NEWS TRACKER APPPLICATION

USING CLOUD

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

BACHELOR OF ENGINEERING IN

ELECTRONICS AND COMMUNICATION ENGINEERING Submitted by

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BONAFIDE CERTIFICATE

Certified that this project report "NEWS TRACKER APPLICATION" is the bona fide record work done by Mr. HARIKRISHNAN S (113319106029), Mr. BHARATH K(113319106008), Mr. KARTHIKEYAN B (113319106037) and Mr. YUVARAJ P(113319106086) for "HX 8001 PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP" in VII semester of B.E., degree course in Electronics and communication Engineering branch during the academic year of 2022 - 2023.

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Harikrishnan S (Lead) Bharath k Karthikeyan b Yuvaraj p

ABSTRACT

Everyone has the right to freedom of speech. However, this right is being misused to differentiate and attack others, physically or verbally, in the name of free speech. This discrimination is known as hate speech. Hate speech can be well-defined as language used to express hate towards a person or a group of people based on characteristics such as race, religion, ethnicity, gender, nationality, disability and sexual orientation. The increasing usage of social sites and information sharing has specified major benefits to humanity. However, this has also assumed rise to a variety of challenges including the spreading and sharing of hate speech messages. Thus, to solve this emerging issue in social media sites, recent studies employed a variety of machine learning and deep learning algorithms with text mining algorithm to automatically detect the hate speech messages on real time datasets. Hence, the aim of this Project is to analyses the comments on social networks using Natural Language processing technique (NLP) and Deep learning algorithm named as Back propagation neural network algorithm. Using NLP technique, can extract the keywords from user generated content and implement Back Propagation neural network to classify the text whether it is positive or negative. If it is negative means, automatically block the comments as per user wish and also block the friends based on pre-defined threshold values. Experimental results shows that the proposed framework implemented in real time social network site with improved notification.

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

Mobile app ecosystems are transforming patterns of news consumption. Until quite recently, reading the news was a niche use for smartphones [12], mostly for when users were 'on the go'; now however, two in every three users of mobile devices in the US regularly access news and as many as one in five read in-depth news articles daily [2]; a similar picture is found in the UK [1]. This growth in mobile news access continues the migration of news consumers to the Internet.

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' newsreading preferences and behaviors'; analysis revealed three primary types of reader. We then implemented and deployed an Android 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. 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 apps.

1.2 Purpose

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

2. LITERATURE SURVEY

2.1 Existing problem

We often feel we need more than 24 hrs. a day to cope up with everything we have in our schedule. Well, that's not possible but reducing the time by changing the conventional method of reading news can help.

2.2 References

Like articles, websites, blogs.

https://www.researchgate.net/.

