

PROJECT REPORT

NEWS TRACKER APPLICATION

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TABLE OF FIGURES

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

News Tracker Application

1.INTRODUCTION

A news application is a big interactive database that tells a news story. Think of it like you would any other piece of journalism. It just uses software instead of words and pictures. By showing each reader data that is specific to them, a news app can help each reader understand a story in a way that's personally meaningful to them. It can help a reader understand their personal connection to a broad national phenomenon, and help them attach what they know to what they don't know, and thereby encourage a deep understanding of abstract concepts. We tend to build news apps when we have a dataset (or think we can acquire a dataset) that is national in scope yet granular enough to expose meaningful details. A news app should tell a story, and just like any good news story, it needs a headline, a byline, a lead, and a nut graph. Some of these concepts can be hard to distinguish in a piece of interactive software, but they're there if you look closely. Also, a news app should be generative — meaning it should generate more stories and more reporting. ProPublica's best apps have been used as the basis for local stories. A news application is a big interactive database that tells a news story. Think of it like you would any other piece of journalism. It just uses software instead of words and pictures. News Tracker is an application designed to enhance and optimize the way that 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 using sentimental analysis.

1.1 PROJECT OVERVIEW

As news is increasingly accessed on smartphones and tablets, the need for personalising news app interactions is apparent. We report a series of three studies addressing key issues in the development of adaptive news app interfaces. We first surveyed users' news reading preferences and behaviours; analysis revealed three primary types of reader. We then implemented and deployed a news app that logs users' interactions with the app. We used the logs to train a classifier and showed that it is able to reliably recognise a user according to their reader type. News Tracker Application has been used as one of the communication channels for spreading breaking news. We propose a method to collect, group, rank and track breaking news. Since short length messages make

similarity comparison difficult, we boost scores on proper nouns to improve the grouping results. Each group is ranked based on popularity and reliability factors. Current detection method is limited to facts part of messages. Users can discover breaking news from the timeline. Each story is provided with the information of message originator, story development and activity chart. This provides a convenient way for people to follow breaking news and stay informed with real-time updates. Finally we evaluated alternative, adaptive user interfaces for each reader type. The evaluation demonstrates the differential benefit of the adaptation for different users of the news app and the feasibility of adaptive interfaces for news app

2. LITERATURE SURVEY

2.1 Existing problem

we will take a look at all the previous solutions, attempts and implementations of the news tracking application or anything that is at least vaguely connected with it.

Paper Details	Tools & Techniques	Pros & Cons	Reference
Covid news tracker application	<ul style="list-style-type: none">• Bluetooth• Random APIIDs• Artificial Intelligence	<p>Pros:</p> <ul style="list-style-type: none">✓ Contact tracing is a system used to slow the spread of infectious diseases like coronavirus.✓ Easy identification of patients even in rural areas. <p>Cons:</p> <ul style="list-style-type: none">○ Collection of user sensitive data.○ Only 60% users have Smart Phones.	https://tech.newstatesman.com/security/nhs-covid-19-contact-tracing-app-rollout

Explo ring mobil e news app	<ul style="list-style-type: none"> • NLP (Nature Language Processing) • Vectorization • News Tracking 	<p>Pros:</p> <ul style="list-style-type: none"> ✓ Easy access & Quick Updating. ✓ High portable & No cost. <p>Cons:</p> <ul style="list-style-type: none"> o Can cause distractions constantly from notifications. o Can cause EYE strain & Mental Tiredness. 	https://tech.topic/detection-and-track-in-news-article_s
News app withou t spam	<ul style="list-style-type: none"> • Spam detecti on • Validation • Filtering 	<p>Pros:</p> <ul style="list-style-type: none"> ✓ User relevant resources accessibility. ✓ User friendly environment. <p>Cons:</p> <ul style="list-style-type: none"> o Less effective detection of spam may identify relevant information as spam. 	<p>Bartolotta, Devin (9 December 2016), "Hillary Clinton Warns About Hoax News On Social Media", WJZ-TV, retrieved 11 December 2016</p>

Pretties t news aggreg ator	<ul style="list-style-type: none"> • Multim edia tools • Feed filtering • Broa d catch ing 	<p>Pros:</p> <ul style="list-style-type: none"> ✓ It can be installed in either your email application or in the browser to deliver and receive the latest news. ✓ This is a great feature for those who are obsessed with the latest information, latest news updates and latest happenings of the world that are updated on the web. <p>Cons:</p> <ul style="list-style-type: none"> ○ It is not much secured and can be exposed to several problems. ○ Most of the news aggregators these days come unorganized. 	<p>Hammersley , Ben (2005). Developing Feeds with RSS and Atom (https://archive.org/details/developingfeedsw0000hamm). Sebastopol: O'Reilly Media, Inc. ISBN (https://en.m.wikipedia.org/wiki/ISBN_(identifier)) 978-0-596-00881-9 (https://en.m.wikipedia.org/wiki/Special:BookSources/978-0-596-00881-9)</p>
Interact ive news everyd ay	<ul style="list-style-type: none"> • Java Script & HTML • MySQL • Validation 	<p>Pros:</p> <ul style="list-style-type: none"> ✓ Interactive notification. ✓ Extensive designing forums. 	<p>https://medium.muz.li/case-study-interactive-news-for-you-every-day-68ed8e29f6aa?gi</p>

