

<i>Project Domain</i>	<i>Cloud Application Development</i>
<i>Project Title</i>	<i>News Tracker Application</i>
<i>Team ID</i>	<i>PNT2022TMID40746</i>

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1.INTRODUCTION

1.1 Project Overview

NewsTracker is an application designed to enhance and optimize the way a user interacts with news stories. This is achieved primarily using a search engine that connects to NewsAPI which allows the user to narrow-down the content of their results. Additional search parameters such as Polarity and Subjectivity use Natural Language Processing through Python's NLTK and Textblob libraries to parse through the html data given by the URL returned by NewsAPI, which will order a user's search results by the degree to which an article is objective or positive, with the corresponding score listed for each article. Other features available to users include the ability to save stories that they want to refer back to later, save multiple search queries for easy-access through an accordian drop-down, and the ability to set one of said queries as a user's default so that their headline feed will be base its results off that query default so that the main headline page will show results based off of the user's default search query.

1.2 Purpose

The ability to run an advanced search query to display a specific type of story and store it permanently in a user's account could be beneficial for anyone wanting to keep up with current events and/or investment opportunities. An investor is trying to assess the pros and cons of owning stock in a particular company. Using the subjectivity feature to identify degrees of subjectivity, they may choose to filter out articles that are marked as highly subjective, which allows them to save researching time and become better informed.

Someone wanting to become more politically informed about a particular issue may use the subjectivity feature to identify news sources and types of stories that may not be worth reading due to the degree to which

the author's tone skews from being objective. A day/swing trader may want to use the polarity feature to evaluate the overall market sentiment of a particular stock, crypto, or geo-political region.

An individual has been feeling that the amount of negative news they've been consuming has taken a toll on their mental health, and want to expose themselves to more positive and uplifting news may use the polarity feature to filter out negative stories. Although there are many different use cases that type of application might provide to its users, as described above, I also think it is important to mention that current NLP Sentiment Analysis capabilities aren't perfect, and a user should not expect to get accurate results or insights 100% of the time.

2. Literature Survey

2.1 Existing problem

Read online articles without any annoying contents .But there are multiple news-sharing apps used by a single user and are often spammed with notifications. There is also numerous fake news which gets shared. A news-sharing app wants to help users find relevant and important news easily every day and understand explicitly that the news is not fake but from proper sources.

Spamming of messages usually leads to clearing of the content without viewing thus probably leading the user to lose access to important information. Businesses must publish irrelevant news because younger generations prefer news with more fun instead of reliable news. Read online articles without any advertisements because Advertisements in the apps might irritate the user while reading the news.

Apps generate income through subscriptions and advertisements. Read precise contents because News apps want to increase the time that user spends on their app so that they can show ads and generate revenue. Avoid irrelevant news, Irrelevant news makes the user stop viewing the news thus losing access to credible news. Users don't want to spend time reading the entire content.

Users only check their phones and go through these notifications when they are free or during a particular time of the day when they are pass. One app not accommodating both the regional and international news might create a requirement for different apps. Businesses have to publish irrelevant news because younger generations prefer news with more fun instead of reliable news. News apps are trying to be like social media apps.

2.2 References

Author	Martijn Kleppe and Marco Otte
Title	Analysing and understanding news consumption patterns by tracking online user
Year	2017

Understanding users' online behaviour is of growing interest to academic researchers in a variety of fields. The Newstracker is a custom-built system that collects Web activities of specified and authenticated users, cleans

the data by removing non-relevant data, extracts the associated content, and stores this as a new data set to be used for analysis. To create the Newstracker, we applied two out of several data mining techniques: Web usage mining and Web content mining. While designing the Newstracker, we encountered several issues particularly during the pre-processing phase. First, caching is cited as an issue for reliably collecting user Internet use. When using a cached Web page, a browser will not request the page or elements of the page and thus not produce the HTTP request needed for the proxy server to log activity. The basis of the Newstracker was a local proxy. Even though applying a proxy to monitor Web behaviour is a relatively easy and a low-cost

Author	Swit Phuvipadawat, Tsuyoshi Murata
Title	Breaking News Detection and Tracking in Twitter
Year	2010

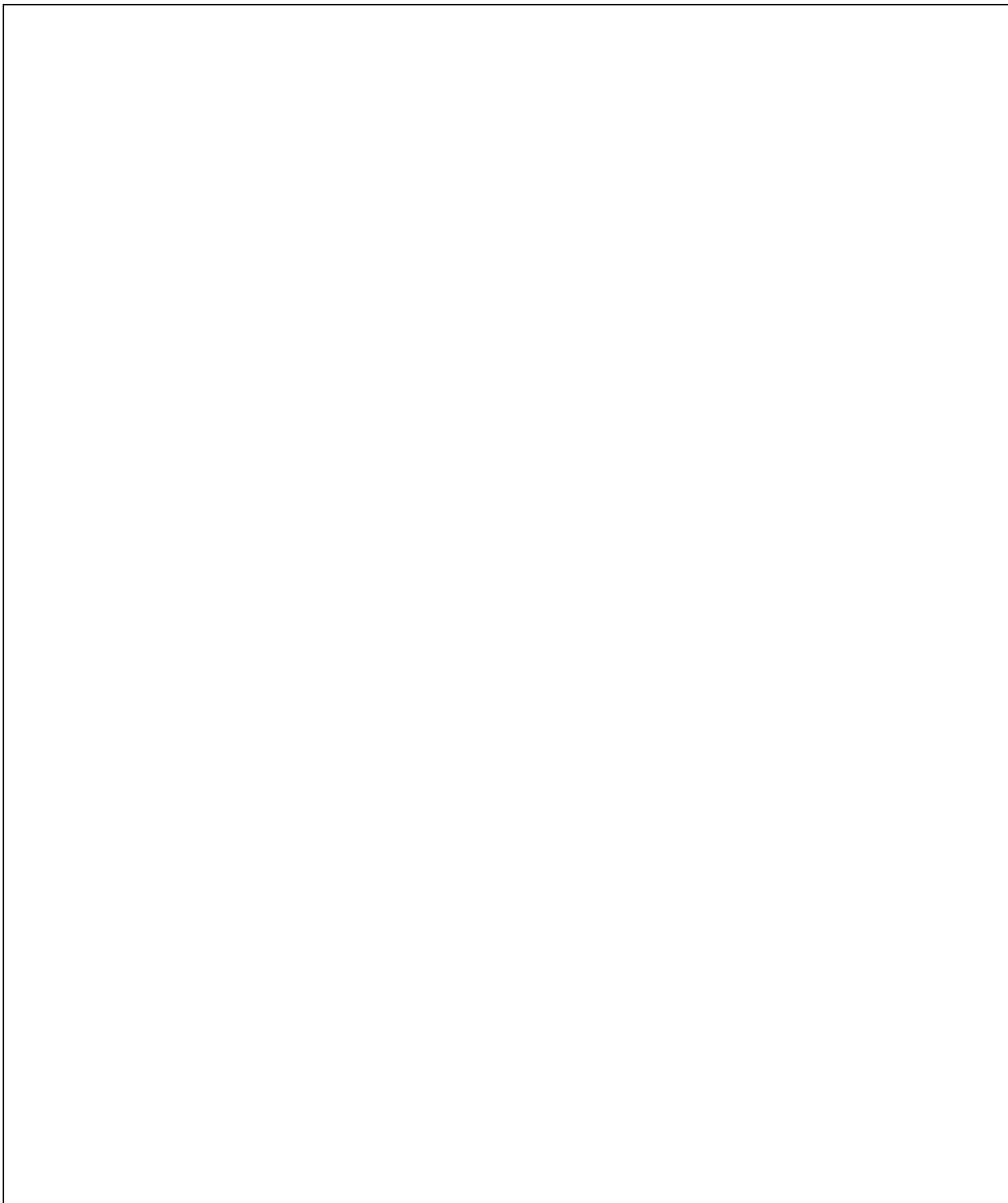
solution, it does ask some technical knowledge of the respondent. A second methodological challenge is setting

up the whitelist of websites that need to be monitored. A third and possibly most important methodological challenge is to find respondents who are willing to have their online behaviour being monitored. In the data analyses phase, we expect the future analyses of the scraped content will be a challenge. Especially researchers who are monitoring the behaviour of large amounts of respondents during longer period will gather large amounts of scraped content.

Twitter is a social networking service that allows users to share information, which is described by Twitter as “What’s happening?” in a form of short texts (140 characters). Keywords-Twitter, Topic Detection and Tracking, Real-time text-mining, Information Retrieval. Breaking news is defined by Wiktionary as “news that has either just happened or is currently happening. Breaking news may contain incomplete information, factual error or poor editing because of rush.” With this definition Twitter can fit the needs of breaking news delivery. However, news posted in Twitter requires an effort to discover it. Firstly, users often have problems of deciding which users to follow. That is, to find users with interesting tweets. Secondly, users need to read through status updates and follow links to obtain further information. There are two important elements in a message: emotions and facts. The inclusion of emotions in the message makes news delivered in Twitter, different from news delivered by professional journalists. In this paper, we present a method to collect, group, rank and track breaking news. Tasks are divided into two stages: story finding and story development. In this paper, we focus on facts part of messages. Emotions are left for our future works. Tasks are presented in three steps: sampling, indexing and grouping. We use the Stanford Named Entity Recognizer (NER) for the classification of proper nouns. NER provides a general implementation of linear chain Conditional Random Field (CRF) sequence models, coupled with well-engineered feature extractors for Named Entity Recognition. In this work, we discussed the characteristics of breaking news in Twitter and presented a method to collect, group, rank and track breaking news

Author	Milos Krstajic´, Mohammad Najm-Araghi, Florian Mansmann and Daniel A Keim
Title	Story Tracker: Incremental visual text analytics of news story development
Year	2013

from Twitter. To improve the similarity comparison for short-length messages, we emphasized proper nouns. There are several factors to rank the news story. In this experiment we use reliability, popularity and behave for the ranking factors. With these counterparts, we can understand the user’s perception to news stories, impacts to the mass audience and the pattern in which the information spreads.



increasingly important in many application areas, such as journalism, politics, or business intelligence. Keywords are News stream analysis, topic evolution, dynamic visualization, text analytics. Research on topic development, visualization, and analysis of temporal dynamics in information streams has strong connections to the fields of text mining, information visualization, and time-series analysis. A well-known initiative in text mining was topic detection and tracking (TDT),¹ which investigated methods for discovering events in broadcast news streams. The news articles are collected as XML data, as described by Krstajic´ et al. Each timestamped data item contains meta data, such as named entities or tags. Entities identify people or organizations that are mentioned in the document, while tags categorize the news (e.g., earthquake, sports). Very often, news stories have braided nature, that is, documents that belong to different clusters can be still highly related. Furthermore, news stories may split into two different topics at some point. The visualization in our system can be seen as like parallel coordinates, which is a well-known technique for visualizing highdimensional data. The global overview visualization helps in identifying the major news stories over a long period of time, and it is enriched with the interaction techniques to filter and rerank stories on various user-adjustable criteria in order to provide a clutter-free display.

am	Regular news reader in online news tracker applications
I'm trying to	Read online articles without any annoying contents

But	<ul style="list-style-type: none">● There are multiple news-sharing apps used by a single user and are often spammed with notifications.● There is also numerous fake news which gets shared.● A news-sharing app wants to help users find relevant and important news easily every day and understand explicitly that the news is not fake but from proper sources.
Because	<ul style="list-style-type: none">● News apps are trying to be like social media apps● News apps want to increase the time that user spends on their app so that they can show ads and generate revenue● To increase the user screen time, news apps make users encounter eye-catching news rather than credible ones● Apps generate income through subscriptions.
Which makes me feel	<ul style="list-style-type: none">● Fake news hurts individuals and society as it persuades consumers to accept false beliefs that are shared to forward specific agendas.● Identifying relevant news from excessive amounts of information on social media requires substantial time, energy, and mental efforts● Constant news updates and pop-ups of breaking news in social media may increase the feeling of news overload.

2.3 Problem Statement Definition

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

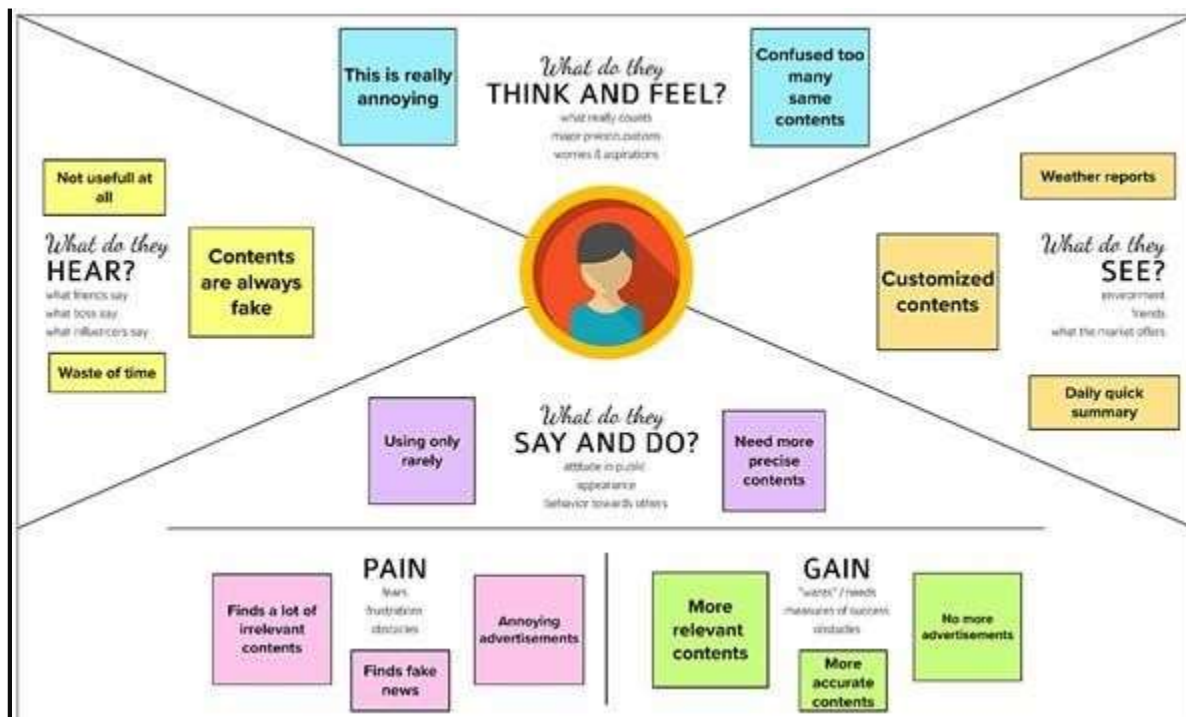
“News Tracker Application”

<i>I am</i>	<i>I'm trying to</i>	<i>But</i>	<i>Because</i>	<i>Which makes me feel</i>
online news articles reader	Read online articles without any annoying contents	spamming of messages usually leads to clearing of the content without viewing thus probably leading the user to lose access to important information.	Business must publish irrelevant news because younger generations prefer news with more fun instead of reliable news.	irritated.
	Read online articles without any advertisements	Advertisements in the app might irritate the user while reading the news.	Apps generate income through subscriptions and advertisements	Frustrated.
	Read precise contents	News apps want to increase the time that user spends on their app so that they can show ads and generate revenue	Users don't want to spend time reading the entire content. They need short and crisp news	Annoying
	Avoid irrelevant news	Irrelevant news makes the user stop viewing the news thus losing access to credible news	Businesses must publish irrelevant news because younger generations prefer news with more fun instead of reliable news.	Exhausted

“Real-time Customer Problem Statement”



3. IDEATION & PROPOSED SOLUTION




3.1 Empathy Map Canvas

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

3.2 Ideation & Brainstorming

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

Step-1: Team Gathering, Collaboration And Select The Problem Statement



Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

- 10 minutes to prepare
- 1 hour to collaborate
- 2-8 people recommended

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

10 minutes

- A Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- B Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.
- C Learn how to use the facilitation tools**
Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) →


1 Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

Problem Statement:

There are multiple news-sharing apps used by a single user and are often spammed with notifications. There is also a lot of fake news which gets shared. A news-sharing app wants to help users find relevant and important news easily every day and also understand explicitly that the news is not fake but from proper sources.



Key rules of brainstorming

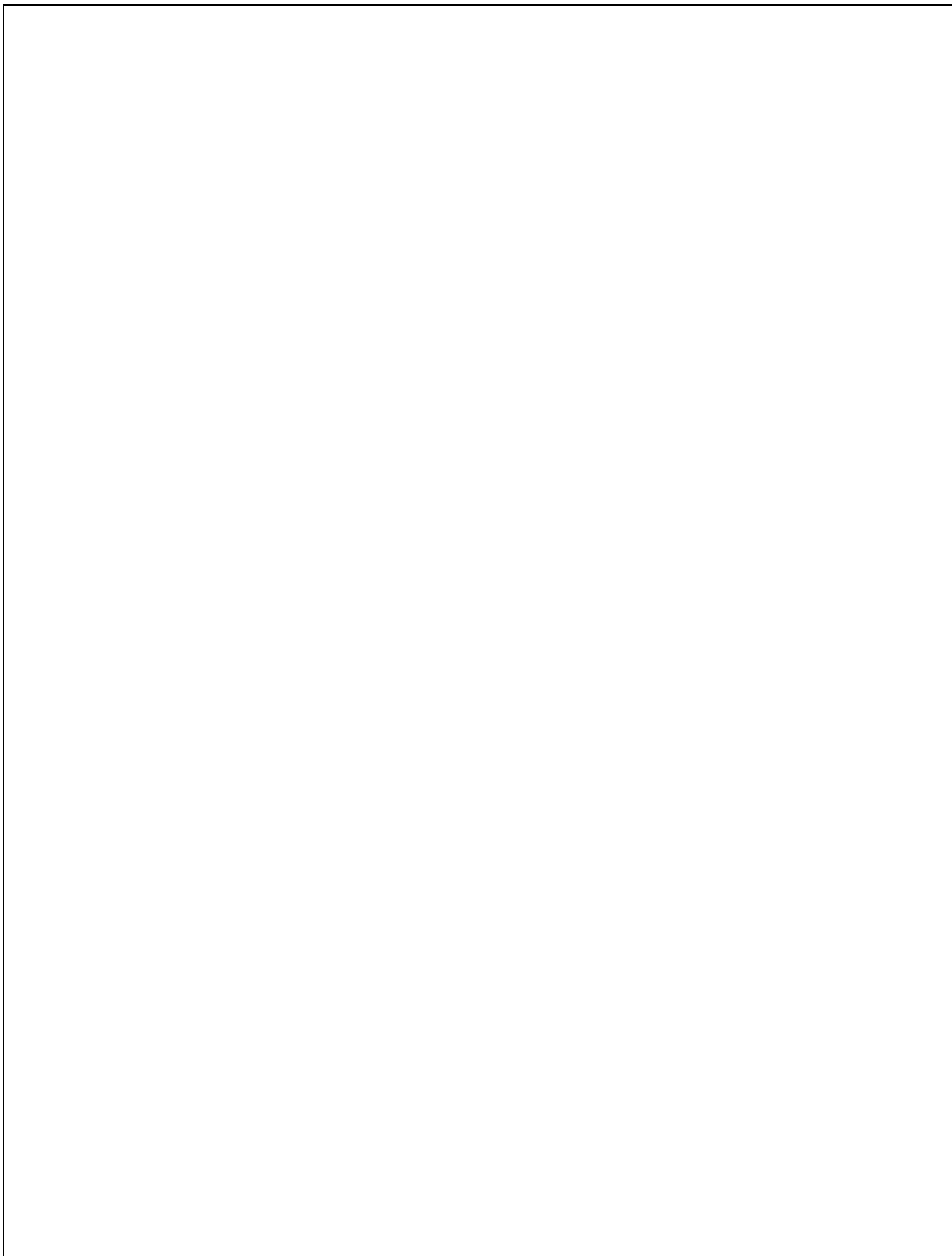
To run a smooth and productive session

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

Step-2: Brainstorm, Idea Listing and Grouping

1	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> ● It is the news tracking or news aggregator application where users can share the content they find on Internet and give to it certain visibility. ● It analyses and give the which type of the news is mostly liked by the user.
2	Idea/Solution description	<ul style="list-style-type: none"> ● Our idea is the tracker allows you to view up-to-date news regarding the status of your application. The tracker is dynamically linked to our own internal database, reflecting any change or decision on your application as soon as it happens.
3	Novelty/Uniqueness	<ul style="list-style-type: none"> ● There are not any premium plans, all users use the news tracker application. ● Read online news or articles without any advertisements.
4	Social Impact/Customer Satisfaction	<ul style="list-style-type: none"> ● Avoid irrelevant news. ● It is the user-friendly application, so many peoples read the daily news.
5	Business Model (Revenue Model)	<ul style="list-style-type: none"> ● It is the free application for all user. ● So many peoples will use this application.
6	Scalability of the Solution	<ul style="list-style-type: none"> ● This application response to the user with in few seconds. ● It response many users simultaneously.

