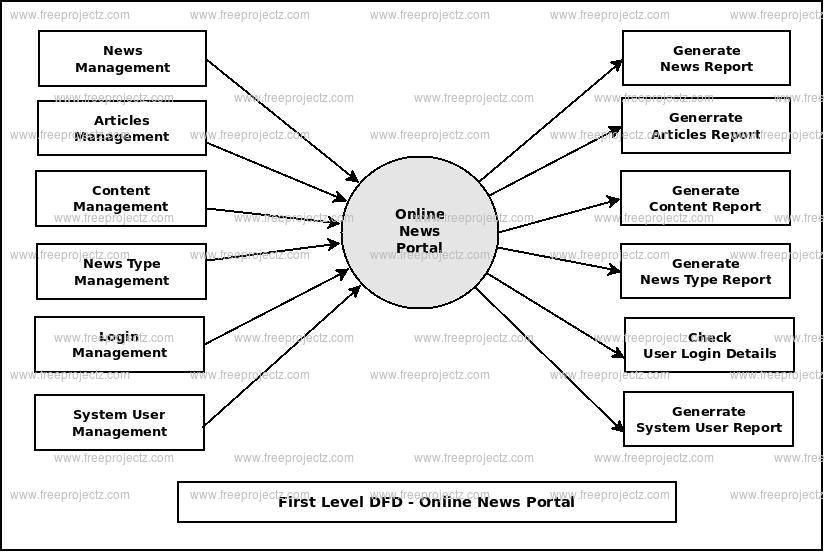
**4.2Non-Functional requirements**

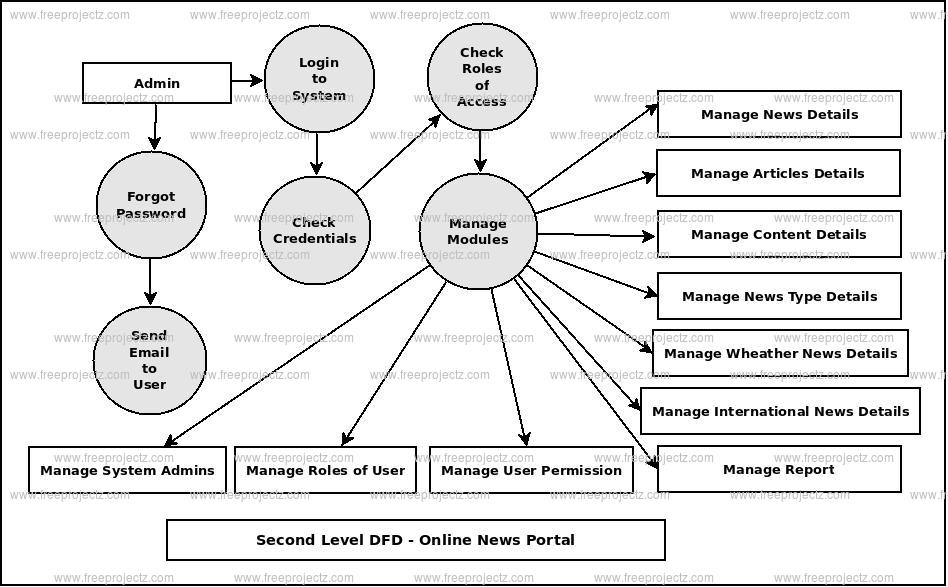
|  |  |  |
| --- | --- | --- |
| FR No | Non-Functional Requirement | Description |
| NFR-1 | Usability | Everyone can understand the process of using the app easily by the commands given in the app |
| NFR-2 | Security | It is a more secured app. No fake news can be shared. |
| NFR-3 | Performance |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