		✓ Regional Language support.	<u>=df758cad5a5c</u>
		Cons: <ul style="list-style-type: none"> o Conclusion of the news either true or false. 	
Fake news detection	<ul style="list-style-type: none"> • Machine learning • Artificial Intelligence • Python 	Pros: <ul style="list-style-type: none"> ✓ It can detect & classify news without human intervention. ✓ Prevent users from rumors. Cons: <ul style="list-style-type: none"> o AI can give detect and false Information to users. o Be a opportunity for Cyber criminals to misuse. 	International Conference on Applied Scientific Intelligence using Data Science (ASCI 2020) 22nd-23rd December 2020, Jaipur, India
Human Machine news interaction	<ul style="list-style-type: none"> • Back tracking • Normalization • Aggregation 	Pros: <ul style="list-style-type: none"> ✓ Highly interactive. ✓ It uses various manipulation techniques and mechanisms. Cons: <ul style="list-style-type: none"> o It cannot predict physical behavior. 	https://www.researchgate.net/publication/330256938

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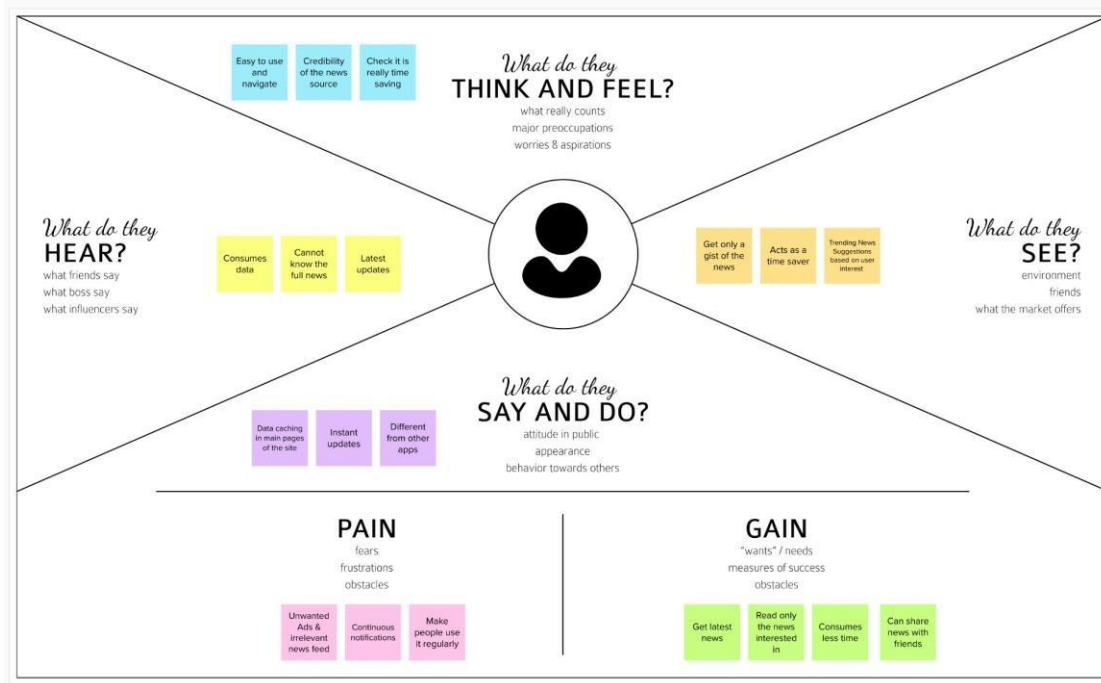
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2.3 Problem Statement Definition

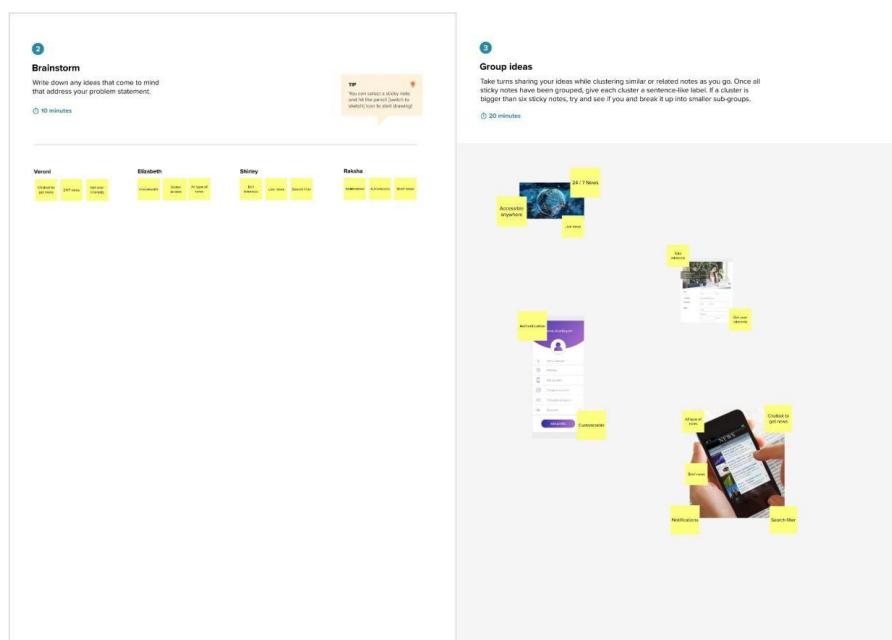
Then user needs to install the application in his android device and give the necessary permissions to the application. Once the application is installed it is ready to be used. The user needs to focus on the newspaper headline which upon scanning by the camera, gives a block of text which is done by Optical Character Recognition(OCR). This block of text upon clicking gives a text view, which again is clickable and upon clicking gives us the results of most relevant videos based on the number of views, date of publishing the video and length of the video. This allows the user to watch the videos instead of reading the whole article which is a bit time consuming

3. IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas



3.2 Ideation & Brainstorming



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

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. So there is no time to read the news. And to find the news of the readers is interest is hard. Inorder to resolve it a news tracker application is needed.



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.

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes



3.3 Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Many people generally get the redundancy in the information. Sometimes, people even spread fake news, which circulates and spread more like a disease of false information in whatsapp and other social media. Various myths are also likely to spread as soon as possible which gives more harm than good to the people.
2.	Idea / Solution description	This app will cross-check the redundancy in the information along with the false and misleading information, which later results in panic in the people.

3 .	Novelty / Uniqueness	<p>A news app allows users to read location- based news. For instance, a user from the USA would get news updates related to the people living there. Additionally, people who don't have time to read detailed articles can browse over the headlines to stay abreast of the happenings around the world.</p> <p>If they find a headline matching their interest, they can read the whole article in depth. You can also add images, GIFs, or videos to make articles more interesting and appealing.</p>
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3.4 Problem Solution fit

De fin e CS & fit int o CC	1. CUSTOMER SEGMENT(S) CS Our customers are the people who are aged above 10yrs old.	6. CUSTOMER C Customer can access our application through web browser using devices like mobile,PC.	5. AVAILABLE SOLUTIONS AS Digitally customer can view their information, instead of seeing on paper.	Ex plo re AS dif ere nti ate
Fo cu s on J& P tap int o BE un der sta nd RC	2. JOBS-TO-BE-DONE / PROBLEMS J&P They have to sign in first to access our application environment.	7. BEHAVIOUR BC Our application behaves like a information provider to the customer.	9. PROBLEM ROOT CAUSE RC Information plays important role in people's life. So,they will get it easily through internet.	Fo cu s on J& P tap int o BE un der sta nd RC

3. TRIGGERS TR Their daily needs of information can be fulfilled by searching it in our application based on their categories. Categories like(sports,politics,culture,food etc...)	8.CHANNELS OF BEHAVIOUR SL ONLINE In online,customer can access the various information according to their needs by globally. OFFLINE In offline,customer can view their downloaded information,saved news.But can't access the live information.	10.YOUR SOLUTION CH Our application provides customer needs information according to their interest.They can access it globally and regionally with their flexible languages.Just need an web browser & internet to access it on devices.
4. EMOTIONS: BEFORE / AFTER EM In weather reports our application helps to provide the updated information. For example: Due to heavy rain,the power cut will occur.In that time, people can't afford the information through television or news paper.In instead of, our application will provide news information through their mobile phone.		

3. TRIGGERS TR What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news. Their daily needs of information can be fulfilled by	8.CHANNELS OF BEHAVIOUR SL 8.1 ONLINE What kind of actions do customers take online? Extract online channels from #7 8.2 OFFLINE What kind of actions do customers take offline? Extract offline channels	10.YOUR SOLUTION CH If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality. If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up
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searching it in our application based on their categories. Categories like(sports,politics,culture,food etc...)	from #7 and use them for customer development. ONLINE In online,customer can access the various information according to their needs by globally.	with a solution that fits within customer limitations, solves a problem and matches customer behaviour.
4. EMOTIONS: BEFORE / AFTER EM How do customers feel when they face a problem or a job and afterwards? i.e. lost, insecure > confident, in control - use it in your communication strategy & design. In weather reports our application helps to provide the updated information. For example: Due to heavy rain,the power cut will occur.In that time, people can't afford the information through television or news paper.In instead of, our application will provide news information through their mobile phone.	OFFLINE In offline,customer can view their downloaded information,saved news.But can't access the live information.	Our application provides customer needs information according to their interest.They can access it globally and regionally with their flexible languages.Just need an web browser & internet to access it on devices.

4. REQUIREMENT ANALYSIS

4.1 Functional requirement

User Registration

- Registration through online
- Registration through Gmail
- Registration through mobile phone

User installation

- Application can download by play store
- Or it can be viewed through website

User Confirmation

- Confirmation via Email
- Confirmation via OTP

User login

- Login through email
- Login through OTP
- Login by username and password

User information

It can pop up their preferred news article by setting the application settings.

4.2 Non-functional Requirements:

Usability

- The option of filtering the content based on different category should be incorporated in the app to provide the audience wide taste and sensibilities. So, the users can read news that matters to them.

