



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

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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.

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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

Project Overview Purpose

2. LITERATURE SURVEY

Existing problem

References

Problem Statement Definition

3. IDEATION & PROPOSED SOLUTION

Empathy Map Canvas

Ideation & Brainstorming

Proposed Solution

Problem Solution fit

4. REQUIREMENT ANALYSIS

Functional requirement

Non-Functional requirements

5. PROJECT DESIGN

Data Flow Diagrams

Solution & Technical Architecture

User Stories

6. PROJECT PLANNING & SCHEDULING

Sprint Planning & Estimation

Sprint Delivery Schedule

Reports from JIRA

7. CODING & SOLUTIONING

Feature 1

Feature 2

Database Schema (if Applicable)

8. TESTING

Test Cases

User Acceptance Testing

9. RESULTS

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.

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.

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

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.

REFERENCES

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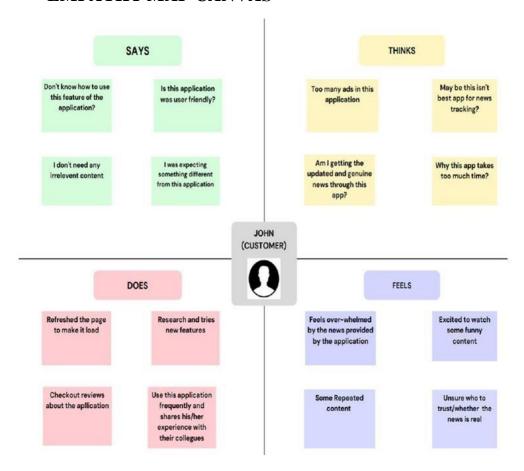
PROBLEM STATEMENT DEFINITION

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

EMPATHY MAP CANVAS



IDEATION & BRAINSTROMING



Brainstorm

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

Make

regular

follow-ups

Chatbots for

user

problem

10 minutes

Dharani D

Provide alternative channel

Subscribe to traditional news sources

Furshana Fathima s

Provide email for customer

Create an bot

Use a Virtual Private Network (VPN)

Brick by Brick discussion

Deepika P

Provide links in the menu box

Create list to manage our feed Provide a funny content more

Engage industry influencers

Divya S

View the post uploaded by the editor

Quick Respond to customer to our news tracking

Apply filters

Improve customer support

0 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. Add to favourite Spam free User data privacy Quick Respond to customer Provide trending content Identify the bloggers P

Step-3: Idea Prioritization

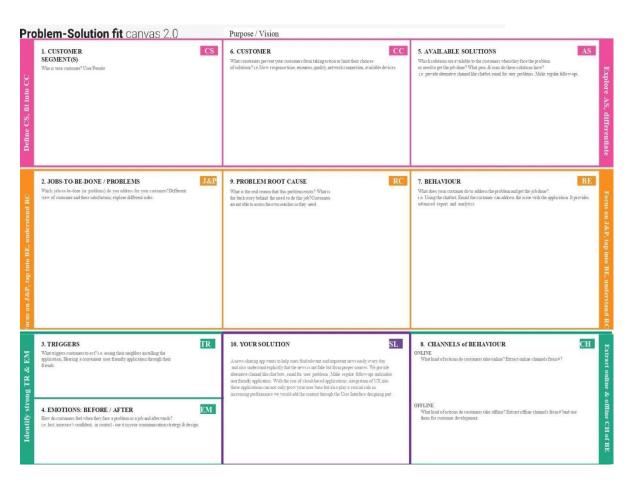
PROPOSED SOLUTION

S.	Parameter	Description
No.		

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	Making the business model strong
	Model)	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.

PROBLEM SOLUTION FIT



4.REQUIREMENT ANALYSIS

FUNCTIONAL REQUIREMENTS

Following are the functional requirements of the proposed solution.