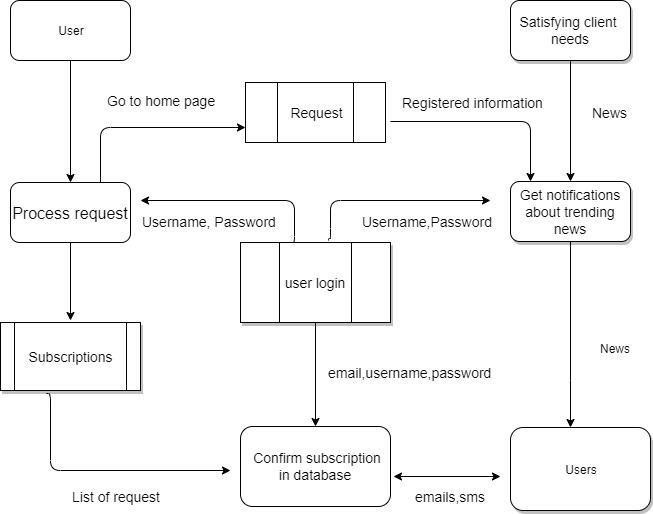
1. **PROJECT DESIGN**

**5.1Data Flow Diagrams**







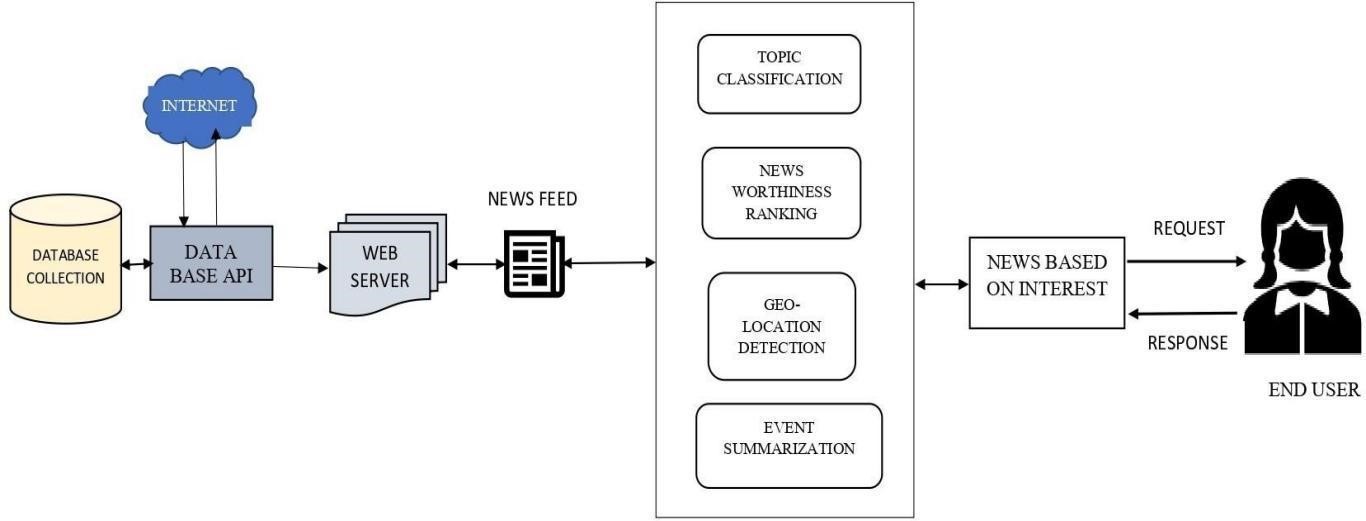


* 1. **Solution & Technical Architecture**

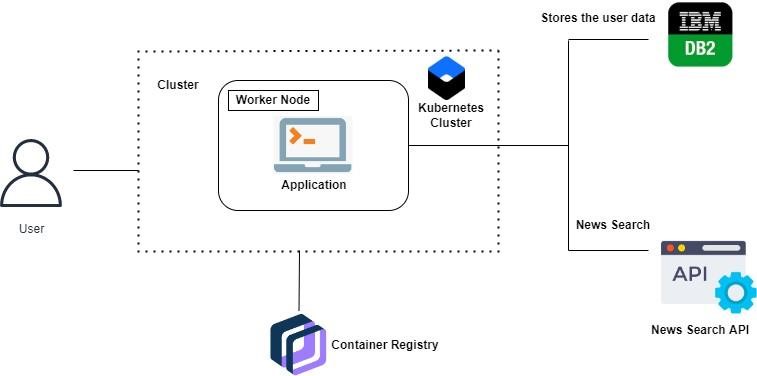
**Solution architecture**  is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