15

- This will help the users to share news on various platforms such as Twitter and Facebook. This will not only give an amazing user experience and also will also increase the views.
- When a user is not online due to some reason, he/she should have to access to the internet. Whenever the user is online the news content is downloaded in the cache memory of the app, this is how a user can access to the content offline.

Security

- Authorised person can only manage database which contains the news article
- The information about the users is secured safely.
- People cannot watch news who are not registered with the application.

Reliability

- This application publishes only the reliable content only with the help of API
- How much time it takes to solve an issue.

Performance

- Application performance refers to how well an app runs on a mobile device under various loads and circumstances.
- It might require measuring how long an app takes to load, mitigating crashes during peaks in user activity, or monitoring battery usage.
- Potential users won't just uninstall an app when annoyed; they will likely seek a competitor to address their needs.

- Improving app performance includes but is not limited to optimizing network and device reliabilities for the app.

Availability

- Testing for availability means running an application for a planned period of time, collecting failure events and repair times, and comparing the availability percentage to the original service level agreement.
- It provides notifications, alerts, and other important information when issues arise.
- Hence, we can define web application availability monitoring as the process of checking the application's online availability, functionalities, speed, and performance

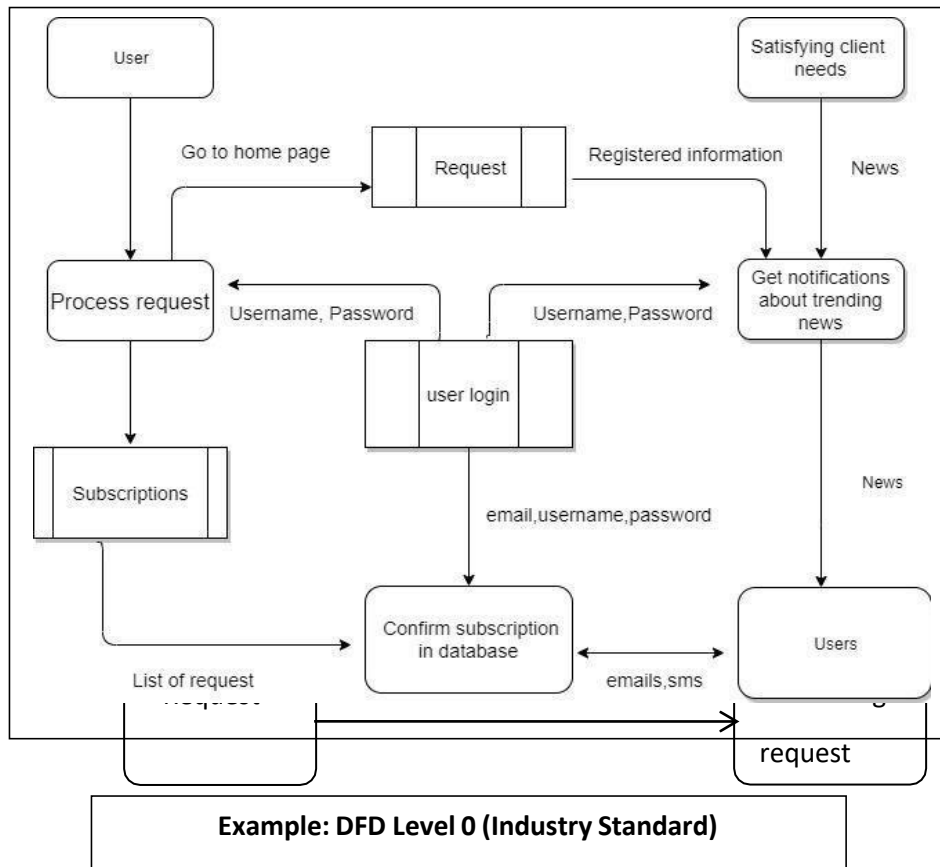
Scalability

- Designing scalability tests Come up with possible user scenarios. You can modify them in various ways ...
- Design a load test with a set number of virtual users.
- Run your test to simulate user requests.
- Application scalability refers to the capacity of an app to handle growth, especially in handling more users and evolving concurrently with your application needs.
- Specifically, scalability relates to the app's backend and database and the Servers they are hosted on.