FR	Functional	Sub Requirement (Story / Sub-Task)
No.	Requirement(Epic)	
FR-1	User Registration	Registration through Form
		Registration through Gmail
FR-2	User Confirmation	Confirmation via Email
		Confirmation via OTP
FR-3	Searching	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	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	> User can see the news close to their area
		User can track the news by
		choosingpreferred location
FR-6	User friendly	> 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

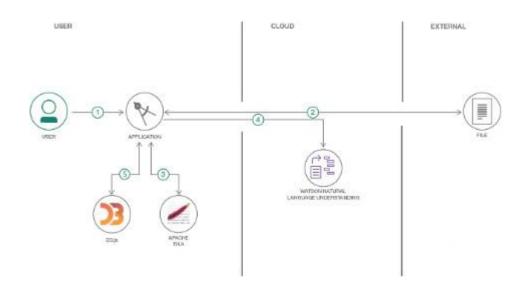
NON – FUNCTIONAL REQUIREMENTS

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

FR	Non-Functional	Description		
No.	Requirement			
NFR- 1	Usability	> 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-	Security	Authentication and password		
2		management bysaved password		
		During the remark, numerous clients		
		can bediscourteous or horrible, so		
		obviously, it worth reasoning of		
		calculations that will permit you to		
		hinder		
		hostile remarks, as well as spam.		
NFR-	Reliability	T.		
3	·	> Instant news at instant time		
		This application do not encourage		
		the fakenews		
NFR-	Performance	➤ Keep users In-App for longer with		
4		relatedpost		
		> There is no too many ads and pop-ups		
		becauseof user friendly API		
		Keep your user's attention with list		
NED	A 01 1 010,	views		
NFR- 5	Availability	➤ User can search the news and get		
3		use ofit whenever they need		
		because of 24/7 availability		
		➤ History of the previous news that		
		happened before related to the present news		
NFR-	Scalability	> Get more user's by encouraging		
6	_	socialsharing		
		> By suggesting this		
		application toothers will get		
		more user		
L				

5.PROJECT DESIGN

DATA FLOW DIAGRAM



SOLUTION & TECHNICAL ARCHITECTURE

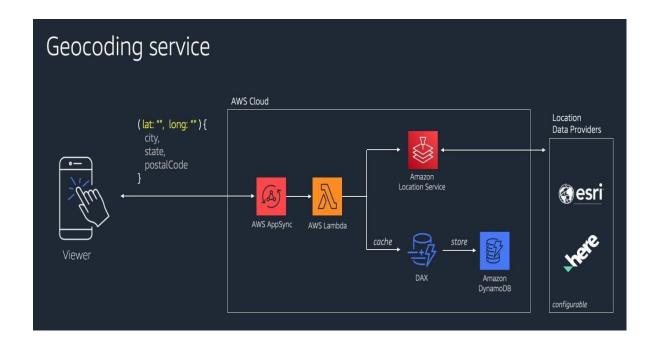


Table-1: Components & Technologies

S. No	Component	Description	Technology
1.	UserInterface	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.	External API-1	Application used IBM Weather to get exact weather report as it is one of the mandatory news content	IBM Weather API
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 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.	21st October 2022	Completed
Project Development - Delivery of Sprint-1, 2, 3 & 4	Develop & submit the developed code by testing it.	-	In Progress