* 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:**



**Technical Architecture**



# 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**

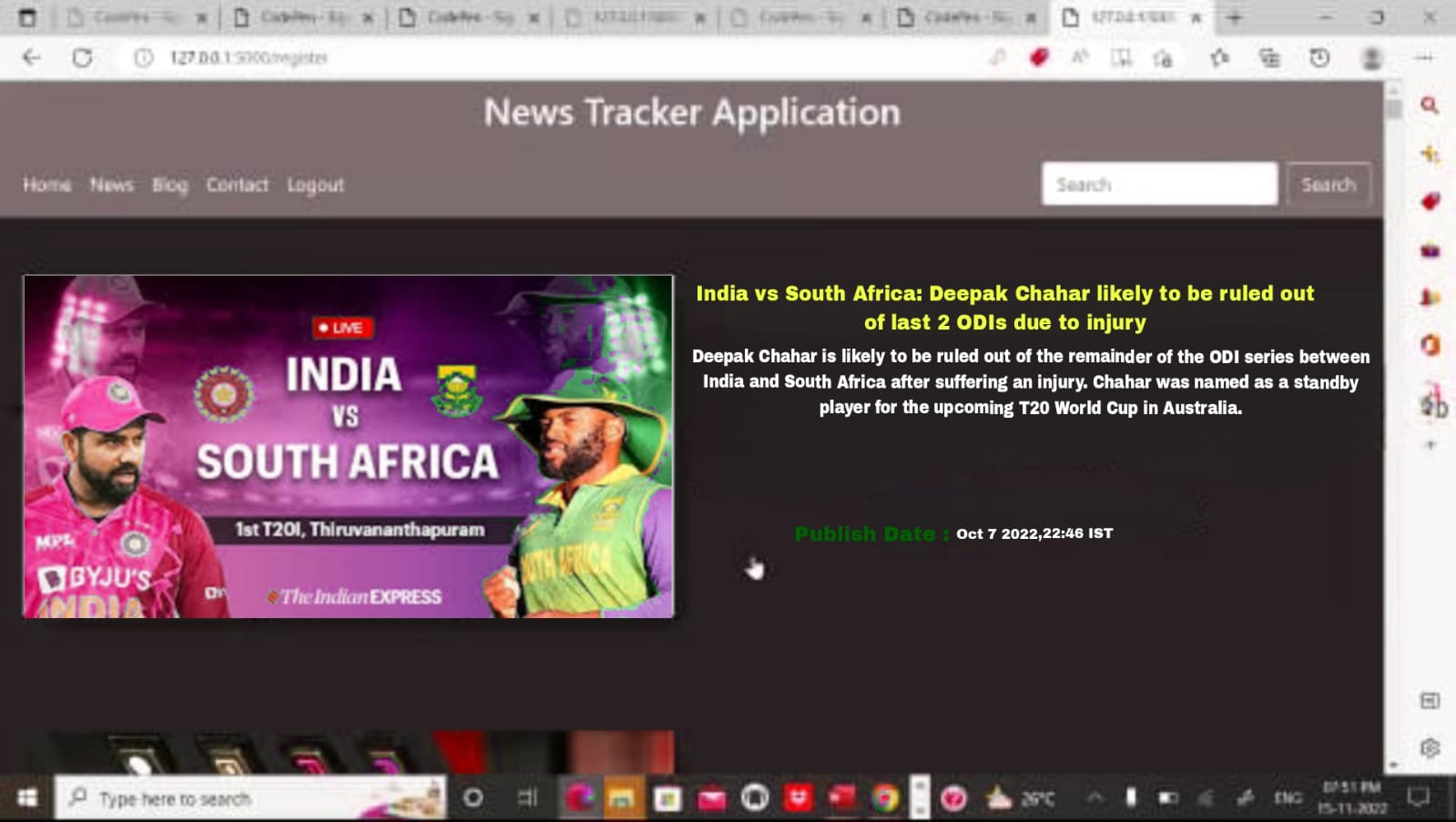
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | Nithishkumar |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Muneeswaran  Praveen |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Nithishkumar  Lokeshkumar |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Nithishkumar  Praveen |
| Sprint-2 | Dashboard | USN-6 | As a user I should be able to navigate and access all the features hassle free | 2 | High | Nithishkumar, Muneeswaran |
| Sprint-2 | Layout | USN-7 | As a user I should be able to access the portal with different devices with the same comfort | 2 | High | Praveen  Lokeshkumar |
| Sprint-3 | Data Store and retrieval | USN-8 | Get Data from API and store as JSON in DB2 | 3 | High | Muneeswaran  Lokeshkumar  Praveen  Nithishkumar |
| Sprint-3 |  | USN-9 | Get bin data from API and store in DFS | 2 | High | Nithishkumar |
| Sprint-4 | User Segregation and data access | USN-10 | As a CC executive I should be able to uniquely identify the customer and offer help | 1 | Low | Praveen  Muneeswaran |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-4 | Change code | USN-11 | As a administrator I should be able to modify code according to the future requirements. | 2 | Medium | Nithishkumar |
| Sprint-4 | Monitor the system | USN-12 | As a administrator I should be able to monitor the cloud system and fix errors before customer. | 1 | High | Praveen |

**Project Tracker, Velocity & Burndown Chart**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | 6 | 6 Days | 30 Oct 2022 | 29 Oct 2022 | 6 | 02 Nov 2022 |
| Sprint-2 | 4 | 6 Days | 01 Nov 2022 | 05 Nov 2022 | 4 | 05 Nov 2022 |
| Sprint-3 | 5 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 5 | 12 Nov 2022 |
| Sprint-4 | 4 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 4 | 19 Nov 2022 |

1. **CODING & SOLUTIONING**

**7.1Feature 1**

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1. **TESTING**

Acceptance Testing

UAT Execution & Report Submission

|  |  |
| --- | --- |
| D ate | 13 November 2022 |
| Team ID | PMT2022TMID16931 |
| Project Name | News Tracker Application |
| Minimum Marks | 4 Marks |

* + 1. Purpose of Document

The purpose of this document is to briefly explain the lest coverage and open issues of the [Product Name] project at the time of the User Acceptance Testing (UAT).

* + 1. Defect Analysis

This report shows the number of resolved or closed bugs at e ach severity level, and how they were resolved

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Res olution | Severity 1 | Severity 2 | Severity 3 | Seventyd |  |
| By Desig n | 10 |  | 2 |  | 20 |
| Duplicate |  | 0 |  | 0 | 4 |
|  | 2 |  | 0 | 1 |  |
| Fixed | 11 | 2 |  | 20 | 37 |
| Nol Reproduced | 0 | 0 | 1 | 0 | 1 |
| Skipped | 0 | 0 | 1 | 1 | 2 |
| Want Fix | 0 | 5 | 2 | 1 |  |
| Totals | 24 | 14 | 13 | zs | 77 |

* + 1. Test Case Analysis

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sectic•n  Print Engine Glienl Application | Total Ca see-    51 | Not Tested  0 | Fail  0 | Pass  7 |
| Security | 2 | 0 | 0 | 2 |
| Outsource Shipping |  | 0 | 0 | 3 |