5. PROJECT DESIGN

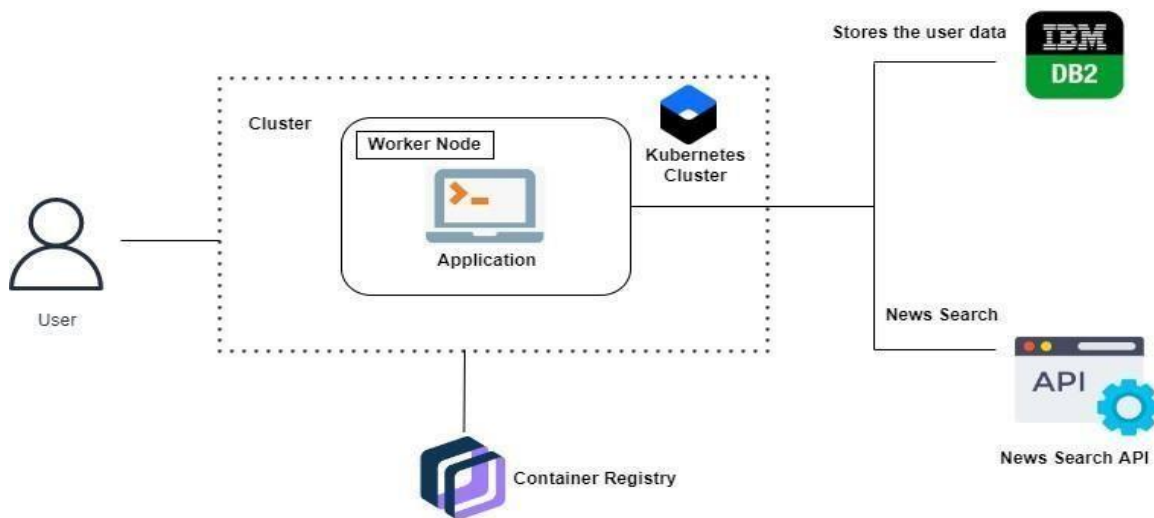
5.1 Data Flow Diagrams

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.



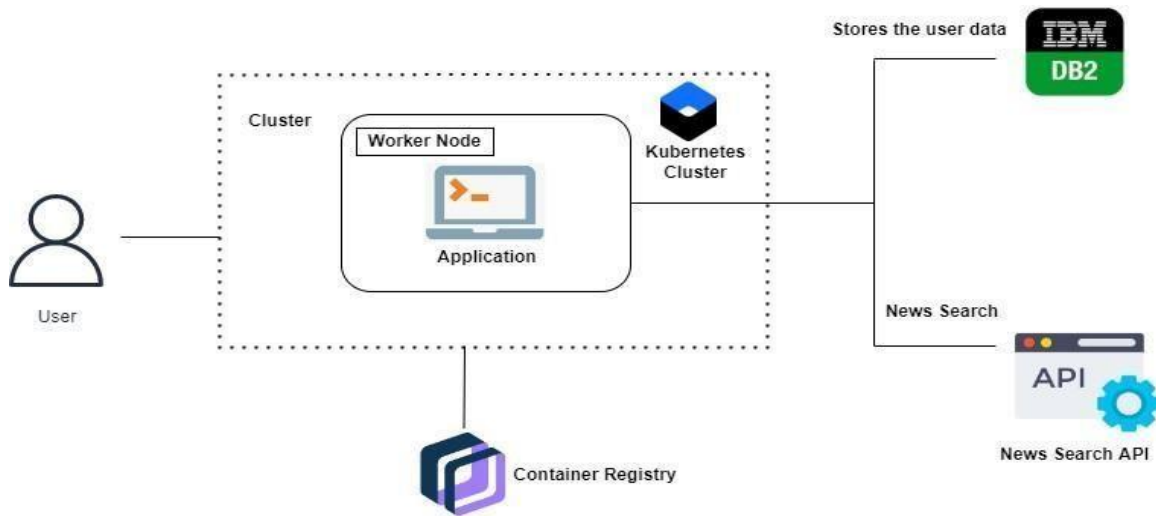
5.2 Solution & Technical Architecture

Solution Requirements



FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through online application Registration through Gmail Registration through website
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User login	Login through browser directly by entering username and password Login through Login through email
FR-4	User interaction	Done through user interface between client and server View the related news by subscribed or requested page

Technical Architecture:



5.3. User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Searchig news)	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 & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through their given website	I can register & access the dashboard with Gmail or in Browser Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can view all types of informations through this application	High	Sprint-1
	Dashboard	USN-6	To see their histories about recently viewed, updates for search related news, current progress ,feedback			
User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Browser	USN-7	Have interactive medium between client and server	I have a clarity to use this application and easily resolve my specific issues	high	Sprint-1
Customer Care Executive	Chat bot	USN-8	Rectify the issues related subscription,account ,terms and conditions,privacy policy			

6. PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation

Sprint	Functional Requirement (Epic)	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	As a user, I can register for the application by entering my email, password, and confirming my password.	15	High	Swathi, Ahmad Aadhil, Shalini, Vignesh
Sprint-1	Confirmation	As a user, I will receive confirmation email once I have registered for the application	5	Medium	Swathi, Ahmad Aadhil, Shalini, Vignesh
Sprint-2	Login	As a user, I can log into the application by entering email & password	10	High	Swathi, Ahmad Aadhil, Shalini, Vignesh
Sprint-2	Dashboard	As a user, I can search NEWS and a quick snap is displayed in the dashboard.	10	High	Swathi, Ahmad Aadhil, Shalini, Vignesh
Sprint-3	Chatbot	As a user, I can chat with the bot so that my queries are clarified	10	High	Swathi, Ahmad Aadhil, Shalini, Vignesh
Sprint-3	Profile	As a user, I can edit my interests so that I can get news accordingly	10	High	Swathi, Ahmad Aadhil, Shalini, Vignesh
Sprint-4	Notifications	As a user, I will receive notifications to my email so that I'll be updated on the news	20	Medium	Swathi, Ahmad Aadhil, Shalini, Vignesh