3.3 Proposed Solution



3.4 Problem Solution Fit

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem .

Step-1: Business Problem

Business Problem

What business have you identified that needs help?

Using multiple
apps

Users don't want to
spend time reading
the entire content

Younger generations prefer news with
more fun instead of reliable news

Step-2: Business Outcomes

Business Outcomes

(Changes in customer behavior)

What changes in customer behavior will indicate you have solved a real problem in a way that adds value to your customers?

Real values
of news

Ads free
content

Avoid irrelevant content

Step-

3: Users & Customers

Users & Customers

What types of users and customers should you focus on first?

Younger
generations

Regular
online
article users

Who don't want to read fake news

Step-4: User Benefits

User Benefits

What are the goals your users are trying to achieve? What is motivating them to seek out your solution? (e.g., do better at my job OR get a promotion)

No spamming

Customized News

Accommodating regional news

Step-

5: Solution Ideas-1

Solution ideas

List product, feature, or enhancement ideas that help your target audience achieve the benefits they're seeking.

Provide the user the ability to customize the frequency and duration of ads

Providing credible links for the user to refer to in case of any doubts on news credibility

Show a verified badge against the news has been verified by the app

Customizing the news received depending on the age of user

An App that includes all international and regional news that can be customizable depending on the users needs, will reduce the number of apps

Step-6: Solution Ideas-2

Solution ideas

Combine the assumptions from 2, 3, 4 & 5 into the following template hypothesis statement:
"We believe that [business outcome] will be achieved if [user] attains [benefit] with [feature]."

Each hypothesis should focus on one feature.

Providing credible links for the user to refer to in case of any doubts on news credibility.

Young people prefer social media over news apps

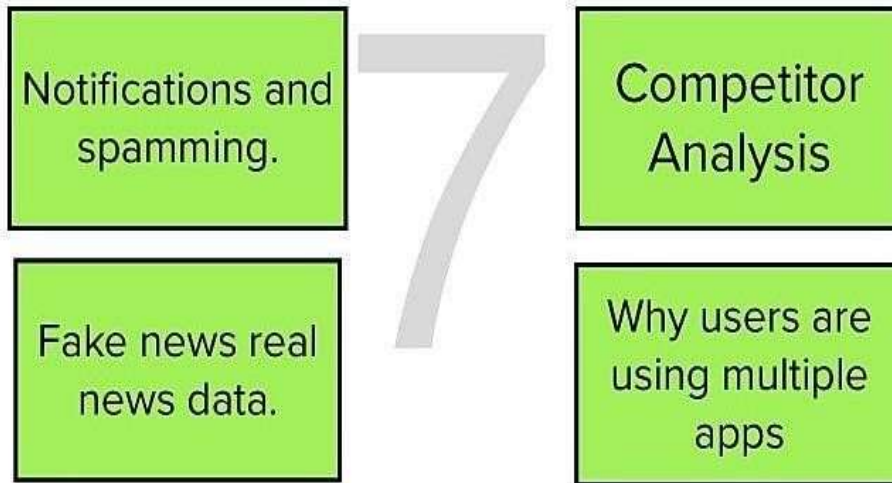
Giving filters for notifications.

Step-

7: What's the most important thing we need to learn first?

What's the most important thing we need to learn first?

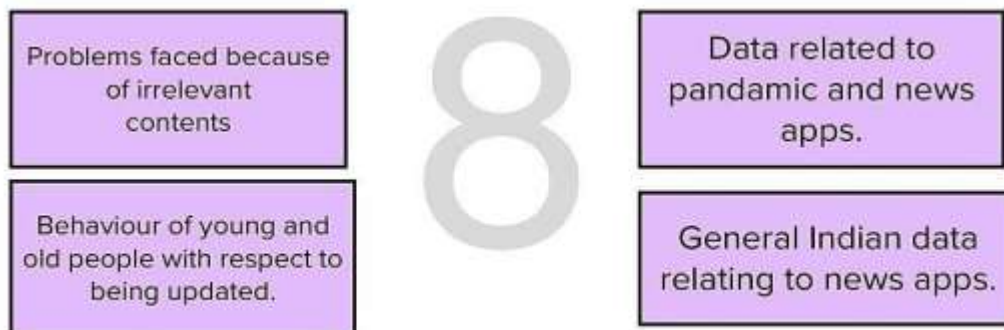
List product, feature, or enhancement ideas that help your target audience achieve the benefits they're seeking.



Step-8: What's the least amount of work we need to do learn the next most important thing?

What's the least amount of work we need to do to learn the next most important thing?

Brainstorm the types of experiments you can run to learn whether your riskiest assumption is true or false.

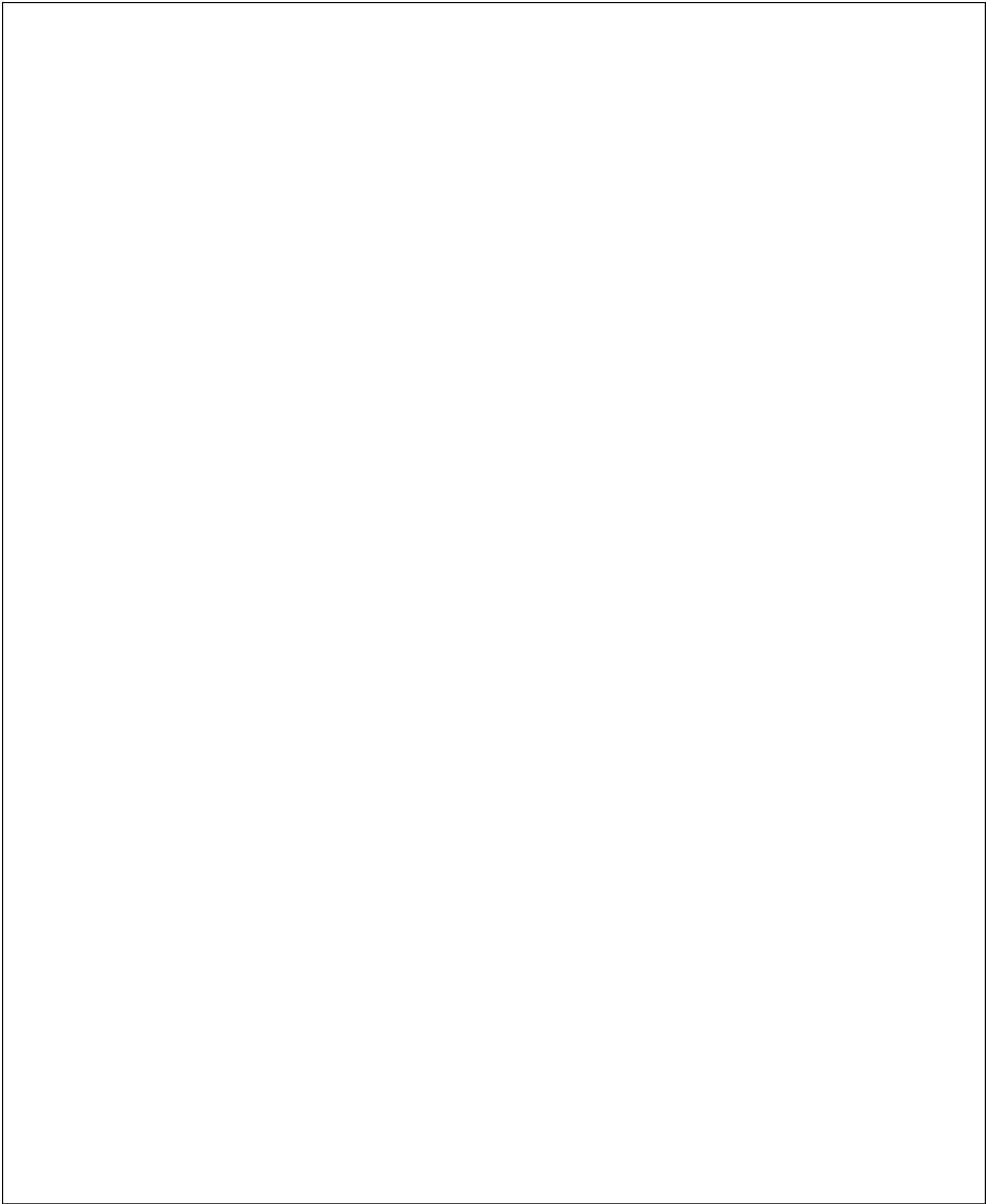


4. Requirement Analysis

4.1 Functional Requirement

Functional requirements are product features or functions that developers must implement to enable users to accomplish their tasks. So, it is important to make them clear both for the development team and the stakeholders. Generally, functional requirements describe system behaviour under specific conditions.

Following are the functional requirements of the proposed solution.



FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through mail account or mobile number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Region	Selects user's current region or country and further local locations.
FR-4	Language Selection	Selecting up language on which the articles to viewed.
FR-5	Topic/Category Selection	Selecting topic/categories like technology, science, politics, moves, health care, space, games, etc...
FR-6	News Source Selection	Choosing up of sources from where the news articles to be displayed like msn, times now, the Hindu, CNBC news, etc
FR-7	Notification preferences	Decide on which the notification can be popped up.

4.2 Non-functional Requirements

Non-functional Requirements define system attributes such as security, reliability, performance, maintainability, scalability, and usability. They serve as constraints or restrictions on the design of the system across the different backlogs.

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Easy to use instead of reading by own read a loud option helps the user to read the contents.
NFR-2	Security	Securely verified at every stage before publishing of the contents

NFR-3	Reliability	Provides accurate new articles and news contents
NFR-4	Performance	Contents are as soon as accessible by everyone when the publisher publishes it.
NFR-5	Availability	Only available to the user if and only if the news is identified as true
NFR-6	Scalability	Easy to extend the already customized news categories simply by editing the existing one.

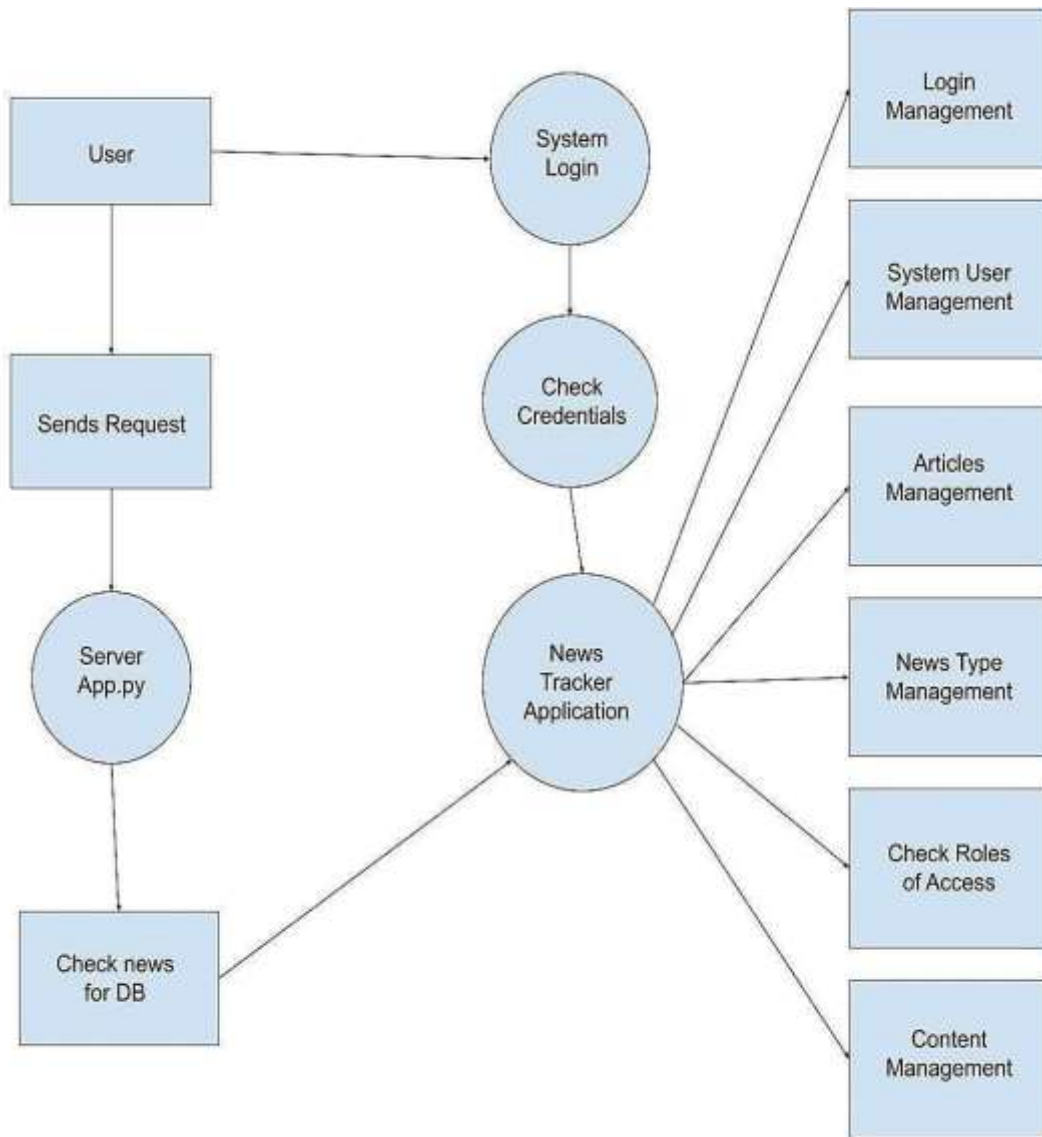
5. Project Design

5.1 Data Flow Diagram

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Figure: Data Flow Diagram (*News Tracker Application*)





5.2 Solution & Technical Architecture

- Solution architecture, term used in information technology with various definitions such as "A description of a discrete and focused business operation or activity and how IS/IT supports that operation".
- Solution architecture provides the ground for software development projects by tailoring IT solutions to specific business needs and defining their functional requirements and stages of implementation. It is comprised of many subprocesses that draw guidance from various enterprise architecture viewpoints.

