



NEWS TRACKER APPLICATION

USING CLOUD

A Project report submitted in partial fulfilment of 7th semester in degree Of

**BACHELOR OF ENGINEERING
IN**

COMPUTER SCIENCE AND ENGINEERING

Submitted By

Team ID: PNT2022TMID33312

Team Members:

Team Leader	Dharani D	922519104029
Team Member 01	Furshana Fathima S	922519104042
Team Member 02	Deepika P	922519104025
Team Member 03	Divya S	922519104038



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ANNA UNIVERSITY COLLEGE OF ENGINEERING,
ARIYALUR**

ANNA UNIVERSITY: CHENNAI 600025

NOV-2022

V.S.B ENGINEERING COLLEGE, KARUR
(Approved by AICTE & Affiliated by Anna University, Chennai)



BONAFIDE CERTIFICATE

Certified that this project report “**NEWS TRACKER APPLICATION**” is the Bonafide record work done by **Ms DHARANI D (922519104029)**, **Ms FURSHANA FATHIMA S (922519104042)**, **Ms DEEPIKA P (922519104025)**, and **Ms DIVYA S (922519104038)** for **IBM-NALAIYATHIRAN** in **VII** semester of **B.E.**, degree course in **Computer Science and Engineering** branch during the academic year of 2022 – 2023.

Staff-In Charge

Senthil Kumar K

Evaluator

Gunasekaran P

Head of the Department

Mr. Anbumani P

ACKNOWLEDGEMENT

First and foremost, we express my thanks to our parents for providing us a very nice environment for doing this mini project. We wish to express our sincere thanks to our founder and Chairman **Shri.V.S.BALSAMY** for his endeavour in educating us in this premier institution.

We wish to express our appreciation and gratefulness to our principal, **Dr.V.NIRMAL KANNAN** and vice principal **Mr.T.S.KIRUBASANKAR** for their encouragement and sincere guidance.

We are grateful to our head of the department **Mr.P.ANBUMANI** and our IBM Nalaiyathiran project coordinator **Mr.P.GUNASEKARAN** Department of Computer Science and Engineering for their valuable support.

We express our indebtedness to the supervisor of our IBM Nalaiyathiran project, **Mr.P.GUNASEKARAN** Assistant Professor, Department of Computer Science and Engineering, for guidance throughout the course of our project.

Our sincere thanks to all the teaching staff of V.S.B Engineering College and our friends for their help in the successful completion of this IBM Nalaiyathiran project work. Finally, we bow before God, the Almighty who always had a better plan for us. We give our praise and glory to Almighty God for successful completion of this IBM Nalaiyathiran.

ABSTRACT

A news application is a major intelligent data set that recounts a report. Think about it like you would some other piece of news coverage. It simply utilizes programming rather than words and pictures. As our lives are exceptionally bustling nowadays, we frequently feel we want in excess of 24 hours. a day to adapt up to all that we have in our timetable. Indeed, that is unrealistic yet diminishing the time by changing the traditional strategy for pursuing news can help. Simply let us know what market news you're keen on and get a fast look for the afternoon. Just read what you feel is applicable and save your time. Paper is one of the most well known and required resources of our regular routines.

Also, in the present rushed world, perusing paper has become one of the conventional approaches to perusing the news. With the news being made consistently and handed-off through television, radio and web, the refreshed news is now old by the following morning. Furthermore, that is the reason paper and magazine distributors are battling to stay aware of the speed. Change is required and distributors should embrace versatility.

TABLE OF FIGURES

1. INTRODUCTION

1.1 Project Overview

1.2 Purpose

- 2. LITERATURE SURVEY**
 - 2.1 Existing problem
 - 2.2 References
 - 2.3 Problem Statement Definition
- 3. IDEATION & PROPOSED SOLUTION**
 - 3.1 Empathy Map Canvas
 - 3.2 Ideation & Brainstorming
 - 3.3 Proposed Solution
 - 3.4 Problem Solution fit
- 4. REQUIREMENT ANALYSIS**
 - 4.1 Functional requirement
 - 4.2 Non-Functional requirements
- 5. PROJECT DESIGN**
 - 5.1 Data Flow Diagrams
 - 5.2 Solution & Technical Architecture
 - 5.3 User Stories
- 6. PROJECT PLANNING & SCHEDULING**
 - 6.1 Sprint Planning & Estimation
 - 6.2 Sprint Delivery Schedule
 - 6.3 Reports from JIRA
- 7. CODING & SOLUTIONING**
 - 7.1 Feature 1
 - 7.2 Feature 2
 - 7.3 Database Schema (if Applicable)
- 8. TESTING**
 - 8.1 Test Cases
 - 8.2 User Acceptance Testing
- 9. RESULTS**
 - 9.1 Performance Metrics
- 10. ADVANTAGES & DISADVANTAGES**
- 11. CONCLUSION**
- 12. FUTURE SCOPE**
- 13. APPENDIX**

Source Code GitHub & Project Demo Link

NEWS TRACKER APPLICATION

1.INTRODUCTION

The client wanted to create a solution to facilitate work for media professionals through a location-based assignment management tool. The main challenge was to create a system on which journalists and other staff remained connected, and could locate or contact each other swiftly to relay stories faster. We built NewsTracker to collect a variety of sources of misinformation on Facebook and aggregate the stories published so that we could have a clearer sense of the different types of misinformation out there. We wanted to know how frequently it was published and what strategies and narratives were employed to engage audiences on Facebook.

1.1 PROJECT OVERVIEW

The project's goal is to create an application that will show news items and videos that have been reviewed and approved at the back end. The user can search through many categories of news articles and videos. Users will be able to view news details, photographs, and video using the app. Any news story or video can be bookmarked by users for later use. At the backend of the programme, there will be three different types of users. The admin manager will have complete access to all backend capabilities, including user and content management. The only

other users who will have limited access to backend functions are reporters and editors. While reporters will be responsible for writing news articles and producing news videos, editors will be in charge of approving and publishing the reporters' articles and films.

1.2 PURPOSE

- A news application grants you to assemble data in regards to the clients' way of behaving and interests and further develop it to sort out happy relying upon the singular's necessities. Assuming that you follow a few major distributors, you can see that their news applications are only a versatile rendition of their destinations. Online News Destinations assume a huge part in teaching and illuminating Mass with the most up to date refreshes, current happenings all over the planet. Individuals don't have undeniably additional opportunity to peruse the Printed paper with the previous happening so they generally follow online interfaces or Electronic Media for getting the most recent News.

2.LITERATURE SURVEY

2.1 EXISTING PROBLEM

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. There is also a lot of fake news which gets shared. This application contains too many ads,

unwanted pop up messages and takes long time to load a particular content which makes customer feels frustrated and disappointed to use.

2.2 REFERENCES

1. Lu, L., & Zhang, H. J. (2002, December). Speaker change detection and tracking in real-time news broadcasting analysis. In Proceedings of the tenth ACM international conference on Multimedia (pp. 602-610).
2. Gnimpieba, Z. D. R., Nait-Sidi-Moh, A., Durand, D., & Fortin, J. (2015). Using cloud computing technologies for a collaborative supply chain: Application to tracking of pallets and containers. *Procedia Computer Science*, 56, 550-557
3. Aksoy, C., Can, F., & Kocerberber, S. (2012). Novelty detection for topic tracking. *Journal of the american society for information science and technology*, 63(4), 777-795
4. Haley, A. D., Powell, B. J., Walsh-Bailey, C., Krancari, M., Groß, I., Shea, C. M., ... & Gold, R. (2021). Strengthening methods for tracking adaptations and modifications to implementation strategies. *BMC Medical Research Methodology*, 21(1), 1-12. 5
5. Liu, B., Chen, Y., Blasch, E., Pham, K., Shen, D., & Chen, G. (2014). A holistic cloud-enabled robotics system for real-time video tracking application. In *Future Information Technology* (pp. 455-468). Springer, Berlin, Heidelberg.