6.2 Sprint Delivery Schedule

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	8 Days	23 Oct 2022	30 Oct 2022	20	30 Oct 2022
Sprint-2	20	8 Days	31 Oct 2022	07 Nov 2022		
Sprint-3	20	8 Days	08 Nov 2022	15 Nov 2022		
Sprint-4	20	8 Days	16 Nov 2022	24 Nov 2022		

7. CODING & SOLUTIONING

INDEX.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge"> <meta
name="viewport" content="width=device-width, initial-scale=1.0"> <link
rel="stylesheet" href="../css/index.css">
  <title>Document</title>
</head>
<body>
  <nav id="head_nav">
    <div class="title_container">
       <h1
id="app_name">News App</h1>
      <!-- <div class="search_container">
        <input type="text"
id="search_box"
placeholder="Search for topics, locations and resources" >
      </div> -->
       </div>
      <div class="menu_container">
        <h3>Home</h3>
        <h3>India</h3>
        <h3>World</h3>
        <h3>Technology</h3>
        <h3>Entertainment</h3>
        <h3>Sports</h3>
        <h3>Science</h3>
        <h3>Health</h3>
      </div>
    </nav>
    <section id="home">
      <div class="news_cont">
        <div class="img_cont">
          
        </div>
        <div class="news_content">
```

```
<h2 class="news_heading">JSV effect</h2>
<p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Fugiat dolores
eligendi ex vel harum nobis velit qui expedita rerum maiores possimus
voluptates similique, doloremque quisquam accusantium impedit atque animi
est.</p>
</div>
</div>
<div class="news_cont">
<div class="img_cont">

</div>
<div class="news_content">
<h2 class="news_heading">JSV effect</h2>
<p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Fugiat dolores
eligendi ex vel harum nobis velit qui expedita rerum maiores possimus
voluptates similique, doloremque quisquam accusantium impedit atque animi
est.</p>
</div>
</div>
<div class="news_cont">
<div class="img_cont">

</div>
<div class="news_content">
<h2 class="news_heading">JSV effect</h2>
<p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Fugiat dolores
eligendi ex vel harum nobis velit qui expedita rerum maiores possimus
voluptates similique, doloremque quisquam accusantium impedit atque animi
est.</p>
</div>
</div>
<div class="news_cont">
<div class="img_cont">

</div>
<div class="news_content">
<h2 class="news_heading">JSV effect</h2>
<p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Fugiat dolores
```

eligendi ex vel harum nobis velit qui expedita rerum maiores possimus voluptates similique, doloremque quisquam accusantium impedit atque animi est.</p>

</div>

</div><div class="news_cont">

<div class="img_cont">

</div>

<div class="news_content">

<h2 class="news_heading">JSV effect</h2>

<p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Fugiat dolores eligendi ex vel harum nobis velit qui expedita rerum maiores possimus voluptates similique, doloremque quisquam accusantium impedit atque animi est.</p>

</div>

</div><div class="news_cont">

<div class="img_cont">

</div>

<div class="news_content">

<h2 class="news_heading">JSV effect</h2>

<p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Fugiat dolores eligendi ex vel harum nobis velit qui expedita rerum maiores possimus voluptates similique, doloremque quisquam accusantium impedit atque animi est.</p>

</div>

</div><div class="news_cont">

<div class="img_cont">

</div>

<div class="news_content">

<h2 class="news_heading">JSV effect</h2>

<p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Fugiat dolores eligendi ex vel harum nobis velit qui expedita rerum maiores possimus voluptates similique, doloremque quisquam accusantium impedit atque animi est.</p>

</div>

</div><div class="news_cont">

```

<div class="img_cont">

</div>
<div class="news_content">
<h2 class="news_heading">JSV effect</h2>
<p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Fugiat dolores
eligendi ex vel harum nobis velit qui expedita rerum maiores possimus
voluptates similique, doloremque quisquam accusantium impedit atque animi
est.</p>
</div>
</div>
</section>
</body>
</html>

```

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>Login and Sign Up Page</title>
<!--font awesome-->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font
awesome/6.2.0/css/all.min.css">
<!--custom css file link-->
<link rel="stylesheet" href="../../css/login.css">
</head>
<body>
<div class="container" id="container">
<div class="form-container sign-up-container">
<form id="signup-form" onsubmit="return false;"> <h1>Create
Account</h1>
<span>You can use your custom email</span>
    <input type="text" placeholder="NAME" class="box"
required autocomplete="name">
    <input type="email" placeholder="E-mail" class="box"
required autocomplete="email">