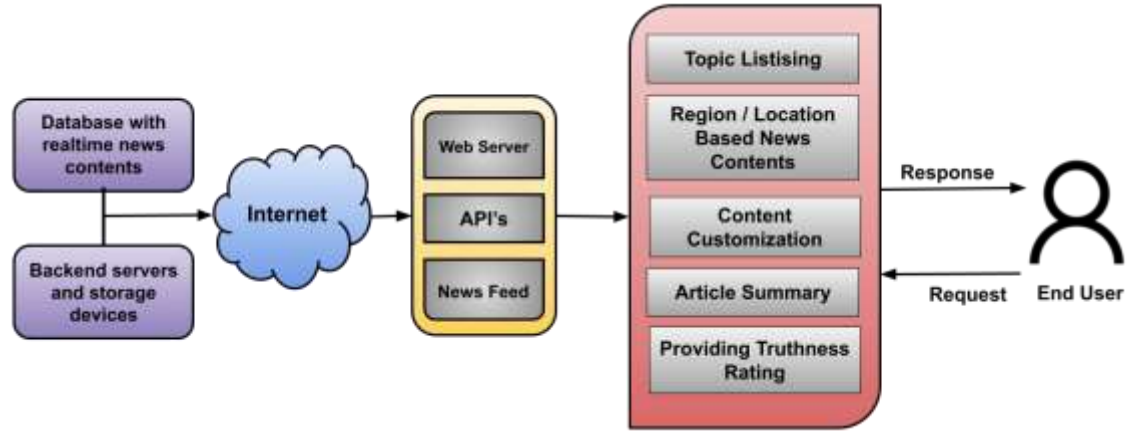
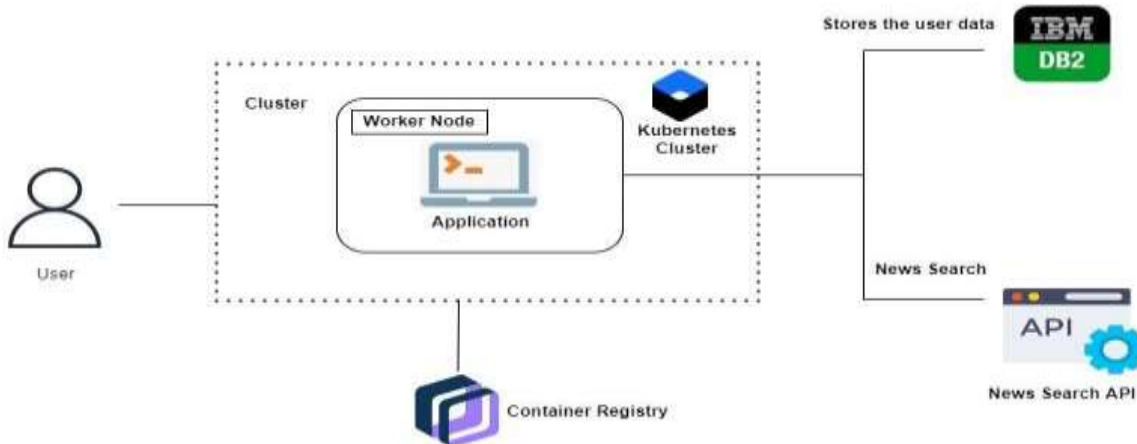
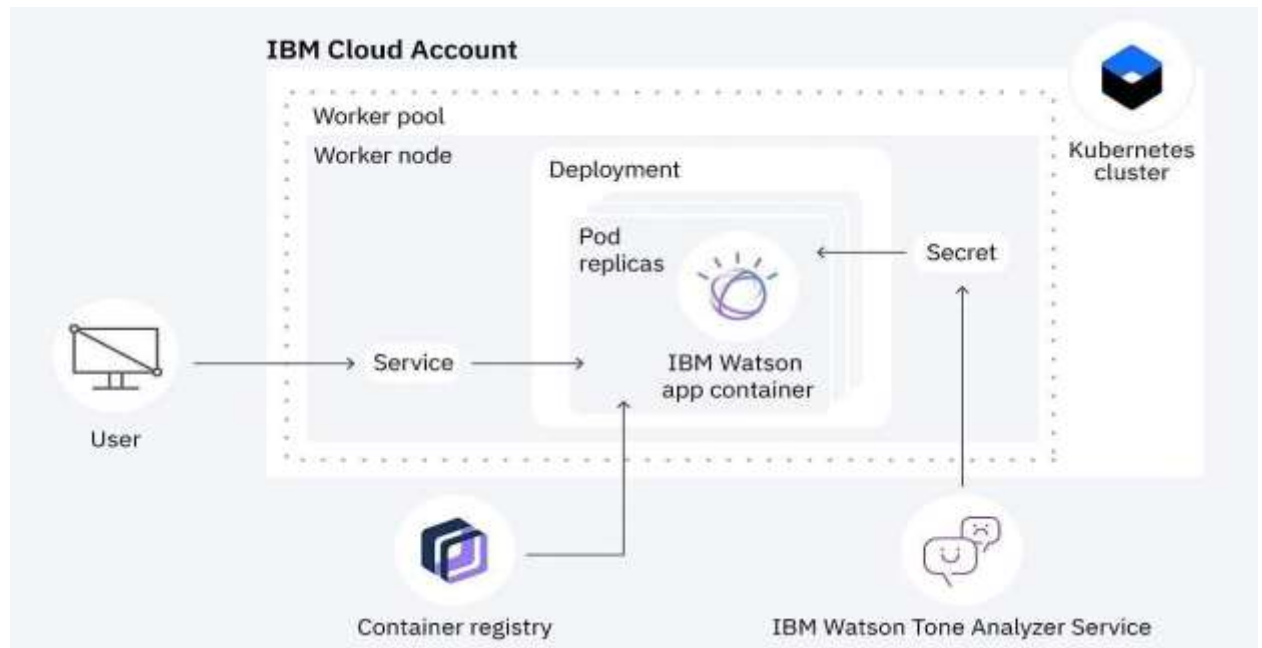


Figure: News Tracker Application – Solution Architecture

Technology architecture deals with the deployment of application components on technology components. A standard set of predefined technology components is provided to represent servers, network, workstations, among other examples.





S. No	Component	Description	Technology
	<i>User</i>	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js / React Js, python, flask
	<i>Cluster</i>	Consist of work node, Application, Kubernetes cluster.	Docker hub, IBM Cloud, Kubernetes
	<i>Work node</i>	Deployment of application image to the cloud	IBM Cloud, IBM Cloud Container Registry
	<i>Kubernetes Cluster</i>	Interactive browser-based training for deploying and operating a cluster on IBM Cloud	IBM Kubernetes
	<i>Container Registry</i>	Data Type, Configurations etc.	IBM Cloud Container Registry.
	<i>Stores the user data</i>	Database Service on Cloud	IBM DB2
	<i>News search</i>	User action on searching news articles	IBM Block Storage or Other Storage Service or Local File system
	<i>News Search API</i>	Purpose of External API used in the application	IBM News Search API, etc.

Table-1 Components & Technologies

Table-2 Application Characteristics

S.No	Characteristics	Description	Technology	
1.	<i>Open-Source Frameworks</i>	List the open-source frameworks used	IBM DB2, IBM Cloud, IBM Cloud Container Registry, Docker hub, IBM Cloud Kubernetes	1
2.	<i>Security Implementations</i>	List all the security / access controls implemented, use of firewalls etc.	e.g. SHA-256, Encryptions, IAM Control, OWASP etc.	
3.	<i>Scalable Architecture</i>	Justify the scalability of architecture (3 – tier, Microservices)	IBM DB2, IBM Cloud, IBM Cloud Container Registry	
4.	<i>Availability</i>	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Docker hub, IBM Cloud Kubernetes	
5.	<i>Performance</i>	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	HTML, CSS, JavaScript / Angular Js / React Js , IBM News Search API	

5.3 User Stories

<i>User Type</i>	<i>Functional Requirement (Epic)</i>	<i>User Story Number</i>	<i>User Story /Task</i>	<i>Acceptance criteria</i>	<i>Priority</i>	<i>Release</i>
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account/ dashboard.	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application.	I can receive confirmation email and click confirm.	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register and access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register through my Gmail account	Medium	Sprint-2
	Login	USN-5	As a user, I can log into the application by entering email and password	I can access my account without integrations	High	Sprint-2
	Dashboard	USN-6	As a user I should be able to navigate and access all the features hassle free	The UI is clear with all features and apt theming	High	Sprint-3

Customer Care Executive and	User Segregation data uniquely identify logs	USN-7	As a CC executive I should be able to support customer and provide help	I can provide support with provided	Low	Sprint-3
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Administrator	Change code	USN-8	As an administrator I should be able to modify code according to the future requirements.	can access the code and the code is concise	High	Sprint-4
	Monitor the system	USN-9	As an administrator I should be able to monitor the cloud system and fix errors before customer.	can monitor the health and stats of the cloud system	Medium	Sprint-4

6. Project Planning & Scheduling

<i>Sprint</i>	<i>Total Points</i>	<i>Story</i>	<i>Duration</i>	<i>Sprint Start Date</i>	<i>Sprint End Date (Planned)</i>	<i>Sprint Release Date (Actual)</i>	6.1 Sprint Planning &
Sprint-1	20		Days	Oct 2022	Oct 2022	Oct 2022	
Sprint-2	20		Days	Oct 2022	05 Nov 2022	05 Nov 2022	
Sprint-3	20		Days	07 Nov 2022	Nov 2022	Nov 2022	
Sprint-4	20		Days	Nov 2022	Nov 2022	Nov 2022	

Estimation

<i>S: No</i>	<i>Task / Activity</i>	<i>Sprint-1 - 29 Oct 2022</i>	<i>Sprint-2 Oct - 5 Nov 2022</i>	<i>Sprint-3 - 12 Nov 2022</i>	<i>Sprint-4 - 19 Nov 2022</i>
1	Creating a web page (HomePage & Dashboard).				
2	Creating Database and working on it.				
3	Establishing database connection.				

4	Creating Registration/Logi Page.					
5	Creating User Login.					
6	Implementing Admin & Publisher Panel.					

Velocity:

7	Integrating NEWS API.				
8	Adding Watson Assistant.				
9	Testing and debugging.				
10	Creating image and containerize the application.				
11	Deploying the application in IBM cloud.				

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

Burn-down Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

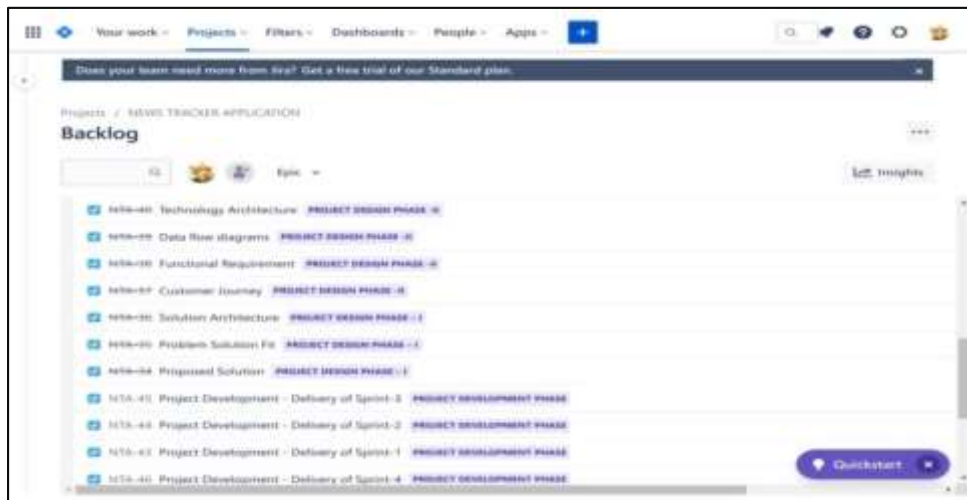
<i>Sprint</i>	<i>Functional Requirement (Epic)</i>	<i>User Story Number</i>	<i>User Story / Task</i>	<i>Story Points</i>	<i>Priority</i>	<i>Team Members</i>
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	JEEVA S, HARISURYA K
		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	JEEVA S, HARISURYA K
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	JEEVA S, HARISURYA K

		USN-4	As a user, I can register for the application through Gmail	2	Medium	INDUMATHI K, REKHA R
	Login	USN-5	As a user, I can log into the application by entering email and password	1	High	INDUMATHI K, REKHA R

6.2 *Sprint Delivery Schedule*

Sprint-3	Dashboard	USN-6	As a user I should be able to navigate and access all the features hassle free	2	High	JEEVA S, HARISURYA K, INDUMATHI K
	Layout	USN-7	As a user I should be able to access the portal with different devices with the same comfort	2	Medium	JEEVA S, HARISURYA K, INDUMATHI K
	User Segregation and data	USN-8	As a CC executive I should be able to identify uniquely.	1		JEEVA S, HARISURYA K, REKHA R
Sprint-4		USN-9	As an administrator I should be able to modify code according to the future requirements.	2	High	JEEVA S, HARISURYA K, INDUMATHI K, REKHA R
		USN-10	As an administrator I should be able to monitor the cloud system and fix errors before customer.	2	Medium	JEEVA S, HARISURYA K, INDUMATHI K, REKHA R

6.3 Reports from JIRA



Project Development - Delivery of Sprint 4

Your sprint commitment has increased by 27 issues
Due to scope changes, you have 27 issues to complete this sprint

Incomplete issues

Key	Summary	Issue type	Epic	Status	Assignee	Issue count
NTA-43	Project Development - Delivery of Sprint-1	Task	PROJECT DEVELOP...	IN PROGRESS	Assignee	1
NTA-44	Project Development - Delivery of Sprint-2	Task	PROJECT DEVELOP...	IN PROGRESS	Assignee	1
NTA-45	Project Development - Delivery of Sprint-3	Task	PROJECT DEVELOP...	IN PROGRESS	Assignee	1
NTA-46	Project Development - Delivery of Sprint-4	Task	PROJECT DEVELOP...	IN PROGRESS	Assignee	1

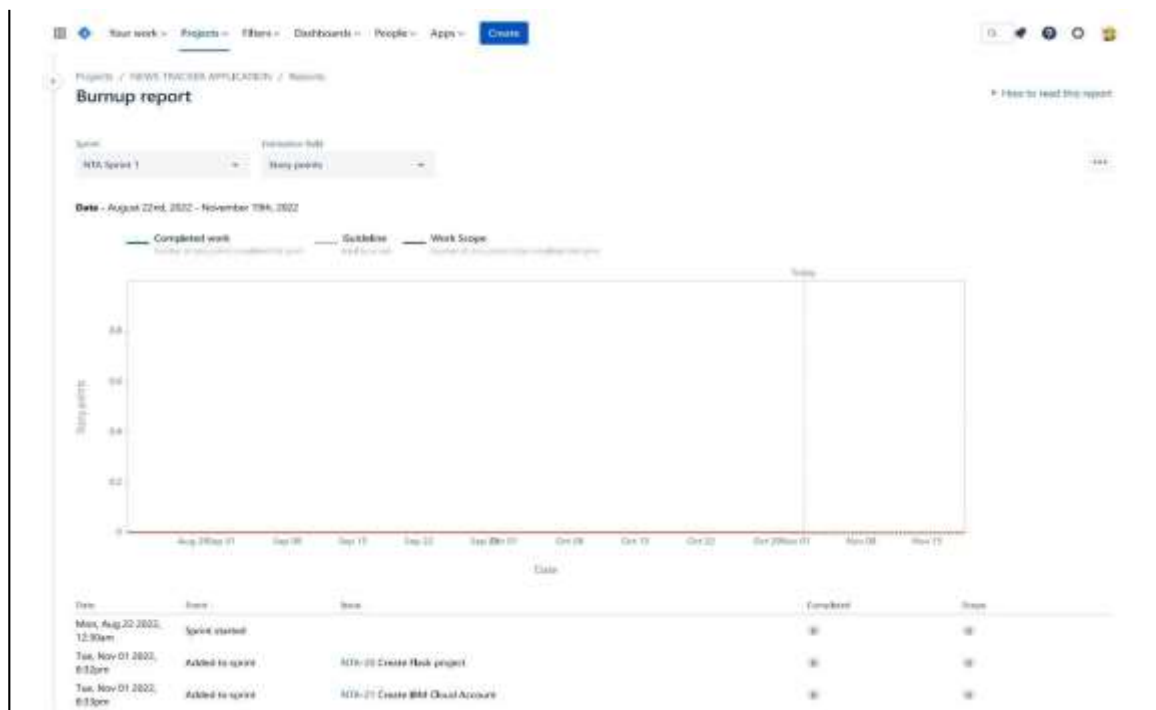
Completed issues

Key	Summary	Issue type	Epic	Status	Assignee	Issue count
NTA-20	Create flask project	Task	SETTING UP APPLI...	DONE	Assignee	1
NTA-21	Create IBM Cloud Account	Task	SETTING UP APPLI...	DONE	Assignee	1
NTA-22	Install IBM Cloud CLI	Task	SETTING UP APPLI...	DONE	Assignee	1
NTA-23	DevOps CLI installation	Task	SETTING UP APPLI...	DONE	Assignee	1
NTA-24	Create an account in SendGrid	Task	SETTING UP APPLI...	DONE	Assignee	1
NTA-25	Create CLI to interact with application	Task	IMPLEMENTING W...	DONE	Assignee	1
NTA-26	Create IBM DB2 and connect with python	Task	IMPLEMENTING W...	DONE	Assignee	1
NTA-27	Integrate Rapid API	Task	IMPLEMENTING W...	DONE	Assignee	1

<div> <div> <div></div> <div>Your work</div> </div> <div> <div>Projects</div> <div>Filters</div> <div>Dashboards</div> <div>People</div> <div>Apps</div> <div>Create</div> </div> </div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>							
NTA-29	Deploy in Kubernetes Cluster	Task	DEPLOYMENT OF A...	DONE			1
NTA-30	DEPLOY IN KUBERNETES CLUSTER	Task	DEPLOYMENT OF A...	DONE			1
NTA-31	Literature survey on the selected project & Information Gathering	Task	RESEARCH PHASE	DONE			1
NTA-32	Prepare Empery Map	Task	RESEARCH PHASE	DONE			1
NTA-33	Iteration	Task	RESEARCH PHASE	DONE			1
NTA-34	Proposed Solution	Task	PROJECT DESIGN P...	DONE			1
NTA-35	Problem Solution Fit	Task	PROJECT DESIGN P...	DONE			1
NTA-36	Solution Architecture	Task	PROJECT DESIGN P...	DONE			1
NTA-37	Customer Journey	Task	PROJECT DESIGN P...	DONE			1
NTA-38	Functional Requirement	Task	PROJECT DESIGN P...	DONE			1
NTA-39	Data Flow diagrams	Task	PROJECT DESIGN P...	DONE			1
NTA-40	Technology Architecture	Task	PROJECT DESIGN P...	DONE			1
NTA-41	Prepare Milestone & Activity List	Task	PROJECT PLANNING	DONE			1
NTA-42	Sprint Delivery Plan	Task	PROJECT PLANNING	DONE			1

Issues completed outside of sprint

Key	Summary	Issue type	Epic	Status	Assignee	Issue count
-----	---------	------------	------	--------	----------	-------------



Projects

NEWS TRACER APPLICATION / Issues

Burnup report

How to read this report

Sprint

NTA Sprint 1

Iterations left

Many points

444

Date - August 22nd, 2022 - November 19th, 2022

Completed work

Subtotal

Work Scope

Completed work

Number of completed issues in sprint

Subtotal

Up to now

Work Scope

Number of issues assigned in the sprint

Today

Many points

0.0

0.2

0.4

0.6

0.8

1.0

1.2

Aug 28 Sep 01

Sep 05

Sep 12

Sep 20

Sep 28 Oct 01

Oct 05

Oct 12

Oct 20

Oct 28 Nov 01

Nov 05

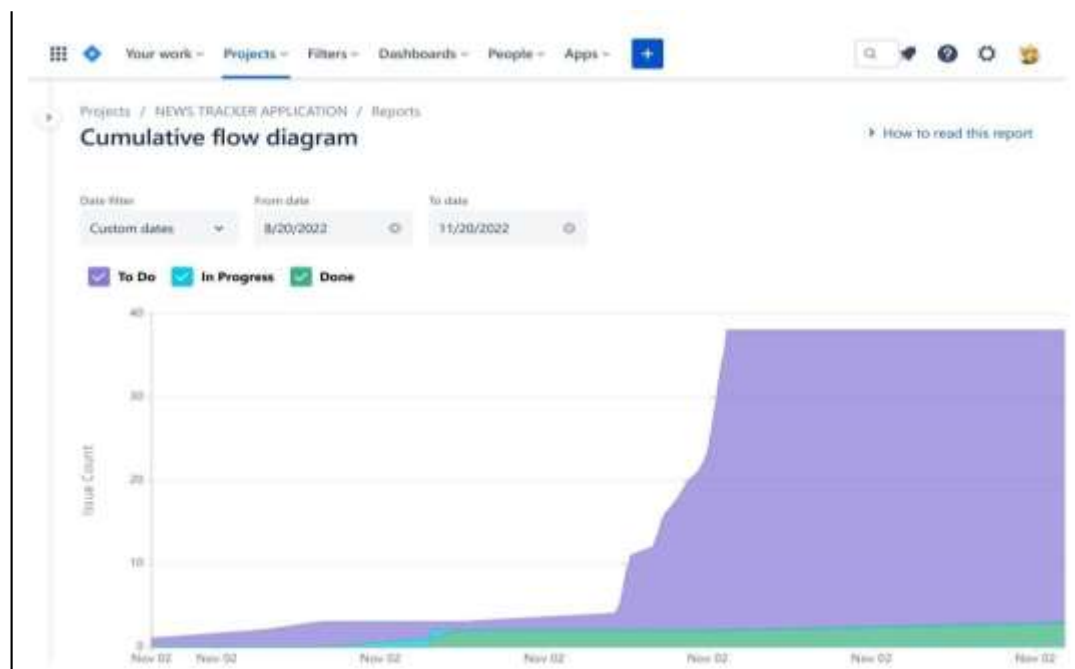
Nov 12

Date

<

Navigation: Your work ▾ Projects ▾ Filters ▾ Dashboards ▾ People ▾ Apps ▾ Create

	Date	Status	Title	Progress	Assignee
>	Tue, Nov 01 2022, 8:36pm	Issue completed	NTA-38 Functional Requirement	<div><div></div></div>	[Avatar]
	Tue, Nov 01 2022, 8:36pm	Issue completed	NTA-39 Data flow diagrams	<div><div></div></div>	[Avatar]
	Tue, Nov 01 2022, 8:36pm	Issue completed	NTA-40 Technology Architecture	<div><div></div></div>	[Avatar]
	Tue, Nov 01 2022, 8:36pm	Issue completed	NTA-41 Prepare Milestone & Activity List	<div><div></div></div>	[Avatar]
	Tue, Nov 01 2022, 8:36pm	Issue completed	NTA-42 Sprint Delivery Plan	<div><div></div></div>	[Avatar]