Excaption Reporting

Final Report Dwlpwl 4

Ve rsion Control 2

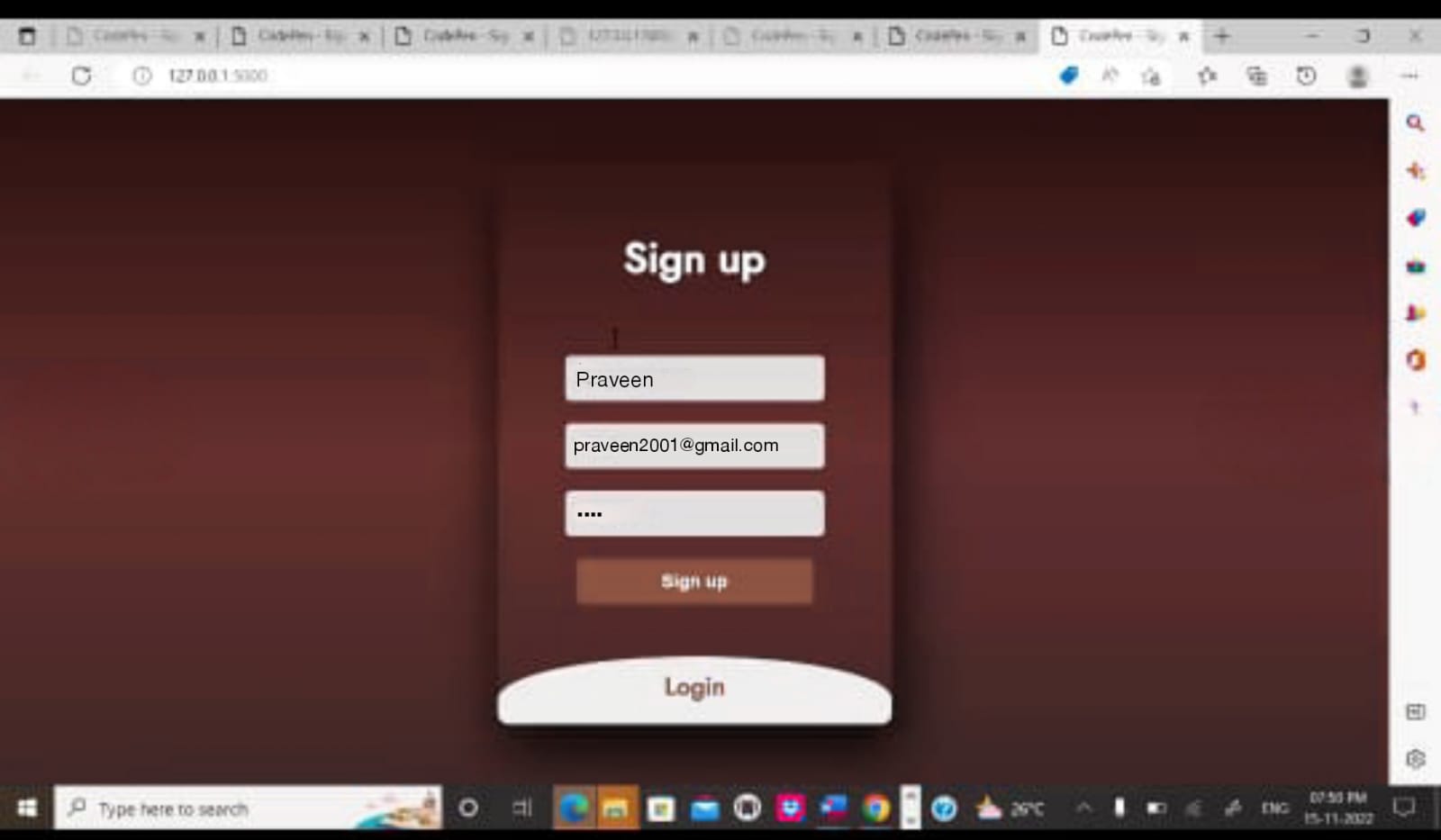
0 0 9

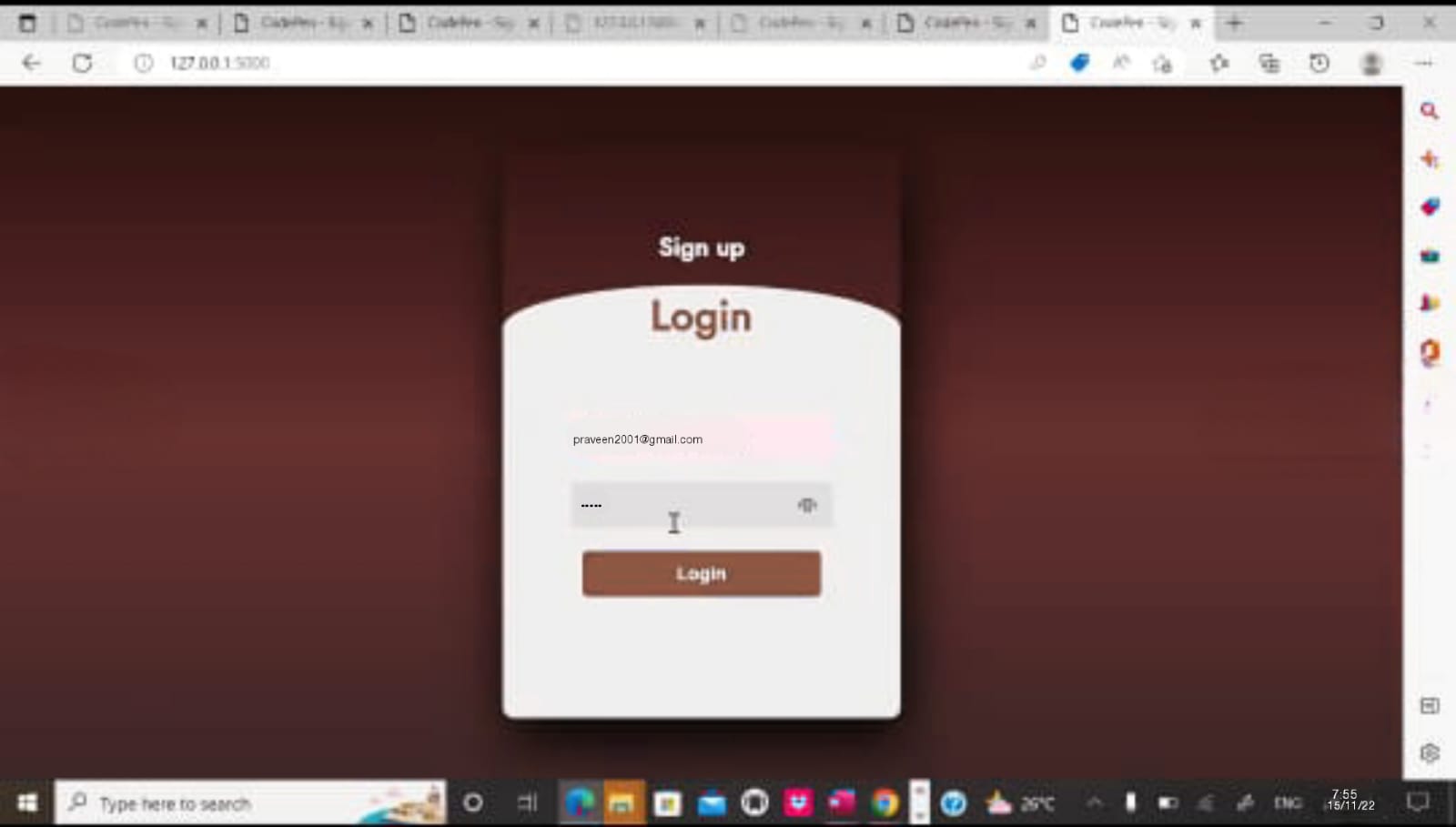
0 0 4

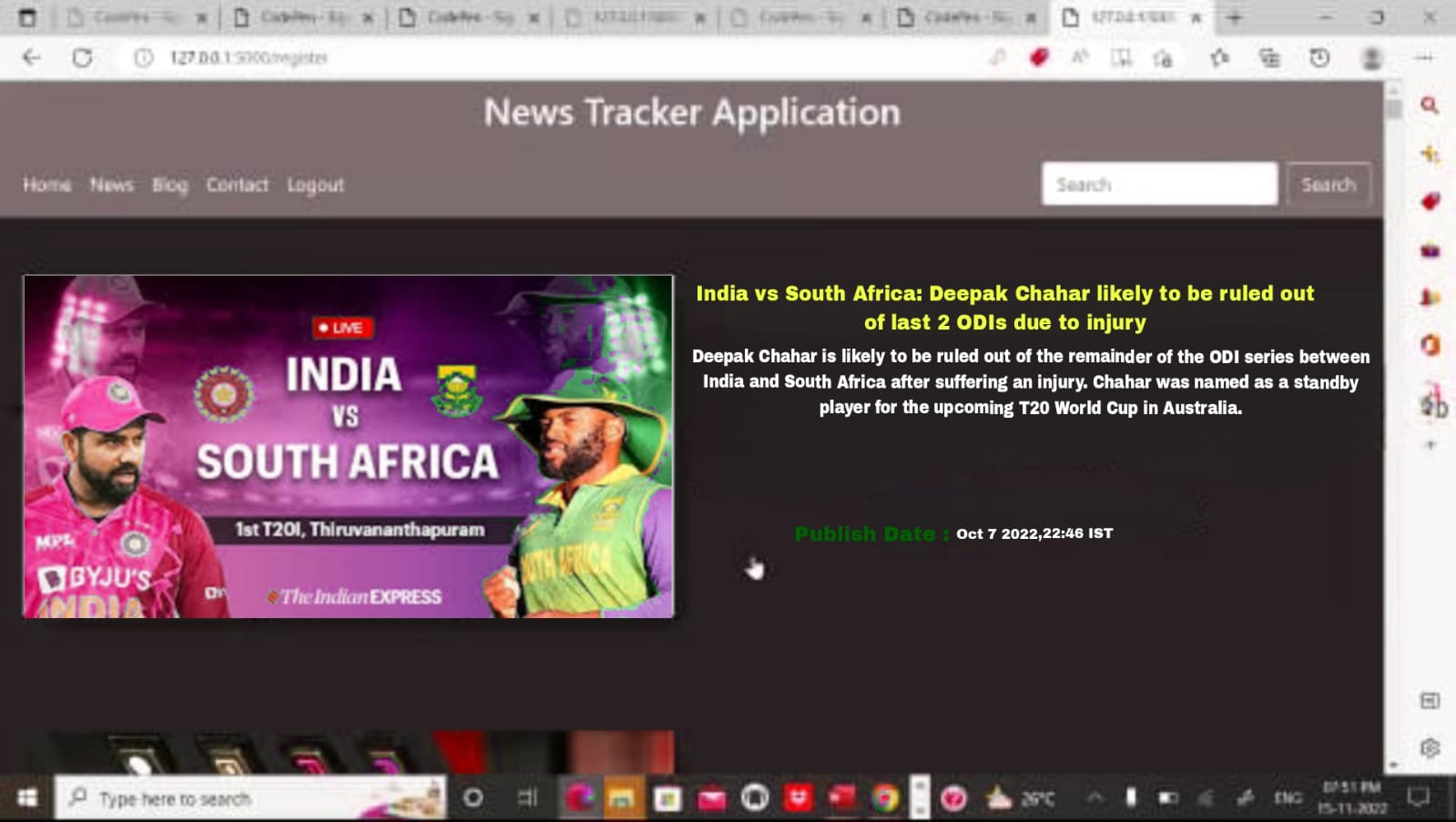
0 0 2

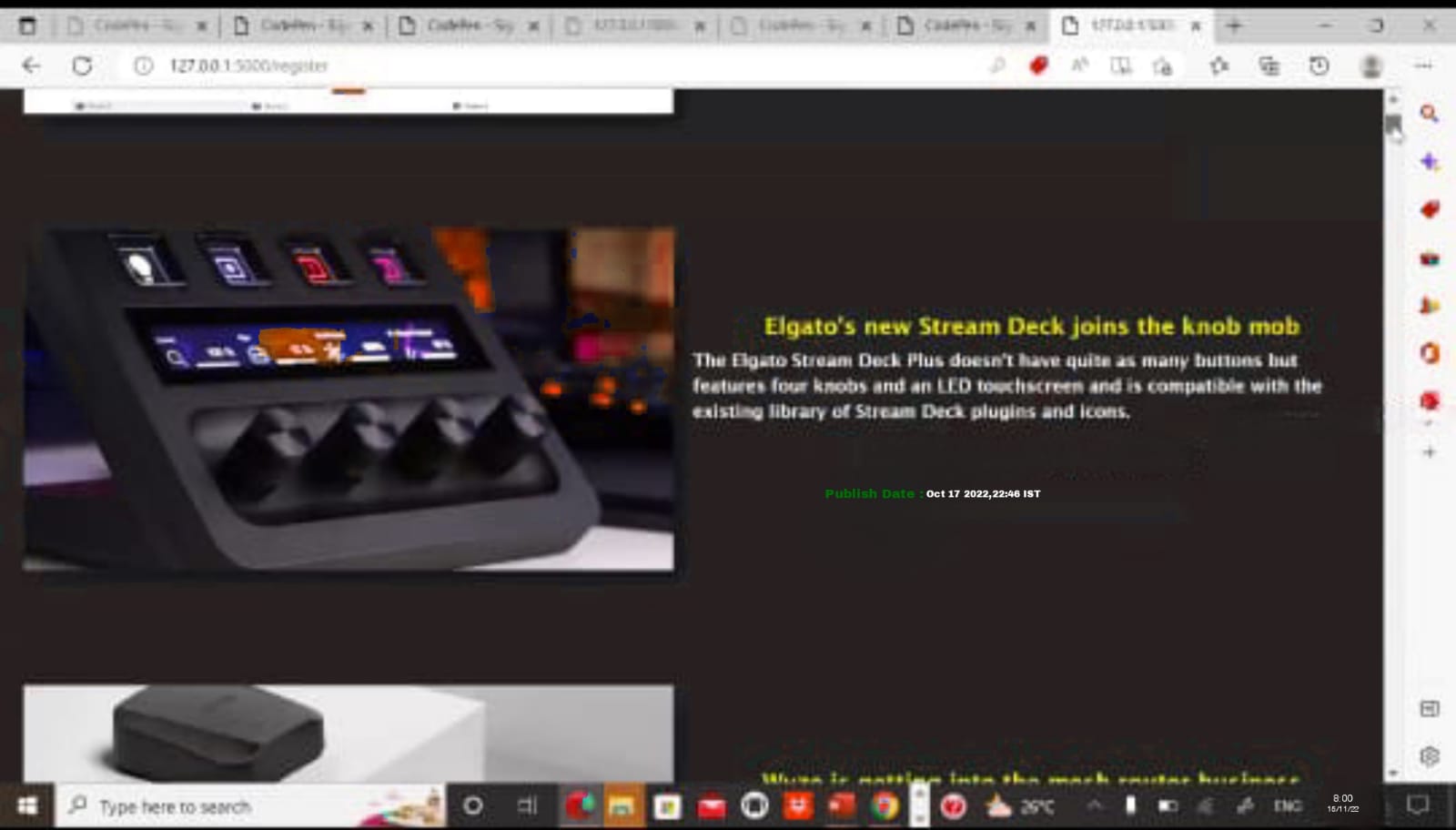
# RESULTS

* 1. **Performance Metrics**

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****

****

****

# 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

# 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" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">**

**</head>**

**<body>**

**<nav class="bg-dark">**

**<a href="/" class="logo"><h2>News Tracker Application</h2></a>**

**</nav>**

**<nav class="navbar navbar-expand-lg bg-dark">**

**<div class="container-fluid">**

**<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">**

**<a class="nav-link text-light" href="#">Contact</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-primary" type="submit">Search</button>**