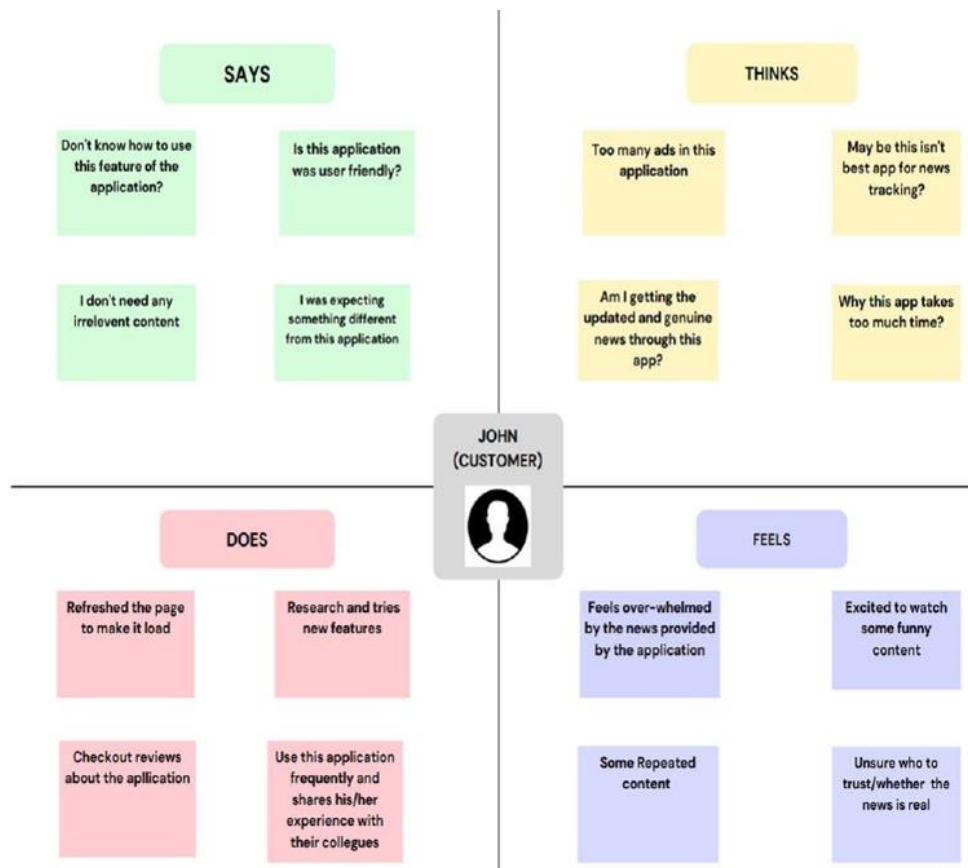
2.3 PROBLEM STATEMENT DEFINITION

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. This application contains too many ads, unwanted pop up messages and takes long time to load a particular content which makes customer feels frustrated and disappointed to use. Customer requirements to peruse news so as to not need to stress over truly purchasing actual papers or conveying with her wherever she needs. She wants something which ought to fit in the center of her

hands, which he could convey all over the place, access from all over, something computerized, simple to utilize, simple to deal with, for example, an Application in light of the web which could be gotten to from any gadget that is associated with the Web. For example, cell phones and PCs.

3.IDEATION & PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS



3.2 IDEATION & BRAINSTROMING

2

Brainstorm

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

🕒 10 minutes

Dharani D

Make regular follow-ups

Provide alternative channel

Chatbots for user problem

Subscribe to traditional news sources

Furshana Fathima s

Provide email for customer

Use a Virtual Private Network (VPN)

Create an bot

Brick by Brick discussion

Deepika P

Provide links in the menu box

Provide a funny content more

Create list to manage our feed

Engage industry influencers

Divya S

View the post uploaded by the editor

Apply filters to our news tracking

Quick Respond to customer

Improve customer support

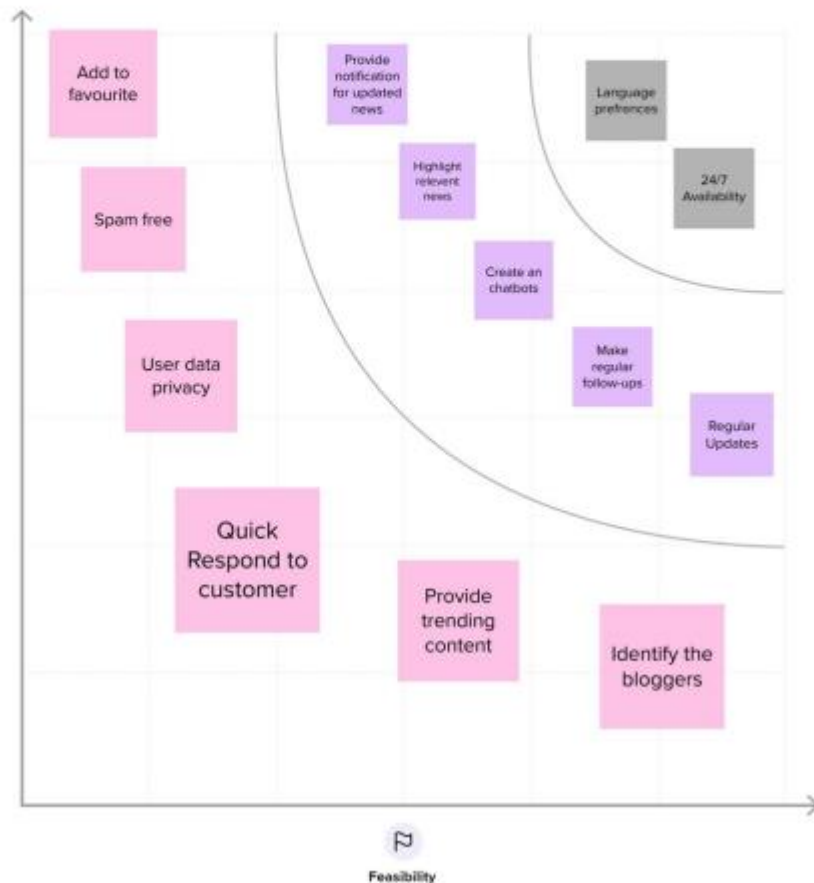
Step-3: Idea Prioritization

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

**3.3 PROPOSED SOLUTION**

S. No.	Parameter	Description
--------	-----------	-------------

1.	Problem Statement (Problem to be solved)	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. This application contains too many ads, unwanted pop up messages and takes long time to load a particular content which makes customer feels frustrated and disappointed to use.
2.	Idea / Solution description	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. We provide alternative channel like chat bots , email for user problems , Make regular follow-ups and makes user friendly application.
3.	Novelty / Uniqueness	Due to changes brought about by the pandemic, people started depending on the news a lot to get updates about the situation around them. With the rise of cloud-based applications, integration of UX into these applications can not only grow your user base but also play a crucial role in increasing performance we would add the content through the User Interface designing part
4.	Social Impact / Customer Satisfaction	User friendly application, the customer expect relevant news avoiding spam, fake, irrelevant news. They expect better application performance and faster response to their feedback.