7. Coding &

h Code)

		SEP	OCT	NOV
Sprints				
▼ NTA-15: SETTING UP APPLICATION ENVIRONMENT				
NTA-20: Create Flask project	30:00	SRINAM K		
NTA-21: Create IBM Cloud A...	30:00	SRINAM K		
NTA-22: Install IBM Cloud CLI	30:00	SRINAM K		
NTA-23: Docker CLI installation	30:00	SRINAM K		
NTA-24: Create an account in...	30:00	SRINAM K		
▼ NTA-17: IMPLEMENTING WEB APPLICATION				
NTA-25: Create UI to interact...	30:00	SRINAM K		
NTA-26: Create IBM DB2 and...	30:00	SRINAM K		
NTA-27: Integrate Rapid API	30:00	SRINAM K		
▼ NTA-14: DEPLOYMENT OF APP IN IBM CLOUD				
NTA-28: Containerize the app	30:00	SRINAM K		
NTA-29: Deploy in Kubernetes	30:00	SRINAM K		
NTA-30: DEPLOY IN KUBERN...	30:00	SRINAM K		
▼ NTA-18: IDEATION PHASE				
NTA-31: Literature survey on...	30:00	SRINAM K		
NTA-32: Prepare Empathy Map	30:00	SRINAM K		
NTA-33: Ideation	30:00	SRINAM K		
▼ NTA-16: PROJECT DESIGN PHASE - I				
NTA-34: Proposed Solution	30:00	SRINAM K		
NTA-35: Problem Solution Fit	30:00	SRINAM K		
NTA-36: Solution Architecture	30:00	SRINAM K		
▼ NTA-17: PROJECT DESIGN PHASE - II				
NTA-37: Customer Journey	30:00	SRINAM K		
NTA-38: Functional Requirem...	30:00	SRINAM K		
NTA-39: Data flow diagrams	30:00	SRINAM K		
NTA-40: Technology Architect...	30:00	SRINAM K		
▼ NTA-19: PROJECT PLANNING PHASE				
NTA-41: Prepare Milestone &...	30:00	SRINAM K		
NTA-42: Sprint Delivery Plan	30:00	SRINAM K		
▼ NTA-19: PROJECT DEVELOPMENT PHASE				
NTA-43: Project Development...	30:00	SRINAM K		
NTA-44: Project Development...	30:00	SRINAM K		
NTA-45: Project Development...	30:00	SRINAM K		
NTA-46: Project Development...	30:00	SRINAM K		

7.1 Feature 1

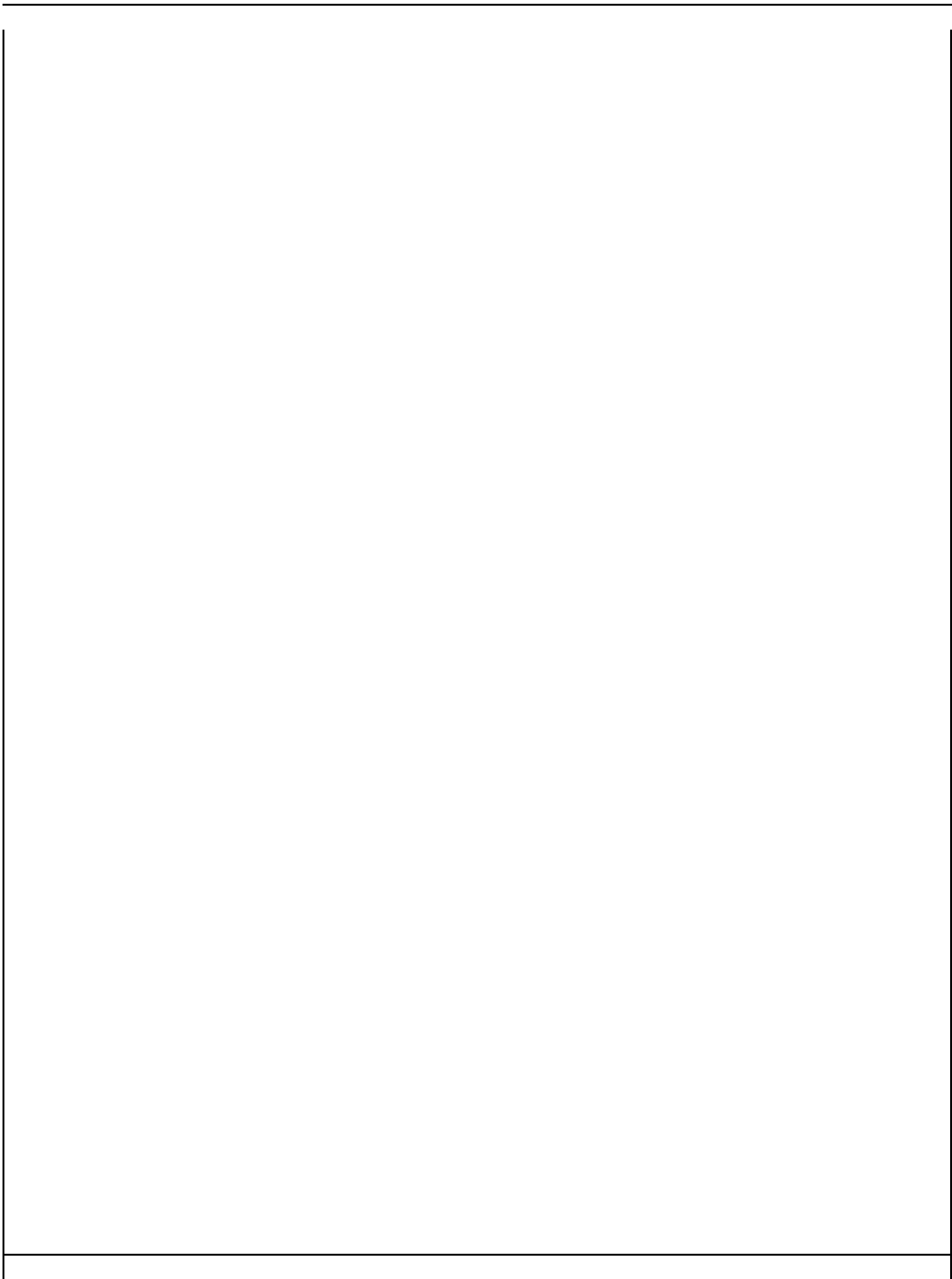
- After go to the news tracker application, the user enters their account details.If the user already have the account then they enter the user name and password.
- Next, they select the any on of the source and go to the news portal.
- If the user haven't the account then they will select the create account option and enter their details.



7.2 Features 2

- After go to the news portal, the user read the news from google news, BBC, etc.
- If the user want to logout the news application then click the logout button otherwise Go to the dashboard.





7.3 Database Schema

IBM Db2 on Cloud										
Load Data Load History Tables Views Indexes Aliases MQTs Sequences Application objects										
RKK02660.NTAAC										
Export to CSV										
FULLNAME	EMAIL	USERNAME	PASSWORD							
SRIRAM K	sriram.rmk@gmail.com	sriram.rmk	Sriram@123							
Naveen	naveenmanivannan2002@gmail.com	NAVEEN M	Nave_2002							
Jawahar	2001sjawahar@gmail.com	7708241959	7708241959							
KISHORE S	kishoreni25@gmail.com	kishore-25	25012002							
Santhosh n	iamssanthosh@gmail.com	Santhosh	santhosh@123							
viknesh	ktviknesh@gmail.com	vikneshkt	abc123							

8. TESTING

8.1 Test Cases

Test case ID	Feature Type	Component	Test Scenario	Pre-Requirement	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	Executed By
Home Page-1	Functional	Home Page	Open Home Screen of the application	NIL	1.Enter URL (https://newstracker.nl) and click go	https://newstracker.nl	Login/Signup popup should display	Working as expected	Pass	NIL	SRIRAM K
Login Page-1	Functional	Login Page	Verify the UI elements in Login/Signup popup	User should have existing username and password	1.Enter URL(https://newstracker.nl) and click go 2.Enter Valid username in text box 3.Enter valid password in password text box 4.Click on login button	Username: sriram.rmk password: Sriram@123	Application should show below UI elements: a.email text box b.password text box c.Login button d.New customer? Create account link e.Show button Forget account?	Working as expected	Pass	NIL	NAVEEN M
Login Page-2	Functional	Login Page	Verify the UI elements in Login/Signup popup	User should not have existing username and password	1.Enter URL(https://newstracker.nl) and click go 2.Enter Valid username in text box 3.Enter valid password in password text box 4.Click on login button	Username: csudfge@gmail password: d123rfe	Application should show "Incorrect email or password" validation message.	Working as expected	Pass	NIL	SANTHOSH N
Signup Page-1	Functional	Signup page	Register a user and store the data into database and send login credentials to them via email address provided by the user	Should have a valid mail address	1.Enter URL(https://newstracker.nl) and click go 2.Click create an account button 3.Enter full name, email, username and password	Any valid data	Successful creation of account and sharing credentials via mail	Working as expected	Pass	NIL	KISHORE S

Signup Page-2	Functional	Signup page	Register a user, where the email and username already exist.	NIE	<div> <div>Press Esc to exit full screen</div> <ol style="list-style-type: none"> 1) Enter URL (https://newstracker.nl) and click go 2) Click create an account button 3) Enter full name, email, username and password </div>	Any valid data	Shows Error: email or username already exist	Working as expected	Pass	NIE	JAWAHAR S
Forgot username or password-1	Functional	Forgot page	Enter the already registered mail id and get back the username and password to the same mail.	Should have registered mail id	<ol style="list-style-type: none"> 1. Enter URL (https://newstracker.nl) and click go 2. Click forgot username/password button 3. Enter the mail id 	Enter valid mail id	Reactive username and password to the provided mail address	Working as expected	Pass	NIE	SRIRAM K
Forgot username or password-2	Functional	Forgot page	Enter mail id which is not registered.	Any mail id	<ol style="list-style-type: none"> 1. Enter URL (https://newstracker.nl) and click go 2. Click forgot username/password button 3. Enter the mail id 	Enter invalid mail id	Shows Error: email id not found	Working as expected	Pass	NIE	NAVEEN M
Dashboard	Functional	Dashboard	Redirect user to dashboard page on providing valid credentials	Valid credentials	<ol style="list-style-type: none"> 1. Enter URL (https://newstracker.nl) and click go 2. Enter Valid username in user box 3. Enter valid password in password text box 4. Click on login button 	Valid credentials	Redirects to dashboard, shows user's full on the top screen.	Working as expected	Pass	NIE	BANTHOSH M
News-1	Functional	News Page	Redirect user to news page on clicking any one the listed news sources	NIL	<ol style="list-style-type: none"> 1. Click any one the listed news sources 	Clicking BBC NEWS	Redirects to BBC NEWS page, show articles from the api	Working as expected	Pass	NIE	KISHORE S
News-2	Functional	News Page	Click dashboard button	NIL	<ol style="list-style-type: none"> 1. Click dashboard button 	Click dashboard button	Redirects to dashboard page. If the user is logged in	Working as expected	Pass	NIE	JAWAHAR S
News-3	Functional	News Page	Click logout button	NIL	<ol style="list-style-type: none"> 1. Click logout button 	Click logout button	Redirects to login screen and shows messages as logged out successfully	Working as expected	Pass	NIE	SRIRAM K

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	8	3	4	2	17
Duplicate	2	1	0	6	9
External	6	3	0	1	16

8.2 User Acceptance Testing

1. Purpose of Document

Fixed	5	1	4	10	20
Not Reproduced	1	2	0	1	4
Skipped	0	0	9	3	12
Won't Fix	2	3	1	1	7
Totals	24	13	18	24	79

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

2. Defect Analysis

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

<i>Section</i>	<i>Total Cases</i>	<i>Not Tested</i>	<i>Fail</i>	<i>Pass</i>
Print Engine	8	0	0	8
Client Application	23	0	0	23
Security	3	0	0	3
Outsource Shipping	2	0	0	2

Exception Reporting	6	0	0	6
Final Report Output	6	0	0	6
Version Control	1	0	0	1

3. Test Case Analysis

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

<i>NFT - Risk Assessment</i>	
Project Name	News Tracker Application
Scope/feature	New
Functional Changes	Low
Hardware Changes	No Changes
Software Changes	Moderate
Impact of Downtime	No Impact of Downtime
Load/Volume Changes	>5 to 10%
Risk Score	ORANGE
Justification	As we have seen the changes

<i>NFT - Detailed Test Plan</i>
--

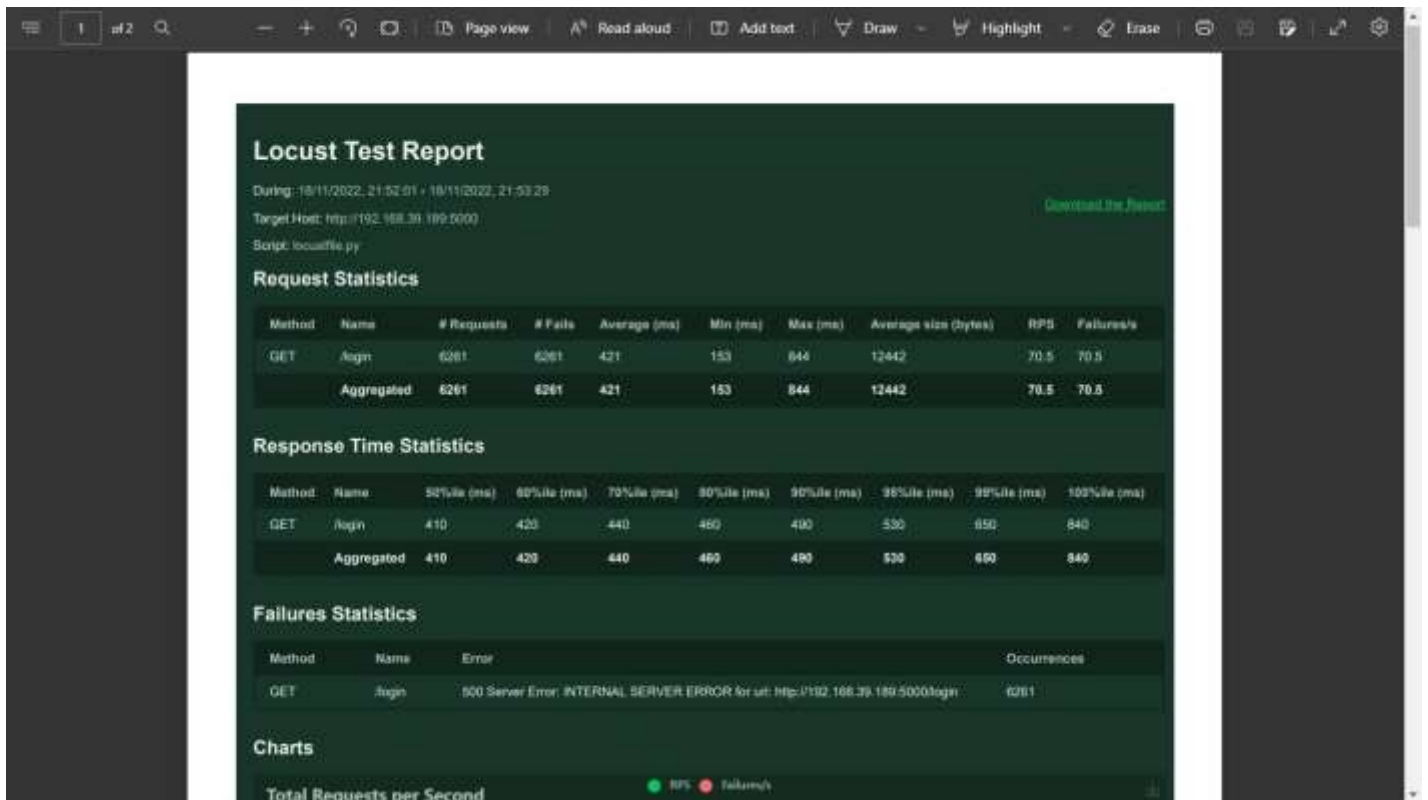
Project Overview	News Tracker Application
NFT Test approach	Locust
Assumptions/Dependencies/Risks	No Risk Factors
Approvals/SignOff	Approved

9. RESULTS

9.1 Performance Metrics

End Of Test Report

Project Overview	News Tracker Application
NFT Test approach	Locust
NFR - Met	Nil
Test Outcome	Working good
GO/NO-GO decision	None
Recommendations	None
Identified Defects(Detected/Closed/Open)	No Defects Identified
Approvals/SignOff	Approved



10. ADVANTAGES & DISADVANTAGES

This news tracker application is easy to readability. Hardcopy newspapers can most times appear threatening unless you have a knack for gulping bulky literary contents. From the front page to the rear there's hardly any space, everywhere is littered with loads of texts in tiny fonts just to conserve space but online, every news is well arranged and spaced. The texts are written in lovely and attractive readable fonts. The columns are carefully arranged in tabs and you can choose whichever you find interesting and consume away. This application has portability and mobility. While a mobile hand-held phone or tab you can access breaking news on-the-go without having to stress yourself holding high volume papers and probably making your neighbour uncomfortable in the cab with your arms widespread. You don't need in inconvenience your seat mate when reading daily Nigerian news from Hynaija, Punch Nigeria, Vanguard Nigeria, Legit.ng (Formerly Nauj.com) or Nairaland etc. The convenience of reading is a huge plus. When you're surfing the web for news, you are entitled to news from as many news online outlet as your patience or time can permit. Different source of news are available to you all in one small digital device. You could even read intercontinental and global news right at the laid-back comfort of the settee in your living room.