SPRINT DELIVERY SHEDULE

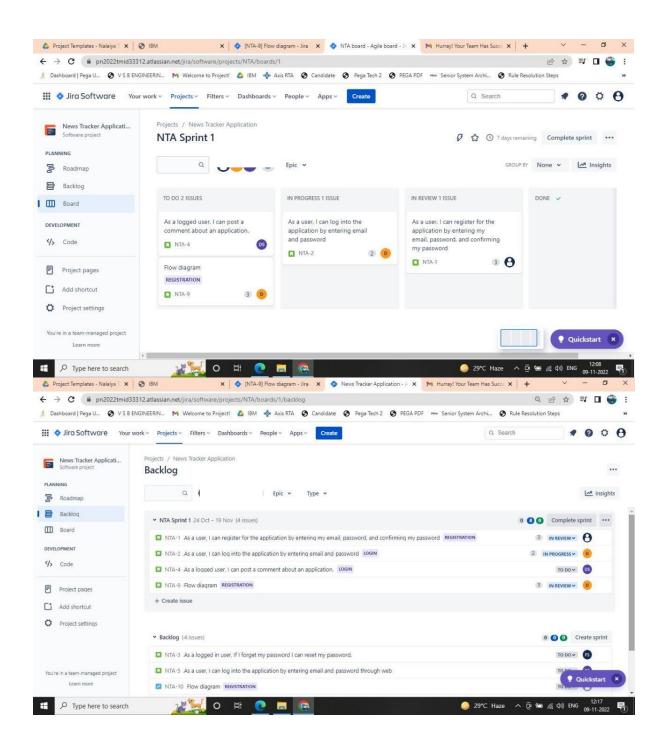
Product Backlog, Sprint Schedule, and Estimation (4Marks)

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

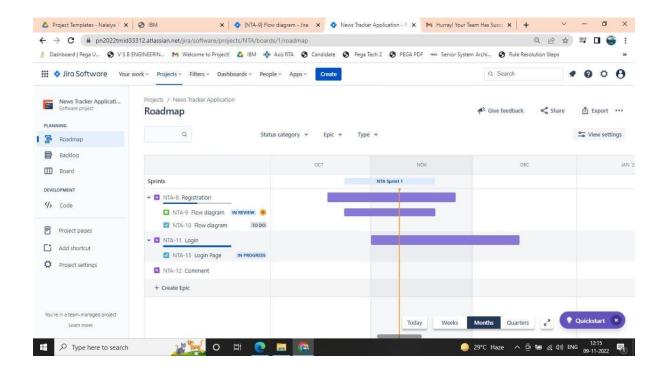
Project Tracker, Velocity & Burn down Chart: (4Marks)

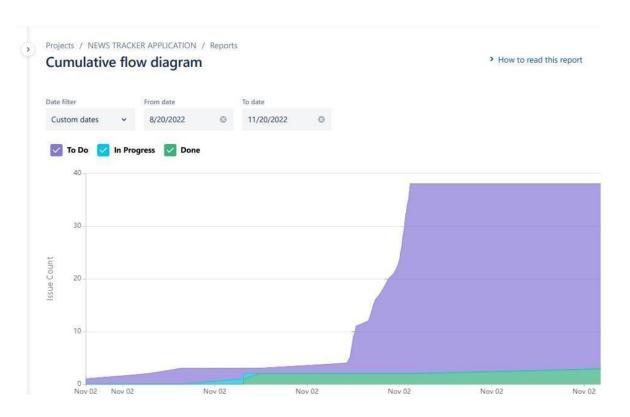
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date(Planned)	Story Points Completed (as on PlannedEndDate)	Sprint Release Date(Actual)
Sprint-1	20	7Days	24Oct 2022	29Oct 2022	20	29Oct 2022
Sprint-2	20	6 Days	31Oct 2022	05Nov 2022	20	05Nov 2022
Sprint-3	20	6 Days	07Nov 2022	12Nov 2022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

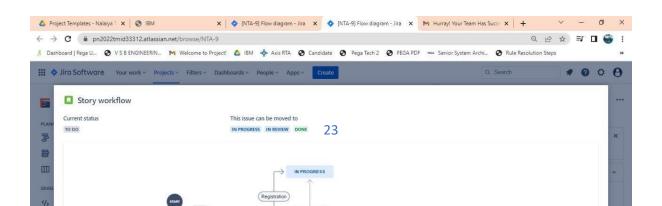
REPORTS FROM JIRA



News Tracker Application PNT 2022 TMID 33312







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="">
        New To News Tracking
Application?
        <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>
      <img src="Logo.jpg" alt="LOGO" />
     </div>
      <div class="menu">
        ul>
          <a href="news.html"> Home</a>
          <a href="#"> About</a>
           <div class="user">
             <img src="Profile Logo.png" alt="user" />
             <div class="user-info">
```

```
</div>
           </div>
         </div>
  </nav>
  <hr width="900%" style="border: 3px solid #f20f0f; margin-top:</pre>
10px;margin-bottom: 20px;">
  <div class="container">
    <div class="card">
      <div class="card-header">
       <img
src="https://images.hindustantimes.com/img/2022/11/14/550x309/Smog-
6_1668436436593_1668436436593_1668436491578_1668436491578.jpg"
alt="rover" />
     </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>

>

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.