5.	Business Model (Revenue Model)	Making the business model strong leads to an ongoing business profit leading to increase in cash reserve and new investments. An app revenue model is an important element of a company concept or business plan, which should be completed before entering the development phase. Banner advertising, paid promotions, sponsored news, promoted content, campaign sponsorships, and subscription are just a few of the methods by which a news channel app may generate income.
6.	Scalability of the Solution	This model focuses on sharing and updating news instantly without any intermediary. The measure of a system's ability to increase or decrease in performance and cost in response to changes in application.

3.4 PROBLEM SOLUTION FIT

Problem-Solution fit canvas 2.0 Purpose / Vision

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) Who is your customer? User People	6. CUSTOMER What constraints prevent your customers from taking action or limit their choices of solutions? i.e. Slow response time, sources, quality, network connection, available devices.	5. AVAILABLE SOLUTIONS Which solutions are available to the customers when they face the problem or need to get the job done? What pros & cons do these solutions have? i.e. provide alternative channel like chatbot, email for user problems. Make regular follow-ups.	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEMS Which jobs-to-be-done (or problems) do you address for your customers? Different view of customer and their satisfaction, explore different sides.	9. PROBLEM ROOT CAUSE What is the real reason that this problem exists? What is the back story behind the need to do this job? Customers are not able to access the even sources so they need.	7. BEHAVIOUR What does your customer do to address the problem and get the job done? i.e. Using the chatbot, Email the customer can address the issue with the application. It provides advanced report and analytics.	
Focus on J&P, tap into BE, understand RC	3. TRIGGERS What triggers customers to act? i.e. seeing their neighbor installing the application, Hearing a comment user friendly application through their friends.	10. YOUR SOLUTION 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. We provide alternative channel like chat bot, email for user problems. Make regular follow-ups and makes user friendly application. With the rise of cloud-based applications, integration of UX into these applications can not only grow your user base but also play a crucial role in increasing performance we would add the content through the User Interface designing part.	8. CHANNELS of BEHAVIOUR ONLINE What kind of actions do customers take online? Extract online channels from #7 OFFLINE What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.	Extract online & offline CH of BE
	4. EMOTIONS: BEFORE / AFTER How do customers feel when they face a problem or a job and afterwards? i.e. lost, insecure > confident, in control - use it in your communications strategy & design.			

Identify strong TR & EM

4.REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENTS

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement(Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	<ul style="list-style-type: none"> ➤ Registration through Form ➤ Registration through Gmail
FR-2	User Confirmation	<ul style="list-style-type: none"> ➤ Confirmation via Email ➤ Confirmation via OTP
FR-3	Searching	<ul style="list-style-type: none"> ➤ User can search the new based on their interest ➤ Trending news will pop up on home page ➤ By using favorites option user can extractspecific domain ➤ By using save option user can read it when theyneed
FR-4	Real time News	<ul style="list-style-type: none"> ➤ User can see the Genuine news withConstant update ➤ Auto update news since it bring news from API ➤ By measuring the number of comments we cananalyze the genuine feedback
FR-5	Location based	<ul style="list-style-type: none"> ➤ User can see the news close to their area ➤ User can track the news by choosingpreferred location
FR-6	User friendly	<ul style="list-style-type: none"> ➤ By using chat bots user can easily address theirqueries ➤ Cost free application for user ➤ User can publish their own articles ➤ User can add images to their articles

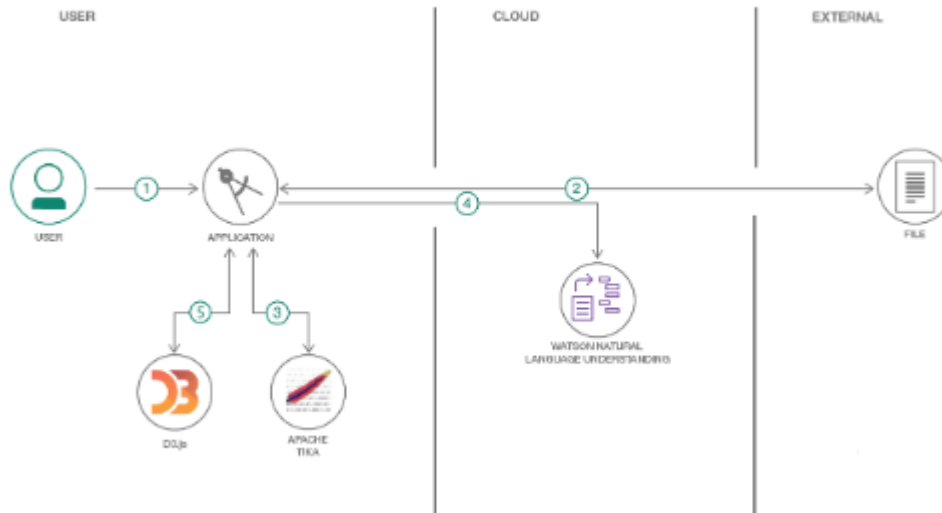
4.2 NON – FUNCTIONAL REQUIREMENTS

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none"> ➤ The news is refreshed consistently, in this unending news stream, the client ought to constantly be capable view precisely data that interest him/her right now.
NFR-2	Security	<ul style="list-style-type: none"> ➤ Authentication and password management by saved password ➤ During the remark, numerous clients can be discourteous or horrible, so obviously, it worth reasoning of calculations that will permit you to hinder hostile remarks, as well as spam.
NFR-3	Reliability	<ul style="list-style-type: none"> ➤ Instant news at instant time ➤ This application do not encourage the fake news
NFR-4	Performance	<ul style="list-style-type: none"> ➤ Keep users In-App for longer with related post ➤ There is no too many ads and pop-ups because of user friendly API ➤ Keep your user's attention with list views
NFR-5	Availability	<ul style="list-style-type: none"> ➤ User can search the news and get use of it whenever they need because of 24/7 availability ➤ History of the previous news that happened before related to the present news
NFR-6	Scalability	<ul style="list-style-type: none"> ➤ Get more user's by encouraging social sharing ➤ By suggesting this application to others will get more user