Disadvantage of news tracker application is Reading Garbage news daily. With the rise of news blogs all

over the web space, most bloggers can just sit at home and write something out of the blues just to gain traffic for their blog. The legitimacy of news sources online is questionable. The online world is now filled up with falsity, misinterpretation of information, defamation of public characters, unguided and unfounded news. Generally, the public consume garbage information and end up misguided and mislead. The veracity of news being churned out online daily is a major bane of the 21st century information age. The upsurge of digital news all over the country is gradually making print journalism staff who eek a living out of the hustle to be laid off as even the newspapers outfits themselves are now going digital making half of their staff go dispensable. If you'll be publishing online, you don't need a large office space, cleaners, typists, tons of editors, receptionists and every other relevant staff involved in print media.

11. CONCLUSION

In our project work, an attempt has been made to develop a News or information-based website. We develop this project that helps the people and make them aware so that they can know any news. To establish this website, we use various methodologies. To develop this project, we have faced many problems but we hardly tried to develop this project. Our supervisor helps us by giving his valuable opinion, decision and time.

12. FUTURE SCOPE

As for our future development, the following can be done:

- We will manage news reporting system.
 - We can make video conference system.
 - We update our database.
 - We can make Searching System more flexible.
 - Sensibility level could add be added.
-

13. APPENDIX

Source Code

Project working link: <https://newstracker.ml>

Dashboard.css

```
@import url(https://fonts.googleapis.com/css?family=Roboto:300);

.body {

  background-image: url('https://ibm-news-tracker.s3.jp-tok.cloud-object-
storage.appdomain.cloud/loginsignup-backgroud-image.png'); background-repeat: no-repeat; background-
size: cover;

} h4 {

  font-family: Pacifico, cursive;

}

.on-screen

{

  width: 300px;

padding: 2% 0 0; margin: auto;

} .form {

  position: absolute; border-
radius: 25px; right: 40px; border: 5px solid white; z-index: 1; background:
#48c9b0; max-width:
```

360px; margin: 0 auto 80px; padding: 20px; text-align: center;

```
box-shadow: 0 0 20px 0 rgba(0, 0, 0, 0.2), 0 5px 5px 0 rgba(0, 0, 0, 0.24); }

.form button { border:0; background:transparent;
}

.form img { margin-left: 20px; widthwidth: 100px; height:100px; border-radius:
15px;
}

.form button:hover,.form button:focus
{ transform: translateY(-4px);}

.form      button:active { transform: translateY(2px);} body {
background: #76b852; /* fallback for old browsers */

background: -webkit-linear-gradient(right, #76b852, #8DC26F); background: -moz-linear-gradient(right,
#76b852, #8DC26F); background: -o-linear-gradient(right, #76b852, #8DC26F); background: linear-
gradient(to left, #76b852, #8DC26F); font-family: "Roboto", sans-serif;

-webkit-font-smoothing: antialiased;

-moz-osx-font-smoothing: grayscale;
```

}

```
@media(max-width: 1000px)
{
  .body
  {
    background: #48c9b0;   backgroundimage: none;   background-repeat: norepeat;   background-size: cover;
  }  h4
  {
    font-family: Merriweather, serif;   fontsize: 14px;
  }
  .on-screen
{   width: 100%;   padding: 0 0 0;   margin: auto;

}

  .form
{
  position: absolute;   border-radius: 0px;
```

right: 0px; border: 0px solid white; z-index: 1; background: #48c9b0; max-width: 100%;



```
margin:    0      auto  0px;  padding: 20px;  text-align: center;
  box-shadow: 0 0 0px 0 rgba(0, 0, 0, 0), 0 0px 5px 0 rgba(0, 0, 0, 0);
}
.form button
{  border:0;  background:transparent;
}
.container
{
  max-width: 100%;
}
@media(max-width: 459px)
{
  .container .content .category
  {
    flex-direction: column;
  }
}
} news.css h1 {
  font-family: 'Merriweather', sans-serif; font-size: 40px; } h2 {  font-family: 'Crimson Text', serif; font-size:
15px; } h3 {
```

font-family: 'Cormorant Garamond', serif; fontsize: 30px;

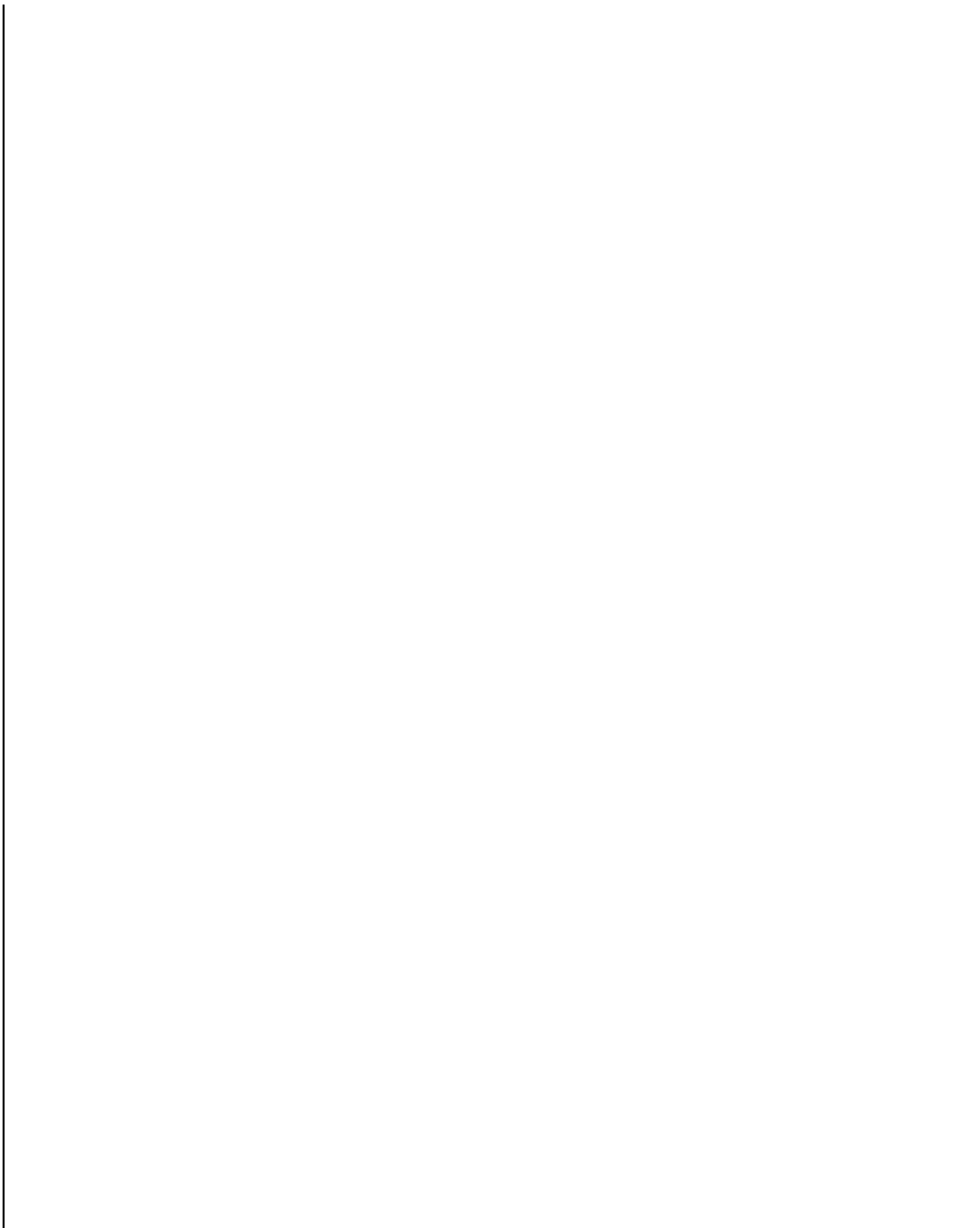
```
}  
.form { position: fixed; borderradius: 0px 0px 50px 50px; top:  
0px; z-index: 0; background: #48c9b0; width: 100%; height: 100px; padding: 0px; text-align: center; margin-  
left: -8px; } .form button { font-family: 'Merriweather', serif; font-size: 18px; font-weight: bold; letter-spacing:  
.1em; outline: 0; background: #17a588; width: 250px; border: 5px; borderradius: 15px; margin: 0px 0px 8px;  
padding: 15px; color:  
#FFFFFF; -webkit-transition: all 0.3 ease; transition: all 0.3 ease; cursor: pointer; transition: all  
0.2s;  
}  
.form button:hover, .form button:focus  
{ background: #148f77; box-shadow: 0 5px 10px rgba(0, 0, 0, 0.2); transform:  
translateY(-4px);
```

}

```
.form button:active { transform:
translateY(2px); box-shadow: 0 2.5px 5px rgba(0, 0, 0, 0.2);
}

@media(max-width: 1000px)
{
.form { position: fixed; border-radius: 0px 0px 50px 50px; top: 0px; z-index: 0; background:
#48c9b0; width:
100%; height:250px; padding: 0px; text-align: center; marginleft:-8px; }
.form button
{
font-family: 'Merriweather', serif; font-size: 25px; font-weight: bold; letter-spacing: .1em; outline:
0;
```

background: #17a588; width: 250px; height: 90px; border: 5; border-radius:15px; margin: 0px 0px



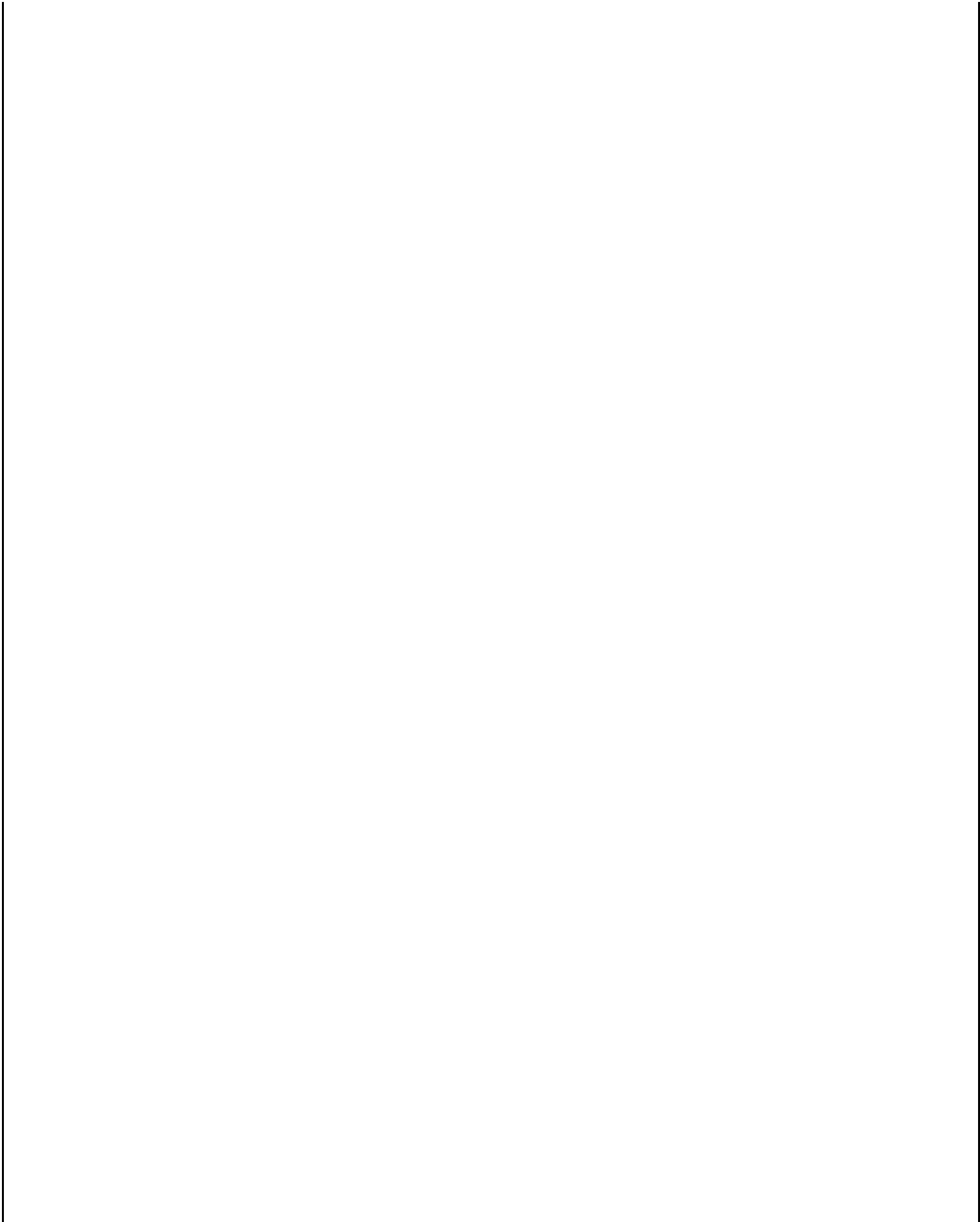
```
8px; padding: 15px; cursorcolor: #FFFFFF; -webkit-transition: all 0.3 ease; transition: all 0.3 ease;
cursor: pointer; transition: all 0.2s;
}
```

pages.css

```
@import url(https://fonts.googleapis.com/css?family=Roboto:300);

.body {
  background-image: url('https://ibm-news-tracker.s3.jp-tok.cloud-object-
storage.appdomain.cloud/loginsignup-backgroud-image.png'); background-repeat: no-repeat; background-
size: cover;
} h1 {
  font-family: 'Merriweather', sans-serif; font-
size: 15px;
} h4 {
  font-family: Pacifico, cursive;
}
.on-screen { width: 300px; padding: 2% 0 0; margin: auto;
}
.form {
  position: absolute; border-radius: 25px;
```

right: 40px; border: 5px solid white; z-index: 1; background: #48c9b0; max-width: 360px; margin:



```
0 auto 80px; padding: 20px; text-align: center;
box-shadow: 0 0 20px 0 rgba(0, 0, 0, 0.2), 0 5px 5px 0 rgba(0, 0, 0, 0.24); }
.form input {
font-family: FontAwesome, "Pacifico", cursive;
outline: 0;
background: #f2f2f2; width: 80%; height: 40px; border: 0; margin: 0 0 15px; padding: 15px; boxsizing:
border-box; font-size: 20px; border-radius:10px; } .form button { font-family:
'Merriweather', serif; font-size: 18px; font-weight: bold; letterspacing: .1em; outline: 0; background: #17a588;
width: 50%; border: 5; borderradius:15px; margin: 0px 0px 8px; padding: 15px; color:
#FFFFFF; -webkit-transition: all
```

0.3 ease; transition: all 0.3 ease; cursor: pointer; transition: all 0.2s;

```
}

.form button:hover,.form button:focus
{
    background: #148f77;
    box-shadow: 0 5px 10px rgba(0, 0, 0, 0.2); transform: translateY(-4px);
}

.form button:active
{ transform: translateY(2px); box-shadow: 0 2.5px 5px rgba(0, 0, 0, 0.2);
} body {
    background: #76b852; /* fallback for old browsers */ background: -webkit-linear-gradient(right, #76b852,
#8DC26F); background: -moz-linear-gradient(right, #76b852, #8DC26F); background: -o-linear-
gradient(right, #76b852, #8DC26F); background: linear-gradient(to left, #76b852, #8DC26F); fontfamily:
"Roboto", sans-serif;
    -webkit-font-smoothing: antialiased;
    -moz-osx-font-smoothing: grayscale;
}

@media(max-width: 1000px)
{
    .body
```

{

```
background: #48c9b0; backgroundimage: none; background-repeat: norepeat;
    background-size: cover;
}
.on-screen
{
    width: 100%; padding: 0 0 0; margin: auto;
}
.form
{
    position: absolute; border-radius: 0px;
right: 0px; border: 0px solid white; z-index: 1; background: #48c9b0; max-width: 100%;
margin: 0 auto 0px; padding: 20px; textalign: center;
    box-shadow: 0 0 0px 0 rgba(0, 0, 0, 0), 0 0px 5px 0 rgba(0, 0, 0, 0);
}
.form input
{
    font-family: FontAwesome,'Merriweather', serif;
```

outline: 0; background: #f2f2f2; width: 280px;

```
height: 50px; border: 0; margin: 0 0 15px; padding: 15px; boxsizing: border-box; font-size: 20px;
border-radius: 10px;
} h4
{ font-family: Merriweather, serif; font-size: 14px;
}
.form button { font-family: 'Merriweather', serif; font-size: 18px; fontweight: bold; letter-spacing:
.1em; outline: 0; background: #17a588; width: 280px; border: 5px; border-radius: 15px; margin: 0px
0px 8px; padding: 15px; color: #FFFFFF;
-webkit-transition: all 0.3 ease; transition: all 0.3 ease; cursor: pointer; transition: all 0.2s;
}
```

.container

```
{ max-width: 100%; }

@media(max-width: 459px)
{ .container .content .category
  { flex-direction: column; }
}
```

dashboard.html

```
<html>

<head>

  <title>DASHBOARD</title>

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <meta charset="utf-8">

  <link rel="stylesheet" type="text/css" href="{ { url_for('static', filename='dashboard.css') } }">

  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/4.7.0/css/fontawesome.min.css">

  <script src="https://unpkg.com/@lottiefiles/lottie-player@latest/dist/lottie-player.js"></script>

  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp"
crossorigin="anonymous">

  <script>

    window.watsonAssistantChatOptions =

      {

        integrationID: "78eea96f-f7bf-4a38-bd83-3eac507aacb7", // The ID of this integration.
region: "au-syd", // The region your integration is hosted in.      serviceInstanceID: "a57bbab3-1d2e4714-ae9b-
c3c2c507ef41", // The ID of your service instance.

        onLoad: function(instance) { instance.render(); }

      }
```

};

```
setTimeout(function()
{
    const t=document.createElement('script');

    t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
document.head.appendChild(t);

});
</script>
</head>
<body class="body">
<div class="on-screen">
<div class="form">
<form action="/news" method="POST">
<h4>Welcome,{ {username} }</h4>

<lottie-player src="https://assets7.lottiefiles.com/packages/lf20_d8E2BRvHrr.json" speed="1" style="justify-
content: center;" loop autoplay></lottie-player>

<center><h4>Select one of the below sources.</h4></center>

<button type="submit"name="newsresource" value="google"></button>

<button type="submit"name="newsresource" value="bbc"></button><br><br>

<button type="submit"name="newsresource" value="toi"></button>

<br>

<button type="submit"name="newsresource" value="abc"></button>
```