**</form>**

**</div>**

**</div>**

**</nav>**

**<section id="main" class="bg-secondary">**

**{% 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(77, 255, 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>**

**About.html**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="utf-8">**

**<meta name="viewport" content="width=device-width,initial-scale=1">**

**<title>About Page</title>**

**<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta2/dist/css/bootstrap.min.css" rel="stylesheet">**

**</head>**

**<body>**

**<nav class="navbar navbar-expand-lg bg-light" style="background-color: #e3f2fd;">**

**<!-- Navbar content -->**

**<div class="container-fluid">**

**<div class="collapse navbar-collapse" id="navbarNavAltMarkup">**

**<div class="navbar-nav">**

**<a class="nav-link active" aria-current="page" href="#">Home</a>**

**<a class="nav-link" href="{{url\_for('about')}}">About</a>**

**<a class="nav-link" href="{{url\_for('signin')}}">SignIn</a>**

**<a class="nav-link" href="{{url\_for('signup')}}">SignUp</a>**

**</div>**

**</div>**

**</div>**

**</nav>**

**<br><br>**

**<div>**

**<h4>**

**<b>Welcome to IBM!!!</B>**

**<p>The International Business Machines Corporation (IBM) is an American multinational technology corporation headquartered in Armonk, New York, with operations in over 171 countries. The company began in 1911, founded in Endicott, New York, by trust businessman Charles Ranlett Flint, as the Computing-Tabulating-Recording Company (CTR) and was renamed "International Business Machines" in 1924. IBM is incorporated in New York.</p>**

**<p>Currently we are the students of B E computer science and engineering in sethu institute of technology we have a knowledge on web development and currently we are ready to collbarate with opensource projects and working on node js.</p>**

**</h4>**

**</div>**

**</body>**

**</html>**

**Signin.html**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="utf-8">**

**<meta name="viewport" content="width=device-width,initial-scale=1">**

**<title>SignIn</title>**

**<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta2/dist/css/bootstrap.min.css" rel="stylesheet">**

**</head>**

**<body>**

**<nav class="navbar navbar-expand-lg bg-light" style="background-color: #e3f2fd;">**

**<!-- Navbar content -->**

**<div class="container-fluid">**

**<div class="collapse navbar-collapse" id="navbarNavAltMarkup">**

**<div class="navbar-nav">**

**<a class="nav-link " href="{{url\_for('home')}}">Home</a>**

**<a class="nav-link" href="{{url\_for('about')}}">About</a>**

**<a class="nav-link active" aria-current="page" href="#">SignIn</a>**

**<a class="nav-link" href="{{url\_for('signup')}}">SignUp</a>**

**</div>**

**</div>**

**</div>**

**</nav>**

**<div class="text-center my-5"**

**style="background-image: url('https://png.pngtree.com/thumb\_back/fh260/background/20200714/pngtree-modern-double-color-futuristic-neon-background-image\_351866.jpg');**