5.PROJECT DESIGN

5.1 DATA FLOW DIAGRAM



5.2 SOLUTION & TECHNICAL ARCHITECTURE

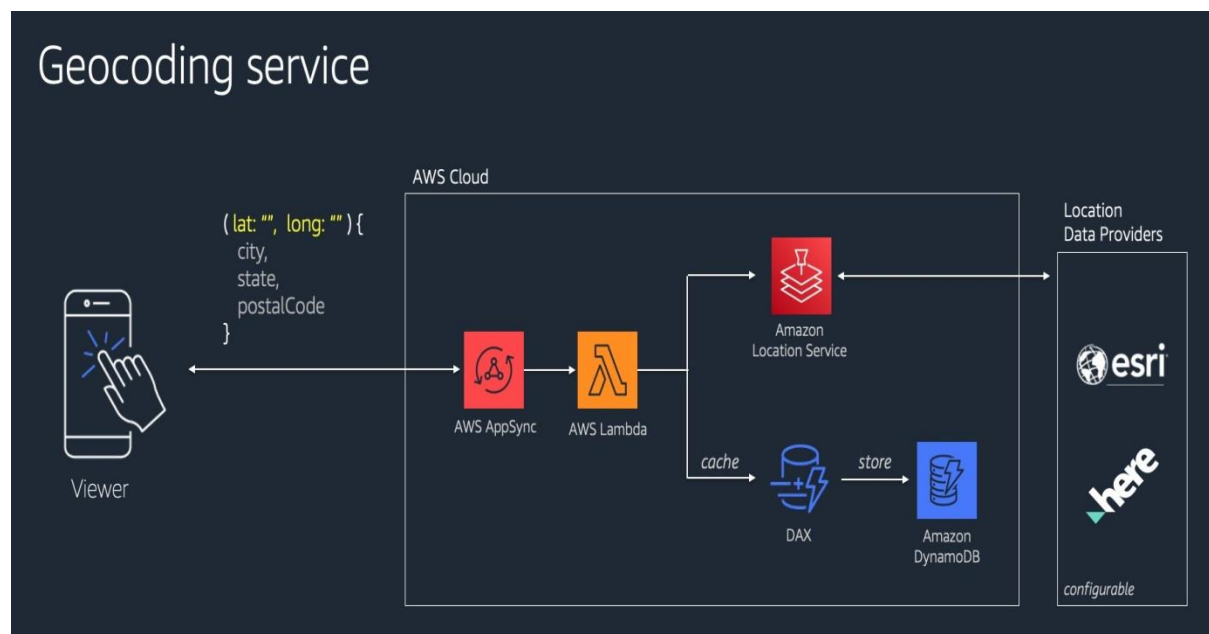


Table-1 : Components & Technologies

S. No	Component	Description	Technology
1.	User Interface	User interacts with application with ease of use and most handy environment with minimum effort on user to receive maximum effort	HTML, CSS, JavaScript
2.	Application Logic-1	This application starts with login page where user sign up or sign in web application	Java / Python
3.	Application Logic-2	User enters personal data to update their Account profile where IBM watson stt service used to convert audio to text that is user can fill their detail by voice assistance	IBM Watson STT service
4.	Application Logic-3	User can view news content based on dates and places where chat bot is used there to filter content	IBM Watson Assistant
5.	Database	User data gets stored in database for lateral purposes	My SQL
6.	Cloud Database	Here Database Service are used in IBM DB2. Using this users can access all the data stored in cloud through network from any accessible device	IBM DB2, IBM Cloudant
7.	File Storage	Users personal data and last visited news content are get stored in IBM block storage	IBM Block Storage
8.	ExternalAPI-1	Application used IBM Weather to get exact weather report as it is one of the mandatory news content	IBM WeatherAPI
9.	Infrastructure (Cloud)	Application Deployment on Cloud for faster and flexible performance over the internet	AWS Cloud

Table-2: Application Characteristics

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Here this application is light weight application using flask (python) as a backend development	Flask(Python)
2.	Security Implementations	Application contains user personal information, login credentials, transaction details are protected and kept confidential using data protection in IBM cloud	IAM in IBM cloud
3.	Scalable Architecture	Here application runs 24/7 as it is scalable where size is everything. so flask is used to perform web application quickly	Flask(Python)
4.	Availability	Application functions properly and will justified requirements .It can be accessible anytime	Technology used – Nginx, HaProxy, Avi Vantage Software Load Balancer
5.	Performance	Application trace every request and building blocks efficiently for better performance	CPU Usage, Memory Usage, Latency and Up-Time

6. PROJECT PLANNING & SHEDULING

6.1 SPRINT PLANNING & ESTIMATION

Title	Description	Date	Completed / In Progress
Literature Survey	Literature survey on the selected project & gathering information by referring the, technical papers, research publications etc.	2 nd September 2022	Completed
Prepare Empathy Map	Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements	7 th September 2022	Completed

Ideation Brain Storming	List the by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance.	15 th September 2022	Completed
Proposed Solution	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.	23 rd September 2022	Completed
Problem Solution Fit	Prepare solution architecture document.	27 th September 2022	Completed
Solution Architecture	Prepare solution architecture document.	30 th September 2022	Completed
Customer Journey	Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit).	5 th October 2022	Completed
Solution Requirement	Prepare the functional requirement document	12 th October 2022	Completed
Data Flow Diagrams	Draw the data flow diagrams and submit for review.	15 th October 2022	Completed

Technology Architecture	Prepare the technology architecture diagram.	16 th October 2022	Completed
Prepare Milestone & Activity List	Prepare the milestones & activity list of the project.	21 st October 2022	Completed
Project Development - Delivery of Sprint-1, 2, 3 & 4	Develop & submit the developed code by testing it.	-	In Progress

6.2 SPRINT DELIVERY SHEDULE

Product Backlog, Sprint Schedule, and Estimation (4Marks)

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.	20	High	Dharani D Furshana Fathima
Sprint-2	Login	USN-2	As a user, I can log into the application by entering email &	10	Medium	Deepika P Divya S
Sprint-3	Reset my password	USN-3	As a logged in user, If I forget my password I can reset my password.	20	Medium	Deepika P Dharani D
Sprint-4	Comment	USN-4	As a logged user, I can post a comment about an application	20	Medium	Divya S Furshana Fathima

Project Tracker, Velocity & Burn down Chart: (4Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date(Planned)	Story Points Completed (as on PlannedEndDate)	Sprint Release Date(Actual)
Sprint-1	20	7Days	24Oct 2022	29Oct 2022	20	29Oct 2022
Sprint-2	20	6 Days	31Oct 2022	05Nov 2022	20	05Nov 2022
Sprint-3	20	6 Days	07Nov 2022	12Nov 2022	20	12Nov 2022
Sprint-4	20	6Days	14Nov 2022	19Nov 2022	20	19Nov 2022

6.3 REPORTS FROM JIRA

News Tracker ApplicationPNT2022TMID33312

The image displays two screenshots of the Jira Software interface for the 'News Tracker Application' project.