<p class="message"></p>

```
</form>
</div>
</div>
</body>
</html>
```

forgot.html <html>

```
<head>

<title>FORGOT USERNAME/PASSWORD</title>

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta charset="utf-8">

<link rel="stylesheet" type="text/css" href="{{ url_for('static', filename='pages.css') }}">

<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/4.7.0/css/fontawesome.min.css">

<script src="https://unpkg.com/@lottiefiles/lottie-player@latest/dist/lottie-player.js"></script>    <link
rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp"
crossorigin="anonymous">

    <script>

window.watsonAssistantChatOptions =

{

    integrationID: "78eea96f-f7bf-4a38-bd83-3eac507aacb7", // The ID of this integration.        region: "au-
syd", // The region your integration is hosted in.

    serviceInstanceID: "a57bbab3-1d2e-4714-ae9b-c3c2c507ef41", // The ID of your service instance.

    onLoad: function(instance) { instance.render(); }
```

};

```
setTimeout(function()
{
    const t=document.createElement('script');
    t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
document.head.appendChild(t);
});
</script>
</head>
<body class="body">
<div class="on-screen">
<div class="form">
<form action="/recover" method="POST">
<lottie-player src="https://assets6.lottiefiles.com/private_files/lf30_GjhcdO.json" speed="1"
style="justify-content: center;" loop autoplay></lottie-player><br>
<h4>Forgot your username or password?<br>Don't worry, enter your registered email address here, your
login credentials will be sent to your registered email address.</h4><br>
<input name="email" type="email" placeholder="&#xf007; example@mail.com" required /><br><br>
<h4>{{ msg }}</h4><br>
<button style="width:140px" type="submit">SUBMIT</button>
<button style="width:140px" type="button" onclick="window.location.href='/'">LOGIN</button>
<p class="message"></p>
</form>
</div>
</div>
</body></html> login.html <html>
<head>
```

<title>LOGIN</title>

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta charset="utf-8">
<link rel="stylesheet" type="text/css" href="{{ url_for('static', filename='pages.css') }}">
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/4.7.0/css/fontawesome.min.css">
<script src="https://unpkg.com/@lottiefiles/lottie-player@latest/dist/lottie-player.js"></script>
<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp"
crossorigin="anonymous">

<script>

window.watsonAssistantChatOptions =
{
    integrationID: "78eea96f-f7bf-4a38-bd83-3eac507aacb7", // The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.    serviceInstanceID: "a57bbab31d2e-4714-
ae9b-c3c2c507ef41", // The ID of your service instance.
    onLoad: function(instance) { instance.render(); }
};

setTimeout(function()
{
    const t=document.createElement('script');

    t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);

    });

</script>
</head>
```

<body class="body">

```
<div class="on-screen">

<div class="form">

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

    <lottie-player src="https://assets2.lottiefiles.com/packages/lf20_ky03n5aXvs.json" speed="1"
style="justify-content: center;" loop autoplay></lottie-player><br>

    <button style="width:290px" type="button" onclick="window.location.href='/signup'">CREATE AN
ACCOUNT</button><br>

    <button style="width:290px" type="button" onclick="window.location.href='/forgot'">FORGOT
USERNAME/PASSCODE</button><br>

    <input name="username" type="text" placeholder="⌘; Username" required />

    <input name="password" type="password" id="password" placeholder="⌘; Password"
required/><br>

    <i class="fas fa-eye" onclick="show()"></i><br>

    <h4>{{ msg }}</h4><br>

    <button style="width:135px" type="submit">LOGIN</button>

    <p class="message"></p>

  </form>

</div>

</div> <script>  function show()

{

  var password = document.getElementById("password");
var icon = document.querySelector(".fas")  if(password.type === "password")

{

  password.type = "text";
```

```
} else {
```

```
        password.type = "password";
    }
};
</script>
</body> </html> newaccount.html
<html>
<head>
    <title>NEW ACCOUNT</title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta charset="utf-8">
    <link rel="stylesheet" type="text/css" href="{{ url_for('static', filename='pages.css') }}"> <link
rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <script src="https://unpkg.com/@lottiefiles/lottie-player@latest/dist/lottie-player.js"></script>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp"
crossorigin="anonymous">
    <script>
        window.watsonAssistantChatOptions =
        {
            integrationID: "78eea96f-f7bf-4a38-bd83-3eac507aacb7", // The ID of this integration.
            region: "au-syd", // The region your integration is hosted in.        serviceInstanceID: "a57bbab3-1d2e4714-ae9b-
c3c2c507ef41", // The ID of your service instance.
            onLoad: function(instance) { instance.render(); }
        };
        setTimeout(function()
```

```
{    const t=document.createElement('script');
```

```
t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
document.head.appendChild(t);

});
```

```
</script>
```

```
</head>
```

```
<body class="body">
```

```
<div class="on-screen">
```

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

```
<form action="/login" method="POST">
```

```
<lottie-player src="https://assets2.lottiefiles.com/private_files/lf30_3ghvm6sn.json" speed="1"
style="justify-content: center;" loop autoplay></lottie-player><br>
```

```
<center><h4>Your account has been successfully registered and the login credentials were shared with you
to the registered email address.</h4><br><center>
```

```
<input name="username" type="text" placeholder="&#xf007; Username" required />
```

```
<input name="password" type="password" id="password" placeholder="&#xf023; Password"
required/><br>
```

```
<i class="fas fa-eye" onclick="show()"></i><br><br>
```

```
<button type="submit">LOGIN</button>
```

```
<p class="message"></p>
```

```
</form>
```

```
</div>
```

```
</div> <script> function show()
```

```
{
```

```
var password = document.getElementById("password");
```

```
var icon = document.querySelector(".fas")    if(password.type === "password")
{
    password.type = "text";
}    else    {
    password.type = "password";
}
};
</script>
</body> </html> news.html <html>
<head>
    <meta charset="UTF-8">
    <title>CAD-NEWSTRACKER</title>
    <link rel="stylesheet" type="text/css" href="{ { url_for('static', filename='news.css') } } ">
        <link rel="preconnect" href="https://fonts.googleapis.com">
        <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <script src="https://unpkg.com/@lottiefiles/lottie-player@latest/dist/lottie-player.js"></script>
        <link
href="https://fonts.googleapis.com/css2?family=Cormorant+Garamond:ital,wght@1,700&display=swap"
rel="stylesheet">

        <link href="https://fonts.googleapis.com/css2?family=Crimson+Text&display=swap"
rel="stylesheet">
        <script>
```

```
window.watsonAssistantChatOptions =
```

```
{
  integrationID: "78eea96f-f7bf-4a38-bd83-3eac507aacb7", // The ID of this integration.
  region: "au-syd", // The region your integration is hosted in.      serviceInstanceID: "a57bbab3-1d2e4714-ae9b-
c3c2c507ef41", // The ID of your service instance.

  onLoad: function(instance) { instance.render(); }

};

setTimeout(function()
{
  const t=document.createElement('script');

  t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
  document.head.appendChild(t);

});
</script>
</head>
<body>
<div class="form">
  <form>
    <br><br>
    <button style="margin-right:-2%;" type="button">CAD-NEWSTRACKER</button>
    <button style="margin-left:40%;" type="button"
onclick="window.location.href='/logout'">LOGOUT</button>
    <button type="button" onclick="window.location.href='/dashboard'">DASHBOARD</button>

  </form>
  </div>
<br><br><br><br><br><br>
  { % for news, author,publishedAt, desc,img,content,url in context % }
```

```
<br>

<center><h1>{{ news }}</h1></center><br><br>

<br>

<h2>Published Time: {{ publishedAt }}</h2>

<h2>Author: {{ author }}</h2><br>

<h3>Description: {{ desc }}</h3><br>

<h3>Content: {{ content }}<a href={{ url }} target="blank">Read More...</a></h3><br>

{% endfor %}

</body>

</html>
```

signup.html <html>

```
<head>

<title>SIGN UP</title>

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<meta charset="utf-8" />

<link rel="stylesheet" type="text/css" href="{{ url_for('static', filename='pages.css') }}" />

<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/4.7.0/css/fontawesome.min.css"/>

<script src="https://unpkg.com/@lottiefiles/lottie-player@latest/dist/lottie-player.js"></script>

<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp"
crossorigin="anonymous">

<script>

window.watsonAssistantChatOptions =
```

{

```
integrationID: "78eea96f-f7bf-4a38-bd83-3eac507aacb7", // The ID of this integration.
region: "au-syd", // The region your integration is hosted in.      serviceInstanceID: "a57bbab3-1d2e4714-ae9b-
c3c2c507ef41", // The ID of your service instance.

onLoad: function(instance) { instance.render(); }

};

setTimeout(function()

{

const t=document.createElement('script');

t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
document.head.appendChild(t);

});

</script>

</head>

<body class="body">

<div class="on-screen">

<div class="form">

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

<lottie-player style="height: 300px;" src="https://assets5.lottiefiles.com/packages/lf20_6oomsuir.json"
speed="1" style="justify-content: center" loop autoplay ></lottie-player>

<input type="text" name="fullname" placeholder="Full Name" required/>

<input type="email" name="email" placeholder="Email address" required/>

<input type="text" name="username" placeholder="Username" required/>

<input type="password" name="password" id="password" placeholder="Set a password" required/><br>

<i class="fas fa-eye" onclick="show()"></i><br>

<h4>{{ msg }}</h4><br>

<button style="width:135px" type="submit">SUBMIT</button>
```

<button style="width:135px" type="button" onclick="window.location.href='/'">LOGIN</button>

```
</form>
</div>
</div>
</body>
<script>      function show()
{
    var password = document.getElementById("password");
var icon = document.querySelector(".fas");    if
(password.type === "password")
{
    password.type = "text";
}    else    {    password. type =
"password
";

    }
}
</script>
</html>
```

app.py

```
from flask import Flask,render_template,request,redirect,url_for,session from flask_mail import Mail, Message
```

```
from newsapi import
NewsApiClient import ibm_db import re app=Flask(__name__) mail = Mail(app)
app.config['MAIL_SERVER']='smtp.gmail.com' app.config['MAIL_PORT']
= 465 app.config['MAIL_USERNAME'] = 'cad.newstracker@gmail.com'
app.config['MAIL_PASSWORD'] = '*****' app.config['MAIL_USE_TLS'] = False
app.config['MAIL_USE_SSL'] = True mail = Mail(app) app.secret_key = 'a'
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=ba99a9e6-d59e-4883-8fc0-
d6a8c9f7a08f.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=31321;SECURITY=SSL;SSLServer
Certificate=DigiCertGlobalRootCA.crt;UID=*****;PWD=*****",'') global newsresource
@app.route('/') def home():

    return render_template('login.html')

@app.route('/signup') def signup():

    return render_template('signup.html')

@app.route('/forgot') def forgot():

    return render_template('forgot.html')

@app.route('/dashboard') def dashboard():

    if(session['loggedin']==True):

        return render_template('dashboard.html',username=session['fullname'])

    return render_template('login.html')
```

```
@app.route('/login',methods=['GET','POST']) def login():      global userid      msg=' '      if
```

```
request.method=='POST':

    username = request.form['username']
password = request.form['password']

    sql = "SELECT * FROM NTAAC WHERE username = ? AND password = ?"
stmt = ibm_db.prepare(conn,sql)          ibm_db.bind_param(stmt,1,username)
ibm_db.bind_param(stmt,2,password)       ibm_db.execute(stmt)

    account = ibm_db.fetch_assoc(stmt)

if account:

    session['loggedin'] = True

    session['id'] =      account['USERNAME']          userid=
account['USERNAME']      session['username'] =      account['USERNAME']
session['fullname']=account['FULLNAME']              session['email'] = account['EMAIL']

msg =
'Logged in successfully !'

    return render_template('dashboard.html',username=session['fullname'])

else:

    msg = 'Incorrect username / password !'

return render_template('login.html',msg=msg)


@app.route('/register',methods=['GET','POST']) def register():    if request.method=='POST':

    fullname = request.form['fullname']

username = request.form['username']          email = request.form['email']          password
= request.form['password']
```

queryone = "SELECT * FROM NTAAC WHERE username = ? "

```

stmtone = ibm_db.prepare(conn,queryone)
ibm_db.bind_param(stmtone,1,username)          ibm_db.execute(stmtone)
        userexist = ibm_db.fetch_assoc(stmtone)
        querytwo = "SELECT * FROM NTAAC WHERE email = ? "
stmttwo = ibm_db.prepare(conn,querytwo)          ibm_db.bind_param(stmttwo,1,email)
ibm_db.execute(stmttwo) emailexist = ibm_db.fetch_assoc(stmttwo)

        if emailexist:
            msg="Email id already exist!"
elif userexist:
            msg="Username id already exist!"
else:
            insert_sql="INSERT INTO NTAAC VALUES(?, ?, ?, ?)"
prep_stmt=ibm_db.prepare(conn,insert_sql)          ibm_db.bind_param(prepare_stmt,1,fullname)
ibm_db.bind_param(prepare_stmt,2,email)          ibm_db.bind_param(prepare_stmt,3,username)
ibm_db.bind_param(prepare_stmt,4,password)          ibm_db.execute(prepare_stmt)

            msg = Message('CAD-NEWSTRACKER Account Created Successfully',sender
='cad.newstracker@gmail.com',recipients = [email])

            msg.body = ("Welcome to CAD-NEWSTRACKER, your account was successfully registered
with us."+"\n\n\n"+"Your login credentials are:"+"\n\n"+"Username: "+username+"\n"+"Password:
"+password+"\n\n\n"+"Happy Reading....."+"\n\n\n\n"+"With regard,"+"\n"+"CAD-NEWSTRACKER")
mail.send(msg)

            return render_template('newaccount.html')

return render_template('signup.html',msg=msg)          @app.route('/recover',methods=['GET','POST']) def
recover():

```

```
if request.method=='POST':
```

```
email = request.form['email']

query = "SELECT * FROM NTAAC WHERE email = ? "

stmt = ibm_db.prepare(conn,query)

ibm_db.bind_param(stmt,1,email)          ibm_db.execute(stmt)

emailexist = ibm_db.fetch_assoc(stmt)

if emailexist:

    queryone=("SELECT * FROM NTAAC WHERE EMAIL =?")

    stmtone = ibm_db.prepare(conn,queryone)

    ibm_db.bind_param(stmtone,1,email)          ibm_db.execute(stmtone)

    credentials = ibm_db.fetch_assoc(stmtone)

    username=str(credentials['USERNAME'])          password=str(credentials['PASSWORD'])

    msg = Message('CAD-NEWSTRACKER Login Credentials',sender
='cad.newstracker@gmail.com',recipients = [email])

    msg.body = ("Request for sending your login credentials was completed
successfully."+"\\n\\n\\n"+"Your login credentials are:"+"\\n\\n"+"Username: "+username+"\\n"+"Password:
"+password+"\\n\\n\\n"+"Happy Reading....."+"\\n\\n\\n\\n"+"With regard,"+"\\n"+"CAD-NEWSTRACKER")
    mail.send(msg)

    msg="Login credentials sent to your mail successfully....."

email=' '

    return render_template('login.html',msg=msg)

else:

    msg="Email id not found."

    return render_template('forgot.html',msg=msg)

@app.route('/news',methods=['GET','POST']) def news():
```

```
newsapi = NewsApiClient(api_key="*****")    if request.method == 'POST':
```

```
if(request.form['newsresource']=="google"):

    newsresource="google-news-in"                msg="GOOGLE NEWS"

elif(request.form['newsresource']=="bbc"):

    newsresource="bbc-news"                      msg="BBC NEWS"

elif(request.form['newsresource']=="toi"):

    newsresource="the-times-of-india"            msg="Times of India"

elif(request.form['newsresource']=="abc"):

    newsresource="abc-news"                      msg="ABC NEWS"

    topheadlines = newsapi.get_top_headlines(sources=newsresource)    articles = topheadlines['articles']

news = []    author = []    publishedAt=[]    desc=[]    img = []    content=[]    url=[]    for i in
range(len(articles)):                myarticles = articles[i]                news.append(myarticles['title'])
author.append(myarticles['author'])                publishedAt.append(myarticles['publishedAt'])
desc.append(myarticles['description'])                img.append(myarticles['urlToImage'])
content.append(myarticles['content'])                url.append(myarticles['url'])

    mylist = zip(news, author,publishedAt, desc,img,content,url)    return render_template('news.html',
context = mylist) @app.route('/logout') def logout():

    session['loggedin']=False

session.pop('id', None)
```

```
session.pop('username', None)    msg="Logged out successfully....."    return
```

```
render_template('login.html',msg=msg)
```

```
if __name__ == '__main__':
```

```
    app.run(host='0.0.0.0', port=5000, debug=True, threaded=True)
```

deployment.yaml apiVersion: apps/v1 kind: Deployment metadata:

name: cad-newstracker-deployment spec:

replicas: 1 selector: matchLabels: app: newstracker template:

metadata: labels: app: newstracker spec: containers:

- name: newstracker image: us.icr.io/newstracker/cad imagePullPolicy: Always ports:

- containerPort: 5000

Dockerfile

FROM python:3.6

WORKDIR /app