**background-repeat: no-repeat;**

**background-size: cover;">**

**<section class="h-100">**

**<div class="container h-100">**

**<div class="row justify-content-sm-center h-100">**

**<div class="col-xxl-4 col-xl-5 col-lg-5 col-md-7 col-sm-9">**

**<div class="text-center my-5"></div>**

**<div class="card shadow-lg">**

**<div class="card-body p-5">**

**<h1 class="fs-4 card-title fw-bold mb-4">Login</h1>**

**<form method="POST" class="needs-validation" novalidate="" autocomplete="off">**

**<div class="mb-3">**

**<label class="mb-2 text-muted" for="email">E-Mail Address</label>**

**<input id="email" type="email" class="form-control" name="email" value=""**

**required autofocus>**

**<div class="invalid-feedback">**

**Email is invalid**

**</div>**

**</div>**

**<div class="mb-3">**

**<div class="mb-2 w-100">**

**<label class="text-muted" for="password">Password</label>**

**<a href="forgot.html" class="float-end">**

**Forgot Password?**

**</a>**

**</div>**

**<input id="password" type="password" class="form-control" name="password"**

**required>**

**<div class="invalid-feedback">**

**Password is required**

**</div>**

**</div>**

**<div class="d-flex align-items-center">**

**<div class="form-check">**

**<input type="checkbox" name="remember" id="remember"**

**class="form-check-input">**

**<label for="remember" class="form-check-label">Remember Me</label>**

**</div>**

**<button type="submit" class="btn btn-primary ms-auto">**

**Login**

**</button>**

**</div>**

**</form>**

**</div>**

**<div class="card-footer py-3 border-0">**

**<div class="text-center">**

**Don't have an account? <a href="{{url\_for('signup')}}" class="text-dark">Create**

**One</a>**

**</div>**

**</div>**

**</div>**

**</div>**

**</div>**

**</div>**

**</section>**

**</div>**

**</body>**

**</html>**

**Signup.html**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="utf-8">**

**<meta name="viewport" content="width=device-width,initial-scale=1">**

**<title>SignUp</title>**

**<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta2/dist/css/bootstrap.min.css" rel="stylesheet">**

**</head>**

**<body>**

**<nav class="navbar navbar-expand-lg bg-light" style="background-color: #e3f2fd;">**

**<!-- Navbar content -->**

**<div class="container-fluid">**

**<div class="collapse navbar-collapse" id="navbarNavAltMarkup">**

**<div class="navbar-nav">**

**<a class="nav-link " href="{{url\_for('home')}}">Home</a>**

**<a class="nav-link" href="{{url\_for('about')}}">About</a>**

**<a class="nav-link" href="{{url\_for('signin')}}">SignIn</a>**

**<a class="nav-link active" aria-current="page" href="#">SignUp</a>**

**</div>**

**</div>**

**</div>**

**</nav>**

**<div class="text-center my-5"**

**style="background-image:url('https://png.pngtree.com/thumb\_back/fh260/background/20200714/pngtree-modern-double-color-futuristic-neon-background-image\_351866.jpg');**

**background-repeat: no-repeat;**

**background-size: cover;">**

**<section class="h-100">**

**<div class="container h-100">**

**<div class="row justify-content-sm-center h-100">**

**<div class="col-xxl-4 col-xl-5 col-lg-5 col-md-7 col-sm-9">**

**<div class="text-center my-5"></div>**

**<div class="card shadow-lg">**

**<div class="card-body p-5">**

**<h1 class="fs-4 card-title fw-bold mb-4">Register</h1>**

**<form method="POST" class="needs-validation" novalidate="" autocomplete="off">**

**<div class="mb-3">**

**<label class="mb-2 text-muted" for="name">Name</label>**

**<input id="name" type="text" class="form-control" name="name" value="" required**

**autofocus>**

**<div class="invalid-feedback">**

**Name is required**

**</div>**

**</div>**

**<div class="mb-3">**

**<label class="mb-2 text-muted" for="email">E-Mail Address</label>**

**<input id="email" type="email" class="form-control" name="email" value=""**

**required>**

**<div class="invalid-feedback">**

**Email is invalid**

**</div>**

**</div>**

**<div class="mb-3">**

**<label class="mb-2 text-muted" for="password">Password</label>**

**<input id="password" type="password" class="form-control" name="password"**

**required>**

**<div class="invalid-feedback">**

**Password is required**

**</div>**

**</div>**

**<p class="form-text text-muted mb-3">**

**By registering you agree with our terms and condition.**

**</p>**

**<div class="align-items-center d-flex">**

**<button type="submit" class="btn btn-primary ms-auto">**

**Register**

**</button>**

**</div>**

**</form>**

**</div>**

**<div class="card-footer py-3 border-0">**

**<div class="text-center">**

**Already have an account? <a href="{{url\_for('signin')}}" class="text-dark">Login</a>**

**</div>**

**</div>**

**</div>**

**</div>**

**</div>**

**</div>**

**</section>**

**</div>**

**</body>**

**</html>**

**App.py**

**from flask import Flask,render\_template,request**

**from newsapi import NewsApiClient**

**from cloudant.client import Cloudant**

**from cloudant.error import CloudantException**

**from cloudant.result import Result, ResultByKey**

**import http.client**

**conn = http.client.HTTPSConnection("real-time-news-data.p.rapidapi.com")**

**headers = {**

**'X-RapidAPI-Key': "29716e7ef6msh1b72b8d74762ee3p1cae99jsnc9896aed6b7e",**

**'X-RapidAPI-Host': "real-time-news-data.p.rapidapi.com"**

**}**

**conn.request("GET", "/top-headlines?country=IN&lang=en", headers=headers)**

**res = conn.getresponse()**

**data = res.read()**

**app = Flask(\_\_name\_\_)**

**@app.route("/news")**

**def news():**

**api\_key = '29716e7ef6msh1b72b8d74762ee3p1cae99jsnc9896aed6b7e'**

**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(myDatabaseDemo.all\_docs, include\_docs=True)**

**if(len(result\_collection) == 0):**

**return False**

**for data in result\_collection:**

**if data['doc']['userName'] == str(userName):**

**return False**

**if data['doc']['userEmail'] == str(userEmail):**

**return False**

**return True**

**@app.route("/register",methods = ['POST', 'GET'])**

**def registerUserData():**

**userName = request.form.get("un", False)**

**userEmail = request.form.get("ue", False)**

**userPassword = request.form.get("up", False)**

**if(authenticate(userName=userName,userEmail=userEmail)):**

**return render\_template("index.html")**

**addNewUser(userName,userEmail,userPassword)**

**return render\_template("home.html")**

**@app.route("/" )**

**def home():**

**return render\_template("index.html")**

**if \_\_name\_\_ == '\_\_main\_\_':**

**app.run(debug=True)**

**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;**

**}**

**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://img.freepik.com/free-vector/tv-news-studio-television-broadcast-room-interior-with-round-table-earth-globe-screen-video-channel-studio-with-newscaster-desk-lighting-equipment-cartoon-vector-illustration\_107791-7862.jpg?w=1380&t=st=1668777610~exp=1668778210~hmac=b725c8219ad3c7e49caa927c294293bf1cf18ee956a18b5d1c36b221f9d591b8") 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);**

**}**

**Github Link**

[**https://github.com/IBM-EPBL/IBM-Project-35861-1660289430**](https://github.com/IBM-EPBL/IBM-Project-35861-1660289430)