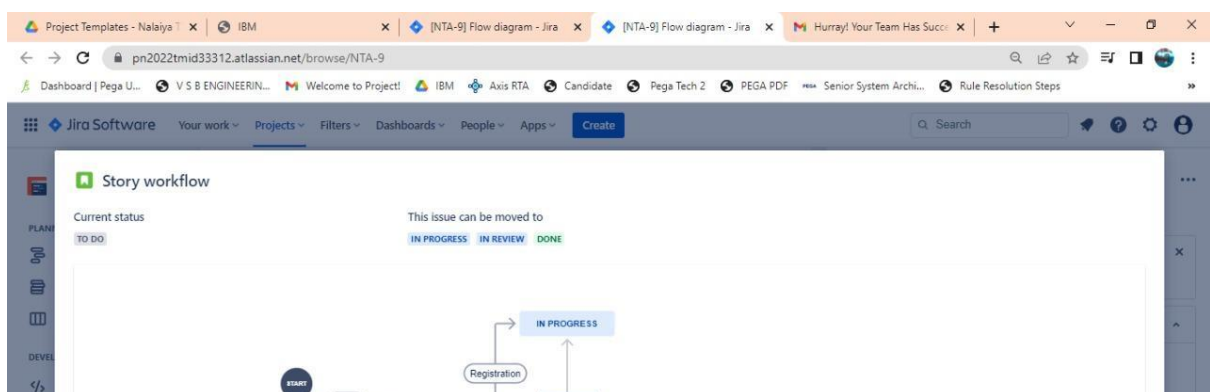
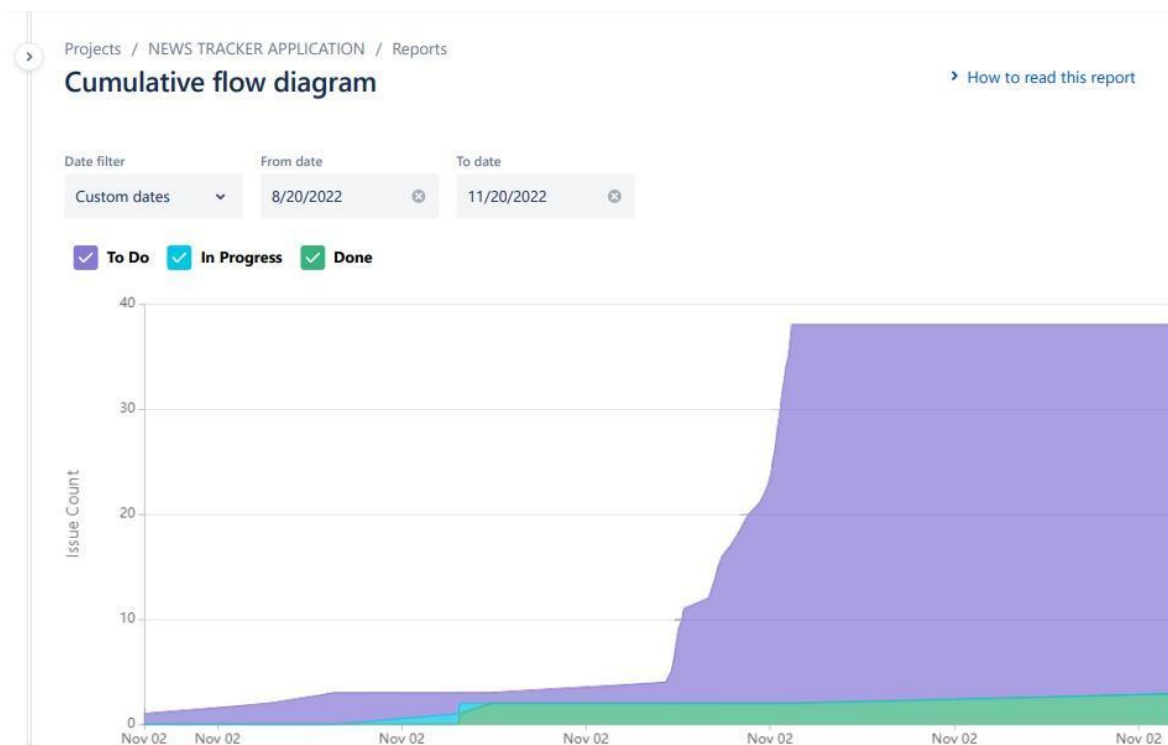
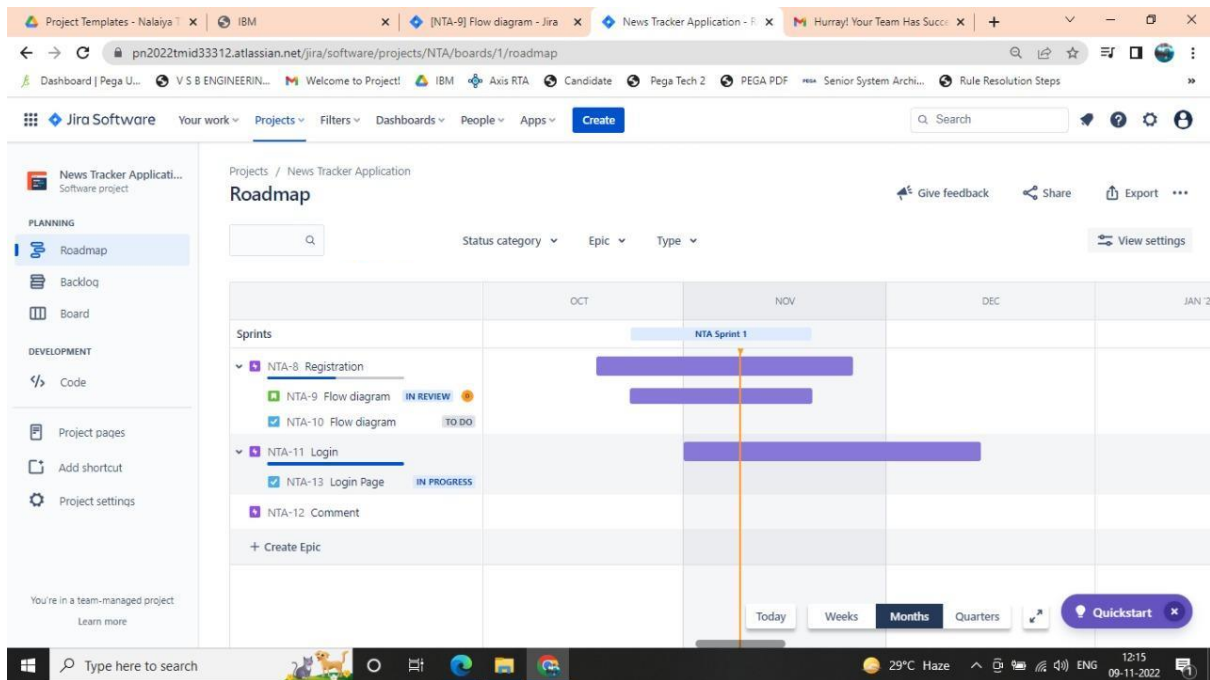
Top Screenshot: NTA Sprint 1 Board

- Project:** News Tracker Application
- Sprint:** NTA Sprint 1 (7 days remaining)
- Columns:**
 - TO DO 2 ISSUES:**
 - NTA-4: As a logged user, I can post a comment about an application.
 - NTA-9: Flow diagram
 - IN PROGRESS 1 ISSUE:**
 - NTA-2: As a user, I can log into the application by entering email and password.
 - IN REVIEW 1 ISSUE:**
 - NTA-1: As a user, I can register for the application by entering my email, password, and confirming my password.
 - DONE:** (Empty)

Bottom Screenshot: Backlog View

- Project:** News Tracker Application
- View:** Backlog
- Issues:**
 - NTA Sprint 1 (24 Oct - 19 Nov):**
 - NTA-1: As a user, I can register for the application by entering my email, password, and confirming my password. (IN REVIEW)
 - NTA-2: As a user, I can log into the application by entering email and password. (IN PROGRESS)
 - NTA-4: As a logged user, I can post a comment about an application. (TO DO)
 - NTA-9: Flow diagram. (IN REVIEW)
 - Backlog:**
 - NTA-3: As a logged in user, if I forget my password I can reset my password. (TO DO)
 - NTA-5: As a user, I can log into the application by entering email and password through web. (TO DO)
 - NTA-10: Flow diagram. (TO DO)

News Tracker ApplicationPNT2022TMID33312



7.CODING & SOLUTIONS

Login.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>Log in</title>

    <link rel="Stylesheet" href="login.css">

    <h1> Successfully registered !!</h1>

  </head>

  <body>

    <section class="login">

      <div class="signup">

        <form action="">

          <p style="color: white; font-size:30px;">New To News Tracking
Application?</p>

          <button form action="signup.html">Signup</button>

        </form>

      </div>
```



```
<div class="login_box">

<div class="left">

  <div class="contact">

    <form action="">

      <h3>Sign In</h3>

      <input type="text" placeholder="U s e r N a m e">

      <input type="password" placeholder="P a s s c o d e">

      <button class="submit" form action="news.html">L o g i
n</button>

    </form>

  </div>

</div>

<div class="right">

  <div class="right-text">

    <h2>News Tracker</h2>

    <h5>All News In Your Hand!</h5>

    <h5>News available on anytime !!</h5>

  </div>

</div>

</section>

</body>

</html>
```

LOGIN.CSS

```
img{  
  
    width: 100%;  
  
}  
  
.login {  
  
    height: 1000px;  
  
    width: 100%  
  
    background-image:url("news.jpeg");  
  
    position: relative;  
  