```
ADD ./app
COPY requirements.txt /app
RUN python3 -m pip install -r requirements.txt
RUN python3 -m pip install ibm_db
RUN python3 -m pip install newsapi-python
RUN python3 -m pip install flask_mail
RUN python3 -m pip install flask
EXPOSE 5000
CMD ["python", "app.py"]
```

Requirements

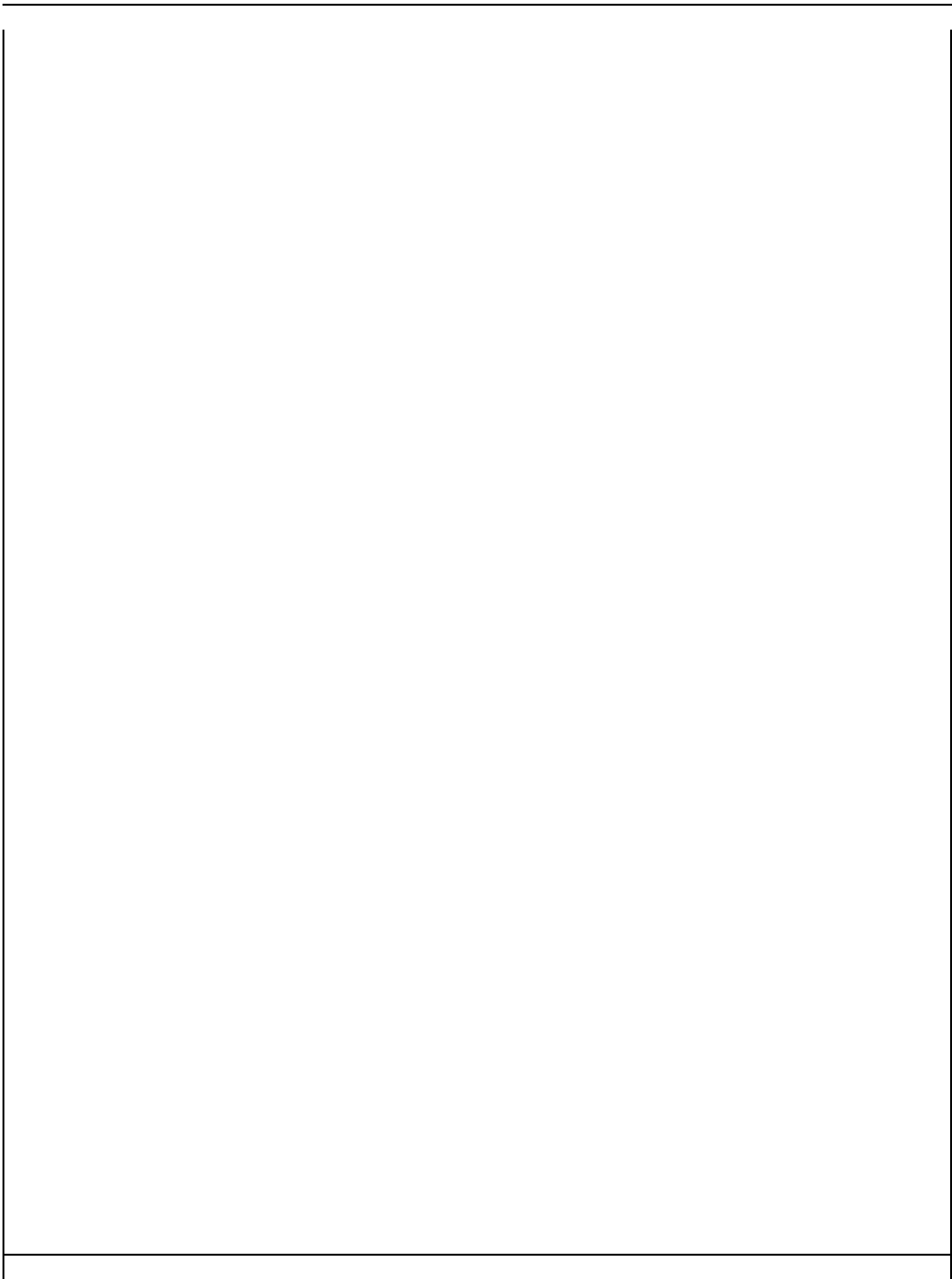
flask flask_mail newsapi-python ibm_db

service.yaml

apiVersion: v1 kind: Service metadata:

```
  name: cad-newstracker-deployment spec: ports: - port: 5000    targetPort: 5000    selector:    app:
newstracker
```

Screenshots



NEWS

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



Forgot your username or password?
Don't worry, enter your registered email
address here, your login credentials will be
sent to your registered email address.

SUBMIT

LOGIN



NEWS

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



Hi! I'm a virtual assistant. How
can I help you today?

Example: Find nearby location

Example: Check account balance

Example: See how I can help



Built with IBM Watson®

NEWS

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

Welcome, SRIRAM K



Select one of the below sources.



IBM Cloud

Search resources and products...



Catalog

Manage

SRIRAM K's Account



Clusters



Normal

Expires in 26 days

Add tags

Help

Kubernetes dashboard

Actions...

Overview

Worker nodes

Worker pools

DevOps

New

Expires in 26 days:

Be sure to back up your data, your cluster will be deleted in 26 days. To access the full capabilities of the service, try out a [standard cluster](#).

Node status

1 of 1

Normal

Details

Add-on status

0 of 0

Normal

Details

Master status

Normal

Docs

Ingress status

Healthy

Docs

Details

Cluster ID

cdp6vkgz81enugunjc1e

Version

1.24.7_1542

Infrastructure

Classic

Zones

Milan 01

Created

11/14/2022, 10:11 PM

Resource group

Default

Image security enforcement

Enable

Node health

Worker node details

IBM Cloud

Search resources and products...

Catalog

Manage

SRIRAM K's Account

Help

Kubernetes dashboard

Actions...

Clusters /

rmx

Normal

Expires in 26 days

Add tags

Overview

Worker nodes

Worker pools

DevOps

Pool: Filter...

Search

Add

<input type="checkbox"/>	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input type="checkbox"/>	00000053	Normal	default	Milan 01	10.144.185.227	159.122.187.10	1.24.7_1543

ID

kube-cdp6vkgf0lenugunjcf0-rmx-default-00000053

Status

Flavor

Free - 2 vCPUs 4GB RAM

Private VLAN

2218181

Public VLAN

2218179

Items per page: 25

1-1 of 1 item

1

1 of 1 page

IBM Cloud

Search resources and products...

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SRIRAM K's Account

Help

Kubernetes dashboard

Actions...

Clusters /

rmx

Normal

Expires in 26 days

Add tags

Overview

Worker nodes

Worker pools

DevOps

Pool: 1 X Filter...

Search

Add

<input type="checkbox"/>	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input type="checkbox"/>	00000053	Normal	default	Milan 01	10.144.185.227	159.122.187.10	1.24.7_1543

ID

kube-cdp6vkgf0lenugunjcf0-rmx-default-00000053

Status

Flavor

Free - 2 vCPUs 4GB RAM

Private VLAN

2218181

Public VLAN

2218179

Items per page: 25

1-1 of 1 item

1

1 of 1 page

IBM Cloud

Search resources and products...

Q

Catalog

Manage

SRIRAM K's Account

?

Container Registry

Quick start

Namespaces1

Repositories1

Images1

Trash0

Settings

Namespaces

Location

Dallas

Viewing filtered namespaces

A filter is applied so that only the namespace newstracker is included in the table.

Show all namespaces

Resource group

Filter...

Q

Search

Create

+

<input type="checkbox"/>	Name	Resource group	Repository count	Image count	Retention policy		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	newstracker	Default	1	1	Retain all images	
Repository			Image count		Last updated		
		us.icr.io/newstracker/cad	1	1	5 hours ago		

Items per page:

25

1-1 of 1 item

1

1 of 1 page

IBM Cloud

Search resources and products...

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Container Registry

Quick start

Namespaces1

Repositories1

Images1

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Search

Create

+

<input type="checkbox"/>	Name	Image count	Namespace	Last updated				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	cad	1	newstracker	5 hours ago			
		us.icr.io/newstracker/cad						
Digest		Manifest type	Tags	Created	Size	Security status		
		b06966d4349e	Docker	latest	5 hours ago	436 MB	102 issues	

Items per page:

25

1-1 of 1 item

1

1 of 1 page

IBM Cloud

Search resources and products...

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Container Registry

Quick start

Namespaces1

Repositories1

Images1

Trash0

Settings

Images


Location

Dallas

View by: Digest

Search

Create

Repository@digest	Tags	Manifest type	Created	Size	Security status
 newstracker/cad@sha256:b06966d4349e...	latest	Docker	5 hours ago	436 MB	102 issues

Items per page: 251-1 of 1 item

11 of 1 page

IBM Cloud

Search resources and products...

Catalog

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SRIRAM K's Account

Cloud Object Storage

Storage Instances

Cloud Object Storage-kt

Buckets

Integrations

Endpoints

Usage details

Service credentials










Connections

Plan

If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads [Learn more](#)

Prefix filter

Upload

Object name	Archived	Size	Last modified
 abc.jpg		5.3 KB	2022-11-13 7:56 PM
 bbc.jpg		35.4 KB	2022-11-13 7:56 PM
 chat-bot.jpg		1.6 KB	2022-11-17 9:57 PM
 deployment.yaml		429 bytes	2022-11-18 1:36 PM
 google.jpg		71.5 KB	2022-11-13 7:56 PM
 login-signout-id-image.png		321.0 KB	2022-11-12 9:42 PM
 service.yaml		176 bytes	2022-11-18 1:36 PM
 the_line.png		14.1 KB	2022-11-13 5:07 PM
 tol.jpg		3.5 KB	2022-11-13 7:56 PM

IBM Watson Assistant LiteUpgradeAssignment

Home

Create a conversation

0 steps left 0 min

100%

Create your first action

5 min

Create steps

5 min

Add 5 examples

5 min

Share with your team

0 steps left 0 min

100%

Preview your assistant

2.5 min

Share your assistant

2.5 min

IBM Db2 on Cloud

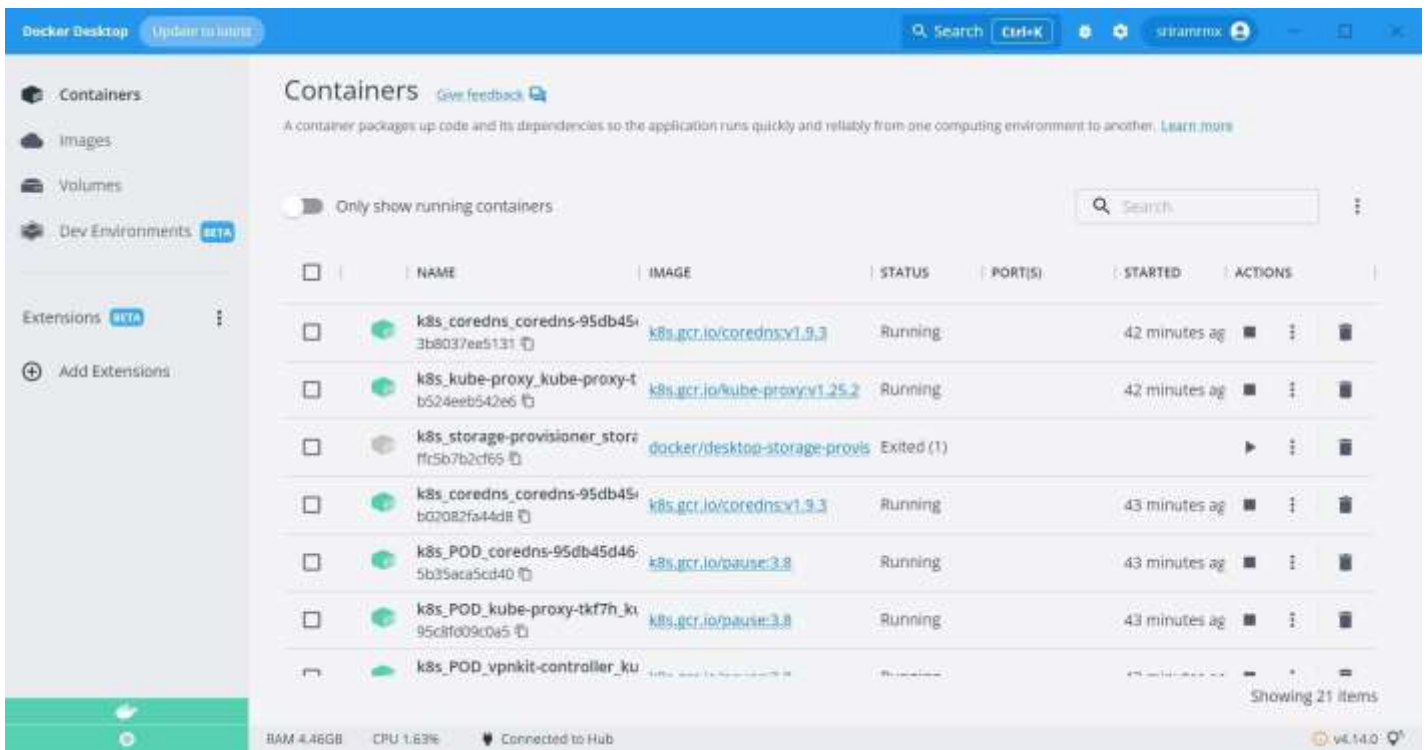
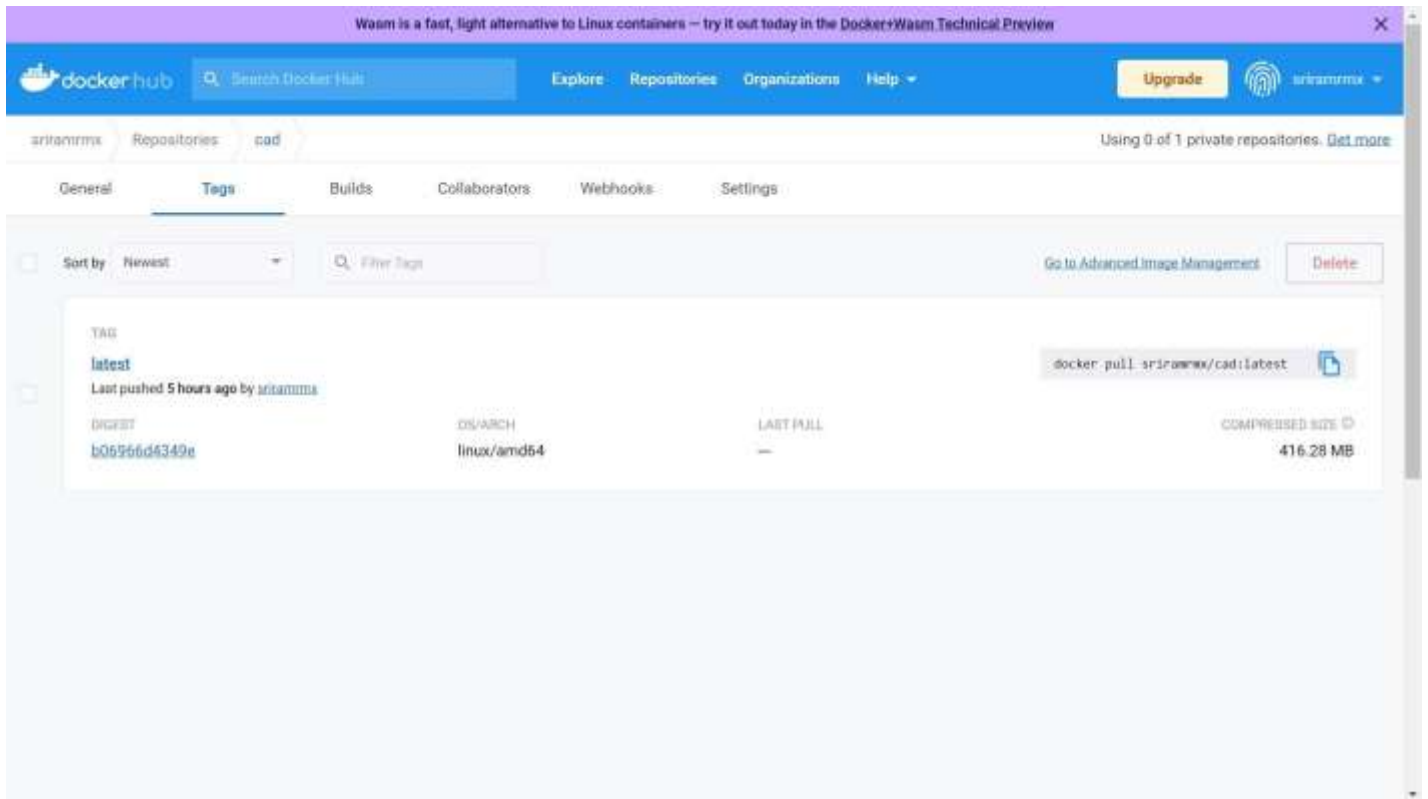
Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects

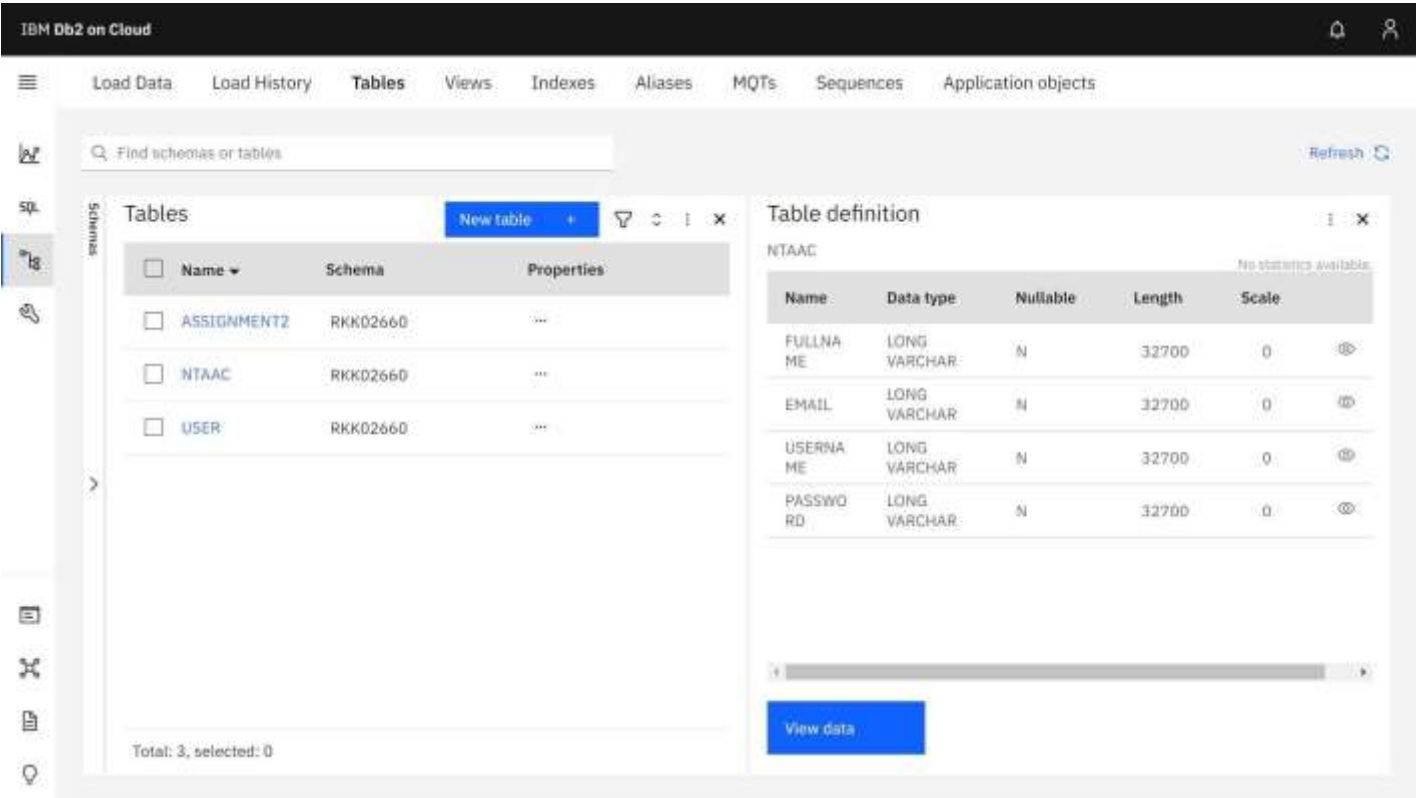
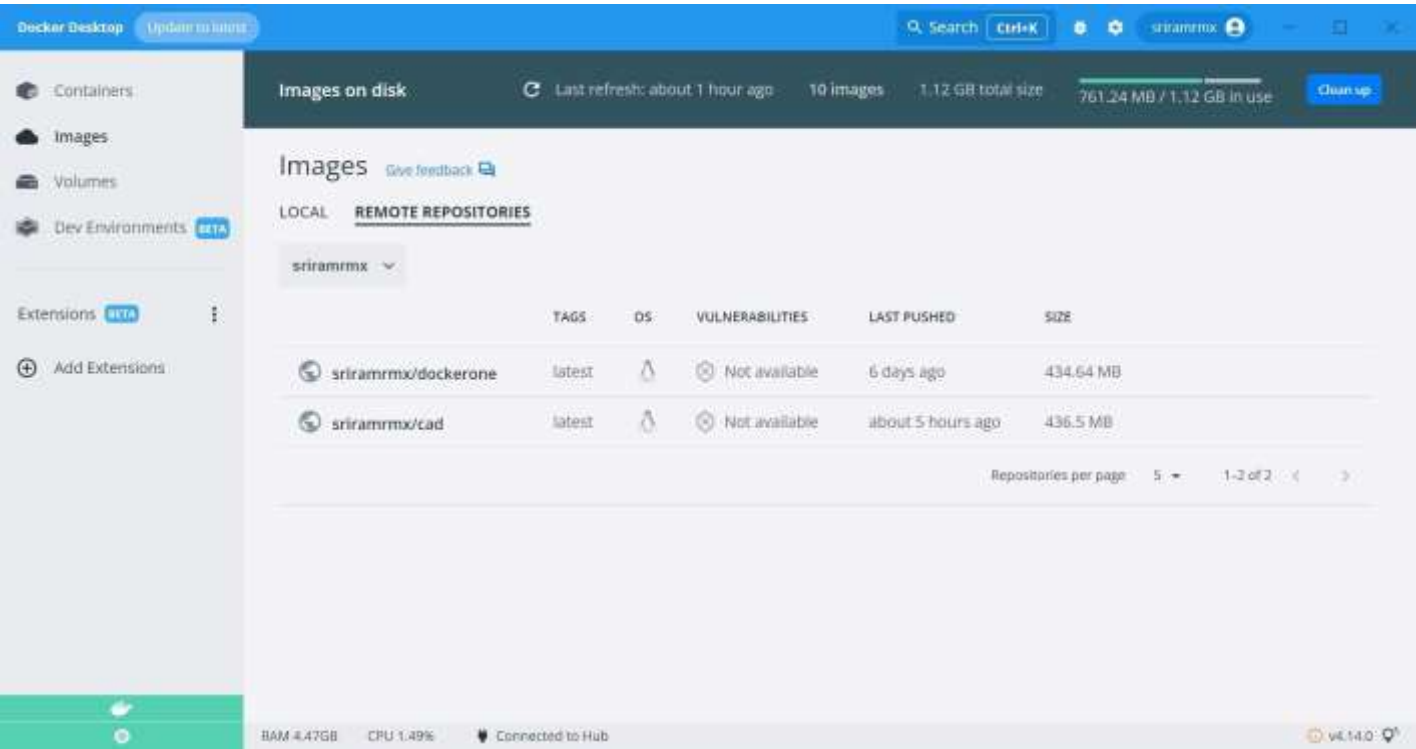
RKK02660.NTAAC

Back

Export to CSV

FULLNAME	EMAIL	USERNAME	PASSWORD
SRIRAM K	sriram.rmx@gmail.com	sriram.rmx	Sriram@123
Naveen	naveenmanivannan2002@gmail.com	NAVEEN M	Nave_2002
Jawahar	2001sjawahar@gmail.com	7708241959	7708241959
KISHORE S	kishorerisi25@gmail.com	kishore-25	25012002
Santhosh n	iamrisanthosh@gmail.com	Santhosh	santhosh@123
viknesh	ktviknesh@gmail.com	vikneshkt	abc123





Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at <https://ibmcloud.com/go/access-tokens/>