```

```

<input type="password" placeholder="PASSWORD" class="box" required
autocomplete="current-password">
<input type="password" placeholder="RE-ENTER PASSWORD" class="box"
required autocomplete="current-password">
<button class="btn">Sign Up</button>
<h2></h2>
</form>
</div>
<div class="form-container sign-in-container">
<form onsubmit="return false;">
<h1>Sign In</h1>
<span>Enter your sign in credentials</span>
      <input          type="email"          placeholder="E-mail"
class="box" autocomplete="email">
      <input          type="password"        placeholder="PASSWORD"
class="box" autocomplete="current-password">
<button class="btn">Sign In</button>
<h2></h2>
</form>
</div>
<div class="overlay-container">
<div class="overlay">
<div class="overlay-panel overlay-left">
<div class="container-checkbox">
<ul class="ks-cboxtags">
  <li><input type="checkbox" id="checkboxOne" value="sport"
checked><label for="checkboxOne">sport</label></li>
  <li><input type="checkbox" id="checkboxTwo" value="tech" checked><label
for="checkboxTwo">tech</label></li>
  <li><input type="checkbox" id="checkboxThree" value="world"><label
for="checkboxThree">world</label></li>
  <li><input type="checkbox" id="checkboxFour" value="finance"><label
for="checkboxFour">finance</label></li>
  <li><input type="checkbox" id="checkboxFive" value="politics" checked><label
for="checkboxFive">politics</label></li>
  <li><input type="checkbox" id="checkboxSix" value="business"><label
for="checkboxSix">business</label></li>
  <li><input type="checkbox" id="checkboxSeven" value="economics"><label
for="checkboxSeven">economics</label></li>
  <li><input type="checkbox" id="checkboxEight" value="entertainment"><label
for="checkboxEight">entertainment</label></li>

```

```

    <li><input type="checkbox" id="checkboxNine" value="beauty"><label
for="checkboxNine">beauty</label></li>    <li><input type="checkbox"
id="checkboxTen" value="travel"><label
for="checkboxTen">travel</label></li>    <li><input type="checkbox"
id="checkboxEleven" value="music"><label
for="checkboxEleven">music</label></li>    <li><input type="checkbox"
id="checkboxTwelve" value="food"><label
for="checkboxTwelve">food</label></li>    <li><input type="checkbox"
id="checkboxThirteen" value="science"><label
for="checkboxThirteen">science</label></li>    <li><input
type="checkbox" id="checkboxFourteen" value="cricket"><label
for="checkboxFourteen">cricket</label></li> </ul>

```

```

</div>
<h1>Already registered ?</h1>
<button class="btn" id="signin">sign in</button> </div>
<div class="overlay-panel overlay-right">
<h1>Welcome to latest world updates!</h1> <button class="btn"
id="signup">sign up</button> </div>
</div>
</div>
</div>

```

```

                <script src="../js/login.js"
type="module"></script> </body>
</html>

```

VERIFY.HTML

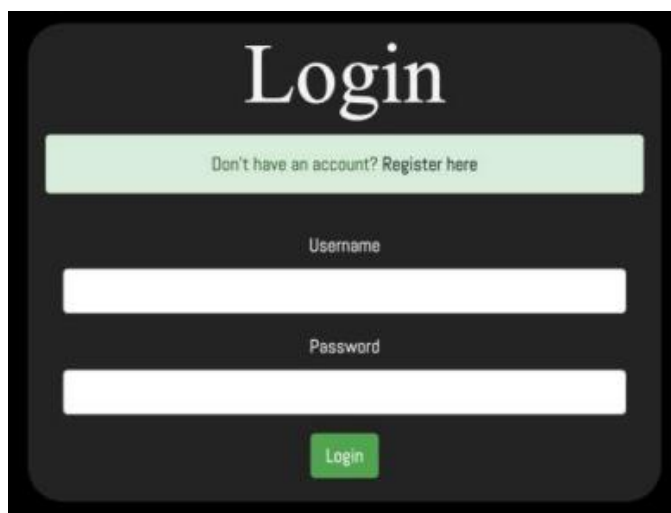
```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />    <meta
name="viewport" content="width=device-width, initial-scale=1.0" />    <link
rel="stylesheet" href="../css/verify.css" />
<title>Verify</title>
</head>
<body>
<nav id="head_nav">
<div class="title_container">
<h1 id="app_name">News Tracker</h1>
</div>

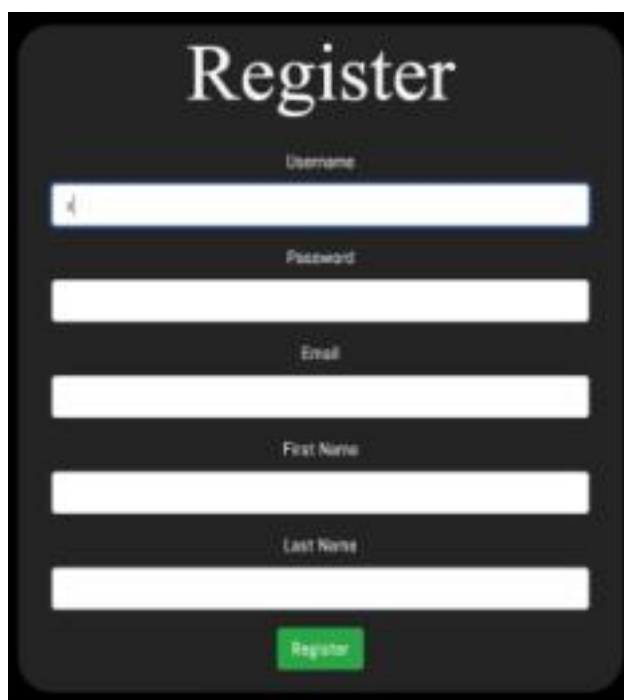
```

```
</nav>
<div class="status-cont">
<div class="welcome-text">Please wait...⌚ </div>
</div>
</body>
<script src="../js/verify.js" type="module"></script>
</html>
```

8.TESTING TEST CASE:



A login form with a dark background. At the top, the word "Login" is written in a large, white, serif font. Below it, a light green rectangular button contains the text "Don't have an account? Register here". Underneath this button are two white input fields. The first is labeled "Username" and the second is labeled "Password". Below the password field is a green rectangular button with the word "Login" in white text.