}  
  
.login_box {  
  
    width: 1050px;  
  
    height: 600px;  
  
    position: absolute;  
  
    top: 50%;  
  
    left: 50%;  
  
    transform: translate(-50%,-50%);  
  
    background: #fff;  
  
    border-radius: 10px;  
  
    box-shadow: 1px 4px 22px -8px #0004;  
  
    display: flex;  
  
    overflow: hidden;
```

```
}
```

```
.login_box .left{
```

```
    width: 41%;
```

```
    height: 100%;
```

```
    padding: 25px 25px;
```

```
}
```

```
.login_box .right{
```

```
    width: 59%;
```

```
    height: 100%
```

```
}
```

```
.left .top_link a {
```

```
    color: #452A5A;
```

```
    font-weight: 400;
```

```
}
```

```
.left .top_link{
```

```
    height: 20px
```

```
}
```

```
.left .contact{
```

```
    display: flex;
```

```
    align-items: center;
```

```
    justify-content: center;
```

```
    align-self: center;

    height: 100%;

    width: 73%;

    margin: auto;
}

.left h3{

    text-align: center;

    margin-bottom: 40px;

    font-family: Georgia, serif;

    font-size: 250%;

}

.left input {

    border: none;

    width: 80%;

    margin: 15px 0px;

    border-bottom: 1px solid #4f30677d;

    padding: 7px 9px;

    width: 100%;

    overflow: hidden;

    background: transparent;

    font-weight: 600;

    font-size: 110%;
```

```
}  
  
.left{  
  
    background: linear-gradient(-45deg, #dcd7e0, #fff);  
  
}  
  
.submit {  
  
    border: none;  
  
    padding: 15px 70px;  
  
    border-radius: 8px;  
  
    display: block;  
  
    margin: auto;  
  
    cursor: pointer;  
  
    margin-top: 120px;  
  
    background: #583672;  
  
    color: #fff;  
  
    font-weight: bold;  
  
    -webkit-box-shadow: 0px 9px 15px -11px rgba(88,54,114,1);  
    -moz-box-shadow: 0px 9px 15px -11px rgba(88,54,114,1);  
    box-shadow: 0px 9px 15px -11px rgba(88,54,114,1);  
  
}  
  
.right {
```

```
background: linear-gradient(212.38deg, rgb(255 0 96 / 92%) 0%,
rgba(27, 124, 237, 1) 100%),url(https://img.republicworld.com/republic-
prod/stories/promolarge/xhdpi/6yhtbp5s6npfw8td_1589275289.jpeg) no-repeat;

background-size: cover;

color: #fff;

position: relative;

}
```

```
.right .right-text{

height: 100%;

position: relative;

transform: translate(0%, 45%);

}
```

```
.right-text h2{

display: block;

width: 100%;

text-align: center;

position: center;

transform: translate(0%, -150%);

font-size: 50px;

font-weight: 500;

}
```

```
.right-text h5{  
  
    display: block;  
  
    width: 100%;  
  
    text-align: center;  
  
    position: center;  
  
    transform: translate(0%, -400%);  
  
    font-size: 19px;  
  
    font-weight: 400;  
  
}
```

```
.right .right-inductor{  
  
    position: absolute;  
  
    width: 70px;  
  
    height: 7px;  
  
    background: #fff0;  
  
    left: 50%;  
  
    bottom: 70px;  
  
    transform: translate(-50%, 0%);  
  
}
```

```
.top_link img {  
  
    width: 28px;
```

```
padding-right: 7px;

margin-top: -3px;
}

.signup{

display: flex;

float: right;

flex-direction: column;

margin:800px 500px 50px 55px;

font-size=50px;

}

.signup > form > button{

border: none;

padding: 30px 100px;

border-radius: 8px;

display: block;

margin-top: 15px;

float: right;

background: #11daae;

cursor: pointer;

color: #fff;

font-weight: bold;
```



```
font-size=50px;

-webkit-box-shadow: 0px 9px 15px -11px rgba(242, 57, 127, 0.7);

-moz-box-shadow: 0px 9px 15px -11px rgba(175, 70, 189, 0.71);

box-shadow: 0px 9px 15px -11px rgba(242, 57, 127, 0.7);

}

.signup > form > h5{

font-weight: bold;

float: left;

color: white;

margin-right: 15px;

font-size=50px;

}
```

NEWS.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>News Feed - All in One</title>

<link rel="stylesheet" href="news.css">

</head>

<body>

  <nav>

    <div class="Logo">

      <ul>

      </ul>

    </div>

    <div class="menu">

      <ul>

        <li> <a href="news.html"> Home</a></li>

        <li> <a href="#"> About</a></li>

      </ul>

      <div class="user">

        <div class="user-info">
```

```
</div>
```

```
</div>
```

```
</ul>
```

```
</div>
```

```
</nav>
```

```
<hr width="900%" style="border: 3px solid #f20f0f; margin-top: 10px;margin-bottom: 20px;">
```

```
<div class="container">
```

```
<div class="card">
```

```
<div class="card-header">
```

```

```

```
</div>
```

```
<div class="card-body">
```

```
<a href = "https://www.hindustantimes.com/india-news"><span  
class="tag tag-purple">Weather</span></a>
```

<h4>

 These are India's most polluted cities. 7 of 10 are from Bihar

</h4>

<p>

FGhaziabad fared better in the first half of November this year as the average air quality index (AQI) levels have remained on the lower side compared to the last six years with the least number of “severe” days during the first thirteen days of the current month.

</p>

</div>

</div>

<div class="card">

<div class="card-header">

</div>

<div class="card-body">

Politics

<h4>

Mamata Banerjee Apologises For Trinamool Minister's Comments On President

</h4>

<p>

West Bengal BJP MLAs marched to the Raj Bhavan this afternoon in protest against the distasteful comments by Trinamool minister Akhil Giri on the President of India.

</p>

</div>

</div>

```
<div class="card">

  <div class="card-header">

  </div>

  <div class="card-body">

    <a href = "https://www.hindustantimes.com/india-news"><span
class="tag tag-purple">India News</a>

    <h4>

      <a href="https://www.hindustantimes.com/india-news/pm-modi-in-
bali-for-g20-summit-bilateral-meetings-with-top-world-leaders-
101668436708550.html" target=_blank>In Bali, PM Modi meets Indians, to
attend G20 Summit with top world leaders</a>

    </h4>

    <p>
```

The two-day G20 Summit begins on Tuesday, and will be attended by US President Joe Biden and British Prime Minister Rishi Sunak among heads from 20 countries and the European Union who make up the group.

</p>

</div>

</div>

<div class="card">

<div class="card-header">

</div>

<div class="card-body">

Inside
- TN

<h4>

AIADMK Created By Cadres, No One Can Divide It: O Pannerselvam

</h4>

<p>

Expelled All India Anna Dravida Munnetra Kazhagam (AIADMK) leader and former chief minister of Tamil Nadu O Pannerselvam today said that AIADMK is an organization which was created by cadres and it should function with unity.</p>

</div>

</div>

<div class="card">

<div class="card-header">

</div>

<div class="card-body">

Weather 360°

<h4>

Isolated Rains Over Rajasthan, Andhra, Karnataka; Tamil Nadu, Kerala In For Thunderstorms

</h4>

<p>

Widespread rains and thunderstorms with isolated heavy falls are likely over Andaman and Nicobar Islands. Fairly widespread rainfall with thunderstorms may lash Tamil Nadu, Puducherry and Karaikal. Dense fog is possible over Central India early in the morning. </p>

</div>

</div>

<div class="card">

<div class="card-header">

</div>

<div class="card-body">

Trending Today

`<h4>9 Indians Killed In Maldives Fire: Report</h4>`

`<p>`

Officials said 10 bodies were recovered from the upper floor of a building destroyed in the fire, which swept through the cramped lodgings of foreign workers. At least 10 people were killed and several others injured Thursday when a fire swept through cramped lodgings of foreign workers in the Maldives capital Male, the fire service said.