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

<div class="card-header">

<img src="https://c.ndtvimg.com/2022-09/3ln6tu7o_mamata-banerjee-pti_625x300_08_September_22.jpg" alt="ballons" />

</div>
```

News Tracker Application PNT 2022 TMID 33312

<div class="card-body">

<span class="tag tag-

teal">Politics

<h4>

<a href="https://www.ndtv.com/india-news/mamata-banerjee-

apologises-for-trinamools-minister-comments-on-president-droupadi-murmu-

beauty-is-not-about-how-you-look-3518867" target=_blank>Mamata Banerjee

Apologises For Trinamool Minister's Comments On President

</h4>

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.

</div>

</div>

```
<div class="card">
      <div class="card-header">
       <img
src="https://images.hindustantimes.com/img/2022/11/14/550x309/modi_in_bali
_1668437713918_1668437719839_1668437719839.jfif"/>
      </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>
       >
```

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.

```
</div>
    </div>
    <div class="card">
      <div class="card-header">
       <img src="https://th-</pre>
i.thgim.com/public/incoming/yygqz6/article66110849.ece/alternates/FREE_120
0/PTI10_18_2022_000072B.jpg" alt="city" />
      </div>
      <div class="card-body">
       <a href = "Categories\inside-tn.html"><span class="tag tag-aas">Inside
- TN</span></a>
       <h4>
        AIADMK Created By Cadres, No One Can Divide It: O Pannerselvam
       </h4>
```

>

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.

```
</div>
    </div>
    <div class="card">
     <div class="card-header">
       <img
src="https://images.hindustantimes.com/img/2022/10/11/550x309/Delhi-
Weather-Rain--
4_1665414049445_1665414049445_1665455613808_1665455613808.jpg"
alt="city" />
     </div>
     <div class="card-body">
       <a href = "Categories\weather360.html"><span class="tag tag-
cyan">Weather 360°</span></a>
       <h4>
```

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

</h4>

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.

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

<div class="card-header">

<img src="https://www.indiaspend.com/wp-content/uploads/620-

Fire.jpg" alt="rover" />

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

<a href="Categories\trending today.html"><span class="tag tag-purple1">Trending Today</span></a>
```

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

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.

</div>

</div>

</body>

</html>

NEWS.CSS

@import

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

* {

box-sizing: border-box;

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: #ccccc;
 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;
}
```

```
News Tracker Application PNT 2022 TMID 33312
.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-gropu 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>
    It's free and only takes a minute
```

```
<form>
       <div class="form-group">
         <lable for="first-name">First Name</lable>
         <input type="text" name="firstname" id="first-name"/>
       </div>
       <div class="form-group">
         <lable for="last-name">Last Name</lable>
         <input type="text" name="lastname" id="last-name"/>
       </div>
       <div class="form-group">
         <lable for="email">Email</lable>
         <input type="email" name="email" id="email" placeholder="Enter an</pre>
email address"/>
       </div>
       <div class="form-group">
         <lable for="password">Password</lable>
         <input type="password" name="password" id="password"/>
```

```
</div>
    <div class="form-group">
      <lable for="password2">Confirm Password</lable>
      <input type="password" name="password2" id="password2"/>
    </div>
    <button type="submit" class="btn">Sign Up</button>
    <a href="login1.html">Sign Up</a>
      By clicking the Sign Up button, you agree to our
      <a href="#">Terms and Conditions</a> and
      <a href="#">Privacy Policy</a>
    </form>
</div>
<footer>
  >
    Already have an account?
```

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

}