A register form with a dark background. At the top, the word "Register" is written in a large, white, serif font. Below it are five white input fields. The first is labeled "Username", the second "Password", the third "Email", the fourth "First Name", and the fifth "Last Name". Below the last name field is a green rectangular button with the word "Register" in white text.

8.ADVANTAGES & DISADVANTAGES

ADVANTAGES:

- Less time is consumed compared to newspaper reading. Easy to use and fast.
- Information through videos can be easily understood.
 - Time Saving
 - Can replace
 - Newspapers
 - Magazines
 - Appealing user interface
 - Uniqueness

Chat-bot asks and learns from user preference which recommends appropriate products to the user without making them to search through various filters. Reduces time in choosing right product thus increases sales.

- Social Impact

Feedback from the user at the end of session or after placing order is one of the most important factor in deriving customer satisfaction and providing better services.

- Scalability of the Solution

The solution can be made scalable by using micro service architecture provided that each server responsible for certain functionality of the application. Storing user preferences along with product in browser cookie will enable to provide response instantly and allows for fetching related products

DISADVANTAGES:

- A user who wants to utilise some apps must purchase the premium version.
- Advertisements annoy users when they appear.
- The news will periodically provide you quick facts.
- The frequency of erroneous and unclear news may confuse

and mislead users.

- Fake news has the potential to fool readers.

9. CONCLUSION

This model based on python , HTML , CSS on the domain cloud computing

News Tracker Application is a very complex but essential part of the supply chain. An effective news tracker application system helps to reduce the time consumption on the social media such as facebook , whatsapp...

News Sharing App wants to help users find relevant and important news easily in the UI Stage , we came to conclusion of using a news tracker application.

This research was done to ease the method of communication between the college, staffs and students. This mobile application provides the users with notifications of messages, events and news. The application has various sectors, which shows news related to them, which includes sports, technics, training consultation, community service, and news related to different departments . The application provides an easy access to the college portal. The post-questionnaire results show that the goal of this research is achieved. So no need to depend on circulars, emails, etc.

We explored the feasibility of recognising patterns of news reading interactions and evaluated three adaptive interface designs for different news reader types. We show that from their interaction log, a specific user can be recognised as one of three kinds. The reader types emerging from the online survey are well defined and distinct. The evaluation of the three variant interfaces suggests that different news reader types need different user interfaces. We have demonstrated a method for monitoring users' news reading behaviour and inferring news reader type from it.

This paper covers a review of Location-Based Services, GPS technology and Web Development Technologies. In addition, we have presented a review of an own implementation of a Geographical Information System, specially designed to be accessed from an application installed on a smartphone device running an Android operating system. the GIS is comprised of a relational model database, an API and a user application for smartphone devices. the communication between the application and the API is accomplished through standard HTTP application layer protocol data transfer. Requests to the API are made through the HTTP GET method and API responses are structured

in the XML format. the GIS provides information on the location of venues, such as restaurants and cafés near the user. Future work on this project will include acquisition of more venue location data, contact information, promotional content and special offers to users of the smartphone application and commercialisation of the service

10. 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 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.

Location feature with automation can be implemented which means as user move from one city to other local news will change as per it. Offline Reading can be improve will more efficient way on full articles. Data quality check needed. If API can't reach to certain article source it gives null value which can cause problem in JSON parsing.

In the future we will further explore the design of adaptive interfaces, in order to be in a position to demonstrate a complete adaptive mobile news framework providing automatic personalisation of news apps.

The only limitation that we can mention is that the sample was small compared to the whole college. It is implemented only for two operating systems namely iphone and android. The students we selected only include information technology students, not distributed to all students in others majors in the college. But even though it has these drawbacks, it shows news of whole college irrespective of major and stream. In future, we plan to enhance the application to support mobile operating systems other than iph-one and android. We also plan to enhance and improve the categories of news.

If mobile is to become the dominant vector for news, retaining readers will be much more challenging than it is on a PC or tablet (though the latter tends to engage readers 10x or sometimes 20x more). A news app needs to be steered with precision. Today's digital marketing tools allow publishers to select multiple parameters monitoring the use of a application: They can measure how

long the app is used, when, for how long, why and where people tend to drop it, what kind of news they like, if they hit a paywall and give up, and why they do so, etc. Similarly, when an app remains unopened for too long, smart tools can pinpoint the user and remind her of the product's benefits. These tools are as good as the people who (a) set the parameters, (b) monitor them on a daily basis, and (c) take appropriate action such as launching a broadside of super-targeted emails. But these are incremental measures, they don't breed exponential growth in viewership (and revenue)

Git Hub Link: <https://github.com/IBM-EPBL/IBM-Project-12246-1659443866>