`</p>`

`</div>`

`</div>`

`</body>`

`</html>`

NEWS.CSS

@import

url("https://fonts.googleapis.com/css2?family=Roboto&display=swap");

* {

box-sizing: border-box;

```
}

body {

  display: absolute;

  justify-content: center;

  align-items: center;

  margin: 0;

  background-color: #f7f8fc;

  font-family: "Roboto", sans-serif bold;

  color: #10182f;

}

img {

  border-radius: 4px;

  padding: 5px;

  width: 100px;

}

nav{

  display: flex;
```

```
    align-items: center;

    justify-content: space-between;
}

ul{

    display: flex;

}

li{

    list-style: none;

    margin: 1rem;

    margin-right: 25px;

    margin-left: 25px ;

}

a{

    text-decoration: none;

    color: rgb(49, 49, 47);

}
```

```
a:hover {  
  
    text-decoration: none;  
  
    color: #daa800;  
  
    opacity: 0.8;  
  
    transition: 1s;  
  
}  
  
.container {  
  
    display: flex;  
  
    width: 1040px;  
  
    justify-content: space-evenly;  
  
    flex-wrap: wrap;  
  
}  
  
.card {  
  
    margin: 10px;  
  
    background-color: #fee2ff;  
  
    border-radius: 10px;  
  
    box-shadow: 0 2px 20px rgba(0, 0, 0, 0.2);
```

```
overflow: hidden;  
  
width: 300px;  
  
height: 460px;  
  
}
```

```
.card-header img {  
  
width: 100%;  
  
height: 200px;  
  
object-fit: cover;  
  
}
```

```
.card-body {  
  
display: flex;  
  
flex-direction: column;  
  
justify-content: center;  
  
align-items: flex-start;  
  
padding: 20px;  
  
min-height: 250px;  
  
}
```

```
.tag {  
  
    background: #cccccc;  
  
    border-radius: 50px;  
  
    font-size: 12px;  
  
    margin: 0;  
  
    color: #fff;  
  
    padding: 2px 10px;  
  
    text-transform: uppercase;  
  
    cursor: pointer;  
  
}
```

```
.tag-teal {  
  
    background-color: #15bfc2;  
  
}
```

```
.tag-purple {  
  
    background-color: #e8570e;  
  
}
```

```
.tag-purple1 {  
  
  background-color: #139427;  
  
}
```

```
.tag-pink {  
  
  background-color: #cf0ec8;  
  
}
```

```
.tag-cyan{  
  
  background-color: #e30b16;  
  
}
```

```
.tag-aas{  
  
  background-color: #1d2bc4;  
  
}
```

```
.card-body p {  
  
  font-size: 13px;  
  
  margin: 0 0 40px;  
  
}
```



```
.user {  
  
    display: flex;  
  
    margin-top: auto;  
  
    margin-right: 20px;  
  
    margin-top: 5px;  
  
}
```

```
.user img {  
  
    border-radius: 500%;  
  
    width: 40px;  
  
    height: 40px;  
  
    margin-right: 10px;  
  
}
```

```
.user-info h5 {  
  
    margin: 1;  
  
    margin-top: 5px;  
  
}
```

```
.user-info small {  
  
    color: black;  
  
}
```

REGISTER.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>Form Styling</title>  
  
    <link  
  
        href="<link  
  
href="https://fonts.googleapis.com/css2?family=Raleway:wght@300&display=  
swap"  
  
        rel="stylesheet"  
  
    />
```

```
<style>
```

```
*{
```

```
    box-sizing: border-box;
```

```
    margin: 0;
```

```
    padding:0;
```

```
}
```

```
body {
```

```
    font-family: 'Raleway', sans-serif ;
```

```
    background-color: #344a72;
```

```
    color:white;
```

```
    line-height: 1.8;
```

```
}
```

```
a {
```

```
    text-decoration:none;
```

```
}
```

```
#container{  
  
    margin: 30px auto;  
  
    max-width: 400px;  
  
    padding: x;  
  
}
```

```
.form-wrap {  
  
    background: #fff;  
  
    padding:15px 20px;  
  
    color:black;  
  
}
```

```
.form-wrap h1,
```

```
.form-wrap p{  
  
    text-align: center;  
  
}
```

```
.form-wrap .form-group {  
  
    margin-top: 15px;  
  
}
```

```
.form-wrap .form-group label{  
  
    display:block;  
  
    color:#666;  
  
}
```

```
.form-wrap .form-group input {  
  
    width:100%;  
  
    padding: 10px;  
  
    border:#ddd 1px solid;  
  
    border-radius:5px;  
  
}
```

```
.form-wrap button{
```

```
display:block;

background:#49c1a2;

width:100%;

padding:10px;

margin-top:20px;

color:#fff;

cursor:pointer;

}

.form-wrap button:hover {

background: green

}

.form-wrap .button text {

font-size:13px;

margin-top:20px;
```

```
}
```

```
footer {
```

```
    text-align:center;
```

```
    margin-top:10px;
```

```
}
```

```
footer a{
```

```
    color:#49c1a2
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div id="container">
```

```
<div class="form-wrap">
```

```
<h1>Sign Up</h1>
```

```
<p>It's free and only takes a minute</p>
```

```
<form>
```

```
<div class="form-group">
```

```
<label for="first-name">First Name</label>
```

```
<input type="text" name="firstname" id="first-name"/>
```

```
</div>
```

```
<div class="form-group">
```

```
<label for="last-name">Last Name</label>
```

```
<input type="text" name="lastname" id="last-name"/>
```

```
</div>
```

```
<div class="form-group">
```

```
<label for="email">Email</label>
```

```
<input type="email" name="email" id="email" placeholder="Enter an  
email address"/>
```

```
</div>
```

```
<div class="form-group">
```

```
<label for="password">Password</label>
```

```
<input type="password" name="password" id="password"/>
```


</div>

<div class="form-group">

<label for="password2">Confirm Password</label>

<input type="password" name="password2" id="password2"/>

</div>

<button type="submit" class="btn">Sign Up</button>

<p class="bottom-text">

Sign Up

By clicking the Sign Up button,you agree to our

Terms and Conditions and

Privacy Policy

</p>

</form>

</div>

<footer>

<p>

Already have an account?

Login Here

</p>

</footer>

</div>**-++

</body>

</html>

STYLE.CSS

@import

url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600&display=swap')

{

margin: 0;

padding: 0;

box-sizing: border-box;

font-family: "Poppins", sans-serif;

}

```
body{

    width: 100%;

    height: 100vh;

    display: flex;

    align-items: center;

    justify-content: center;

    background: #3853bf;

}

::selection{

    color: #fff;

    background: #3853bf;