```
<a href="login.html">Login Here</a>
    </footer>
  </div>**-++
</body>
</html>
STYLE.CSS
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600&dis
play=swap')
*{
 margin: 0;
padding: 0;
 box-sizing: border-box;
```

```
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

Test Cases

A	A	В	С	D	E	F	G	Н	l I
	PNT2022TMID33312								
	Project - News Tracke	er Application							
3	4 marks								
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 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	

5	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 foll
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	

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

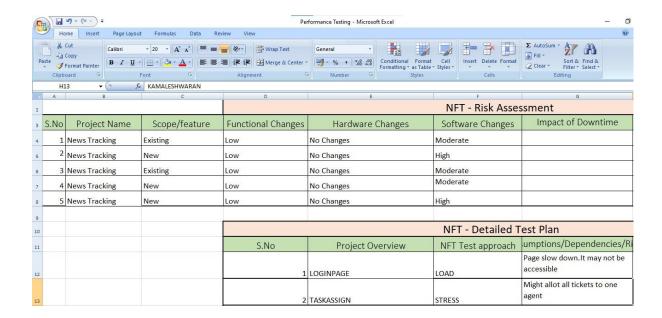
3. TestCaseAnalysis

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

Performance Metrics



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

News Tracker Application PNT 2022 TMID 33312

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.

13.APPENDIX

Source Code: from glob import escape

from flask import Flask, render_template, request, redirect, url_for, session

import ibm_db

app = Flask(__name__)

70

```
News Tracker Application PNT 2022 TMID 33312
4643-82ef-
8ac06f5107eb.bs2io90l08kqb1od8lcg.databases.appdomain.cloud; PORT=3012\\
0; SECURITY = SSL; SSLS erver Certificate = DigiCertGlobalRootCA.crt; UID = llm
42743;PWD=nFrTGszAPOQk3sAp",",")
@app.route('/')
def login():
  return render_template('signin.html')
@app.route('/signin.html',methods = ['POST'])
def getUser():
  if request.method == 'POST':
    user = request.form['uname']
    password = request.form['upwd']
    sql = "SELECT * FROM CUSTOMERS where Email = ?"
    stmt = ibm_db.prepare(conn, sql)
    email = user
    # Explicitly bind parameters
    ibm_db.bind_param(stmt, 1,user)
    ibm_db.execute(stmt)
```

```
News Tracker Application PNT 2022 TMID 33312
     dictionary = ibm_db.fetch_assoc(stmt)
     pwd = dictionary["PASSWORD"]
     if password != pwd:
       return render_template('error.html')
    return render_template('base.html')
@app.route('/signup.html')
def putUser():
  return render_template('register1.html')
@app.route('/signup.html',methods = ['POST'])
def storedUser():
  if request.method == 'POST':
     fname = request.form['fname']
     lname = request.form['lname']
     mail = request.form['mail']
     npwd = request.form['npwd']
     cpwd = request.form['cpwd']
```

```
News Tracker Application PNT 2022 TMID 33312
    res = fname + lname + mail + npwd + cpwd
    if npwd != cpwd:
       return render_template('register1.html')
    sql = "INSERT INTO customers
(FirstName, LastName, Email, password, confirmpassword) VALUES(?,?,?,?);"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt, 1, fname)
    ibm_db.bind_param(stmt, 2, lname)
    ibm_db.bind_param(stmt, 3, mail)
    ibm_db.bind_param(stmt, 4, npwd)
    ibm_db.bind_param(stmt, 5, cpwd)
    ibm_db.execute(stmt)
  return render_template('login.html')
```

```
News Tracker ApplicationPNT2022TMID33312
# run() method of Flask class runs the application
# on the local development server.
app.run(debug=True)
```

GitHub & Project Demo Link: https://youtu.be/4_bDZF_0mbs