```
C:\windows\system32>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: us-east
```

```
Email> 731119205043@smartinternz.com
```

```
Password>
Authenticating...
```

OK

```
Targeted account SRIRAM K's Account (62c6c90806884b3a8a39867c980ba1a1)
```

```
API endpoint: https://cloud.ibm.com
Region: us-east
User: 731119205043@smartinternz.com
Account: SRIRAM K's Account (62c6c90806884b3a8a39867c980ba1a1)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:
```

```
C:\windows\system32>ibmcloud cr login
Logging 'docker' in to 'us.icr.io'...
Logged in to 'us.icr.io'.
```

OK

```
C:\windows\system32>kubectl get nodes
NAME STATUS ROLES AGE VERSION
10.144.185.227 Ready <none> 3d16h v1.24.7+IKS
```

```
C:\windows\system32>kubectl get pods
NAME READY STATUS RESTARTS AGE
cad-newstracker-deployment 1/1 Running 0 18m
cad-newstracker-deployment-6c9b677bdc-wdtcs 1/1 Running 0 20m
flask-node-deployment-9cdc4bf8-5v4tm 1/1 Running 0 2d16h
```

```
C:\windows\system32>kubectl get depolyment
error: the server doesn't have a resource type "depolyment"
```

```
C:\windows\system32>_
```

OK

C:\windows\system32>kubect1 get nodes

NAME	STATUS	ROLES	AGE	VERSION
10.144.185.227	Ready	<none>	3d16h	v1.24.7+IKS

C:\windows\system32>kubect1 get pods

NAME	READY	STATUS	RESTARTS	AGE
cad-newstracker-deployment	1/1	Running	0	18m
cad-newstracker-deployment-6c9b677bdc-wdtcs	1/1	Running	0	20m
flask-node-deployment-9cdc4bf8-5v4tm	1/1	Running	0	2d16h

C:\windows\system32>kubect1 get depolyment

error: the server doesn't have a resource type "depolyment"

C:\windows\system32>kubect1 get services

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
cad-newstracker-deployment	ClusterIP	172.21.91.203	<none>	5000/TCP	20m
dockerone	NodePort	172.21.131.50	<none>	88:31364/TCP	2d16h
flask-node-deployment	ClusterIP	172.21.227.148	<none>	88/TCP	2d16h
kubernetes	ClusterIP	172.21.0.1	<none>	443/TCP	3d16h
newstracker	NodePort	172.21.108.222	<none>	5000:32251/TCP	17m

C:\windows\system32>

flask-node-deployment	ClusterIP	172.21.227.148	<none>	88/TCP	2d16h
kubernetes	ClusterIP	172.21.0.1	<none>	443/TCP	3d16h
newstracker	NodePort	172.21.108.222	<none>	5000:32251/TCP	17m

C:\windows\system32>kubect1 describe service newstracker

Name: newstracker
Namespace: default
Labels: <none>
Annotations: <none>
Selector: app=newstracker
Type: NodePort
IP Family Policy: SingleStack
IP Families: IPv4
IP: 172.21.108.222
IPs: 172.21.108.222
Port: <unset> 5000/TCP
TargetPort: 5000/TCP
NodePort: <unset> 32251/TCP
Endpoints: 172.30.159.221:5000
Session Affinity: None
External Traffic Policy: Cluster
Events: <none>

C:\windows\system32>

```
C:\windows\system32>ibmcloud cs workers --cluster cdp6vkgf0lenugunjcf0
OK
ID                               Public IP       Private IP      Flavor  State  Stat
us   Zone   Version
kube-cdp6vkgf0lenugunjcf0-rmx-default-00000053  159.122.187.10  10.144.185.227  free   normal Read
y   mil01   1.24.7_1543

C:\windows\system32>kubect1 get services
NAME                                TYPE        CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
cad-newstracker-deployment         ClusterIP    172.21.91.203   <none>           5000/TCP          23m
dockerone                         NodePort     172.21.131.50   <none>           88:31364/TCP      2d16h
flask-node-deployment              ClusterIP    172.21.227.148  <none>           88/TCP            2d16h
kubernetes                         ClusterIP    172.21.0.1      <none>           443/TCP           3d17h
newstracker                        NodePort     172.21.108.222  <none>           5000:32251/TCP    20m

C:\windows\system32>kubect1 get pods
NAME                                READY   STATUS    RESTARTS   AGE
cad-newstracker-deployment         1/1     Running   0           22m
cad-newstracker-deployment-6c9b677bdc-wd7cs  1/1     Running   0           24m
flask-node-deployment-9cdc4bf8-5v4tm  1/1     Running   0           2d16h

C:\windows\system32>
```

CAD-NEWSTRACKER

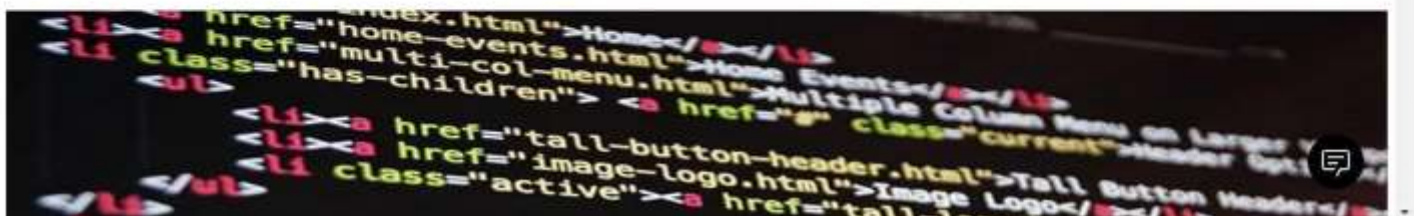
LOGOUT

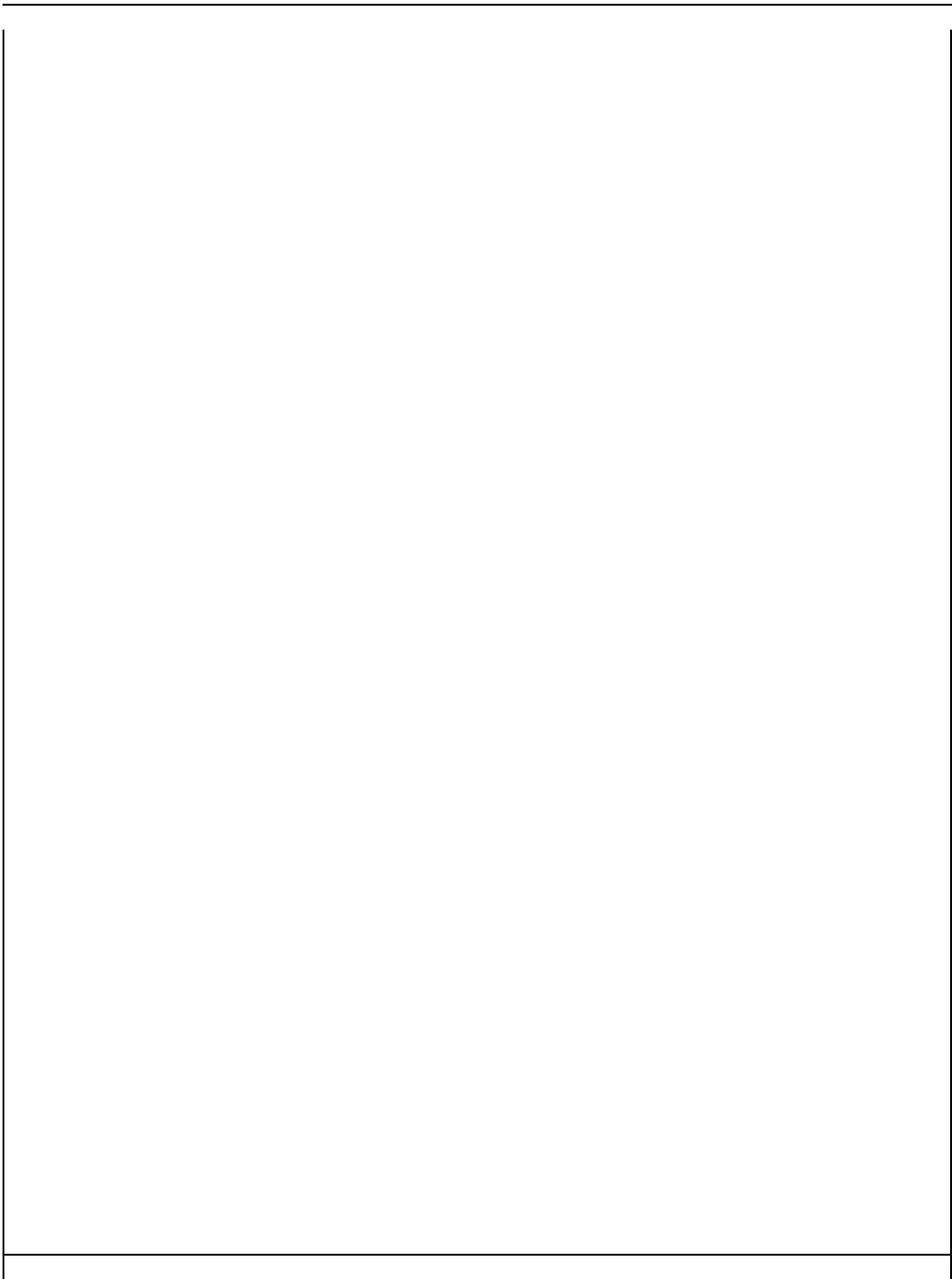
DASHBOARD

Description: Delhi-Mehrauli Murder Case Updates: Shraddha, who was strangled and chopped into 35 pieces by her live-in partner Aaftab, was reportedly assaulted by him in 2020 and was hospitalised for three days, a report quoted her friends as saying

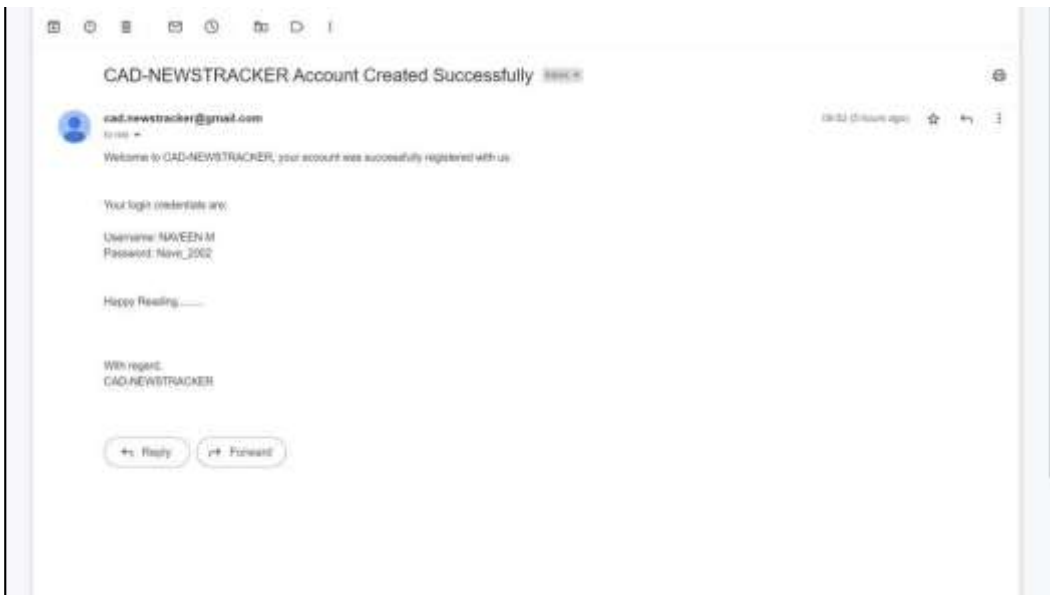
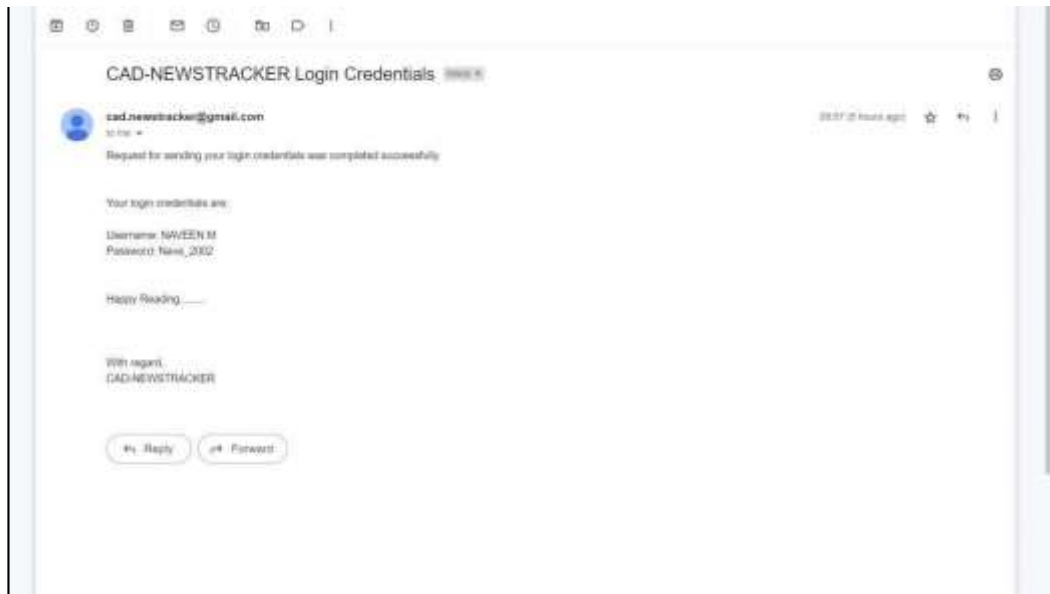
Content: Delhi-Mehrauli Murder Case Updates:Call centre employee Shraddha Walkars live-in-partner Aaftab Poonawala, accused of brutally murdering her in Delhi and chopping her body into 35 pieces is behaving ... [+4438 chars][Read More...](#)

Up To Rs 250-Crore Fine For Personal Data Breach In New Bill: Sources





GitHub Link : <https://github.com/IBM-EPBL/IBM-Project-44614-1660725553>



Project working Link : <https://newstracker.ml>

Project Demo Link : <https://www.youtube.com/watch?v=jKsDleOPle4>