}

.wrapper{

    width: 380px;

    padding: 40px 30px 50px 30px;

    background: #fff;

    border-radius: 5px;
```

```
text-align: center;
```

```
box-shadow: 10px 10px 15px rgba(0,0,0,0.1);
```

```
}
```

```
.wrapper header{
```

```
font-size: 35px;
```

```
font-weight: 600;
```

```
}
```

```
.wrapper form{
```

```
margin: 40px 0;
```

```
}
```

```
form .field{
```

```
width: 100%;
```

```
margin-bottom: 20px;
```

```
}
```

```
form .field.shake{
```

```
animation: shake 0.3s ease-in-out;
```

```
}
```

```
@keyframes shake {
```

```
  0%, 100% {
```

```
    margin-left: 0px;
```

```
  }
```

```
  20%, 80% {
```

```
    margin-left: -12px;
```

```
  }
```

```
  40%, 60% {
```

```
    margin-left: 12px;
```

```
  }
```

```
}
```

```
form .field .input-area{
```

```
  height: 50px;
```

```
  width: 100%;
```

```
  position: relative;
```

```
}
```

```
form input{
```

width: 100%;

height: 100%;

outline: none;

padding: 0 45px;

font-size: 18px;

background: none;

caret-color: #5372F0;

border-radius: 5px;

border: 1px solid #bfbfbf;

border-bottom-width: 2px;

transition: all 0.2s ease;

}

form .field input:focus,

form .field.valid input{

border-color: #5372F0;

}

form .field.shake input,

```
form .field.error input{  
  
  border-color: #dc3545;  
  
}
```

```
.field .input-area i{  
  
  position: absolute;  
  
  top: 50%;  
  
  font-size: 18px;  
  
  pointer-events: none;  
  
  transform: translateY(-50%);  
  
}
```

```
.input-area .icon{  
  
  left: 15px;  
  
  color: #bfbfbf;  
  
  transition: color 0.2s ease;  
  
}
```

```
.input-area .error-icon{  
  
  right: 15px;
```

```
    color: #dc3545;

}

form input:focus ~ .icon,

form .field.valid .icon{

    color: #5372F0;

}

form .field.shake input:focus ~ .icon,

form .field.error input:focus ~ .icon{

    color: #bfbfbf;

}

form input::placeholder{

    color: #bfbfbf;

    font-size: 17px;

}

form .field .error-txt{

    color: #dc3545;

    text-align: left;
```



```
    margin-top: 5px;

}

form .field .error{

    display: none;

}

form .field.shake .error,

form .field.error .error{

    display: block;

}

form .pass-txt{

    text-align: left;

    margin-top: -10px;

}

.wrapper a{

    color: #5372F0;

    text-decoration: none;

}
```

```
.wrapper a:hover{

    text-decoration: underline;

}

form input[type="submit"]{

    height: 50px;

    margin-top: 30px;

    color: #fff;

    padding: 0;

    border: none;

    background: #5372F0;

    cursor: pointer;

    border-bottom: 2px solid rgba(0,0,0,0.1);

    transition: all 0.3s ease;

}

form input[type="submit"]:hover{

    background: #2c52ed;

};
```

8. TESTING

8.1 Test Cases

	A	B	C	D	E	F	G	H	I
1	PNT2022TMID33312								
2	Project - News Tracker Application								
3	4 marks								
4									
5	Test case	Feature Type	Component	Test Scenario	Test Data	Expected Result	Actual Result	Status	Comments
6	Sign in	Functional	Login Page	Verify user is able to see the Login/Signup popup when user clicked on My account button		Can Visible	Yes Visible	Pass	
7	Signup	Functional	Login Page	Verify User Can See the Sign-Up Option		Sign up should display	Working as expected	Pass	
8	Forgot password	Functional	Login Page	Verify User has the Option To forgot password	Username: ibm@gmail.com password: Testing123	Whether it is visible	Yes Visible	Pass	
9	Home page	Functional	Login page	Verify User Can See the Home page	Username: ibm@gmail.com password: Testing123	User should navigate to user account homepage	Yes Visible	Pass	
	Login	Functional	Login page	Verify User Can See the Login	Username: chalam@gmail.com password:	Login page should display	Yes Visible	Pass	

	Test case	Feature Type	Component	Test Scenario	Test Data	Expected Result	Actual Result	Status	Comments
14	Change password	Functional	Password change page	User can able to change the password if they have forgotten or the user's wish to reset it.		Change password will display	Yes Visible	Pass	
15	Comments	Functional	Change Page	User can able to change the password if they have forgotten or the user's wish to		Comments should display	Yes Visible	Pass	
16	About	Functional	About page	Shows the details of application page		Can visible	Yes Visible	Fail	Steps are not clear to fol
17	Base	Functional	Similar to home page	Able to access anywhere through this page		Can visible	Yes Visible	Pass	
	Categories	Functional	News Page	Display News For User		Can visible		Pass	

8.2 User Acceptance Testing

1. Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issues of the news tracker project at the time of the release to User Acceptance Testing (UAT).

2. DefectAnalysis

This reports how the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity1	Severity2	Severity3	Severity4	Subtotal
By Design	10	4	2	4	21
Duplicate	1	0	3	0	4
External	2	3	0	1	6
Fixed	11	2	4	20	37
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	1	2
Won'tFix	0	5	2	1	8
Totals	24	14	13	26	78

3. TestCaseAnalysis

This reports how the number of test cases that have passed, failed, and untested.

Section	TotalCases	Not Tested	Fail	Pass
PrintEngine	7	0	0	7
ClientApplication	43	0	0	43
Security	2	0	0	2
OutsourceShipping	1	0	0	1
ExceptionReporting	9	0	0	9
FinalReportOutput	4	0	0	4
VersionControl	2	0	0	2

9.Results

9.1 Performance Metrics

NFT - Risk Assessment						
S.No	Project Name	Scope/feature	Functional Changes	Hardware Changes	Software Changes	Impact of Downtime
1	News Tracking	Existing	Low	No Changes	Moderate	
2	News Tracking	New	Low	No Changes	High	
3	News Tracking	Existing	Low	No Changes	Moderate	
4	News Tracking	New	Low	No Changes	Moderate	
5	News Tracking	New	Low	No Changes	High	
NFT - Detailed Test Plan						
S.No	Project Overview		NFT Test approach		Assumptions/Dependencies/Risks	
1	LOGINPAGE		LOAD		Page slow down.It may not be accessible	
2	TASKASSIGN		STRESS		Might allot all tickets to one agent	

10. ADVANTAGES & DISADVANTAGES

With News tracking , you get insights into the performance of your business. News or media coverage, whether online or traditional, gets your message to a wider range of audiences and promotes brand awareness of your business. Being featured at an independent media like News gives credibility to the information. And by tracking what kind of credibility you have formed, you can work to bring the credibility you wish to build. Maintaining positive news increases positive credibility.

News mention is more powerful than an advertisement. Managing brand image by media tracking is an essential part of a successful business.

11. CONCLUSION

Digital news brings about economic change, which in some cases obliterate journalists' job prospects and professional security. Journalism speeds up, and journalists struggle to keep pace. Continually published updates on Twitter and online news streams force journalists onto a "hamster wheel" of news production, demanding frequent updates and preventing deep investigation and consideration of the topic at hand (Usher). While print journalism required

advertising dollars to sustain it, online journalism demands clicks to attract revenue, which shifts the orientation of journalism to “clickable,” consumable media. Scholars and commentators point out that journalism measured by web traffic privileges the production of aggregated news over original, well-researched articles.

12.FUTURE SCOPE

A mobile news app has simple goals: Capture and retain reader attention, and repeat the process, several times a day. Pretty straightforward. But not that simple in the real world. For a news provider, the smartphone screen is the the most challenging environment ever seen. There, chances are that a legacy media or a pure-player will find itself in direct competition, not only with the usual players in its field, but also with Facebook, Snapchat, Instagram and scores of gaming applications. Distraction is just one icon away; any weakness in functional or graphic design can be lethal.