https://techvidvan.com/tutorials/android-news-app-project-source-code/

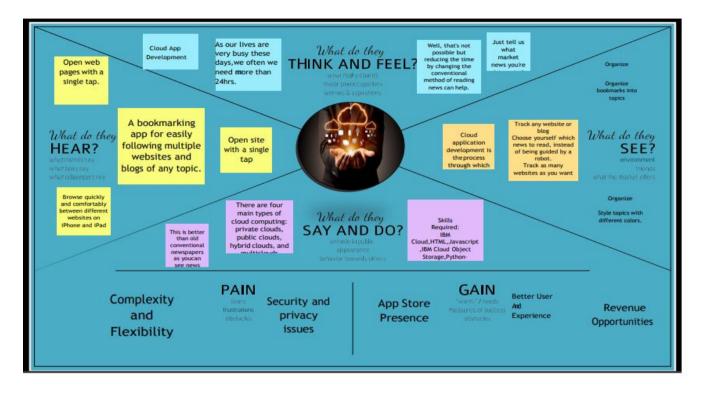
https://www.ripublication.com/

2.3 Problem Statement Definition

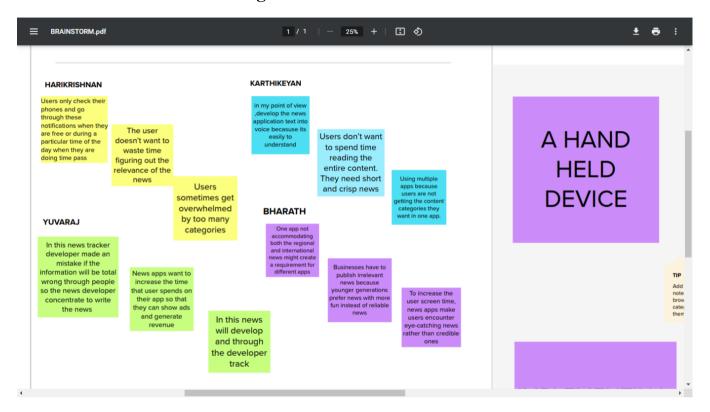
- 1. The user needs a way to organize the news on daily basis so that he can cope up with daily events in his tight schedule.
- 2. The user wants to read news only about particular topics so that he can be informed about his interest.
- 3. The user wants to get informed from only certified news outlets.
- 4. The user needs a way to search about the news on topics he wants to.
- 5. The user wants to know the news about his surrounding using GPS location.

3. IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas



3.1.2 Ideation & Brainstorming

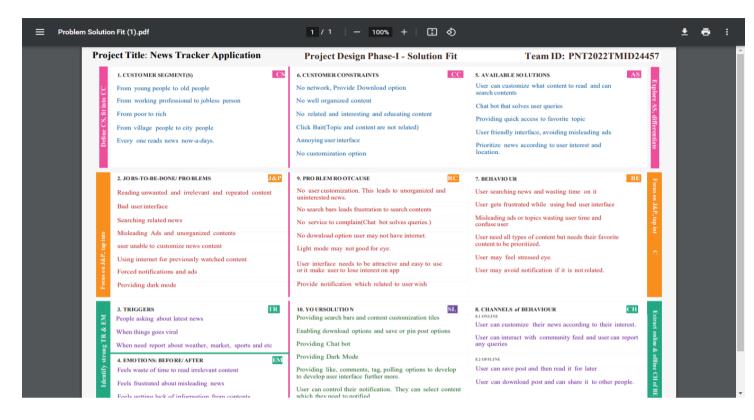


3.2 Proposed Solution

S.NO	PARAMETERS	DESCRIPTION
1.	Problem statement (problems to be solved	In our daily life, we come across various events of local as well as national importance, and to know it, we take the help of NEWS. But recently we realized there is no such common platform that provides both. So we found a Social Need and built a platform that helps to solve the problem.
2.	Idea/solution description	There are many news apps available that can keep you abreast of the latest happenings. When you want news from multiple sources, try New shunt, Pulse, Flip board, Zite. News Republic and News 360. The other alternatives of course are the dedicated news apps from media sources/publications. For instance, The Economic Times and Times of India have free apps across platforms
3.	Novelty/Uniqueness	In our daily life, we come across various events of local as well as national importance, and to know it, we take the help of NEWS. But recently we realized there is no such common platform that provides both. So we found a social need and built a platform that provides such news in form of short videos that are taken from them out trusted resources in the world.

4.	Social Impact/Customer	Mobile devices have changed the way everyone				
	satisfaction	lives. Here is a list of some amazing Social Good				
		apps that can be used for a variety of different				
		things. Some of these apps can be used on a day to				
		day basis, others can be used for research, and				
		some can be used to educate. No matter the				
		reason, these mobile apps gives you the ability to				
		stay consumer conscious And socially involved in				
		every facet of your life				
5.	Business Model (Revenue)	News apps are trying to be Model) like social				
		media apps Businesses have to publish irrelevant				
		news because younger generations prefer news				
		with more fun instead of reliable news. News				
		apps want to increase the time that user spends				
		on their app So that they can show ads and				
		generate revenue.				
6.	Scalability of the solution	Better user experience				
		• Cost-effectiveness				
		Stable performance				
		App customization				
		• Project growth				

3.3 Problem Solution fit



4. REQUIREMENT ANALYSIS

4.1 Functional requirement

Following are the functional requirements of the proposed solution.

FR	Functional	Sub Requirement (Story / Sub-Task)			
No.	Requirement (Epic)				
FR-1	User Registration	Registration through Form			
		Registration through Gmail			
		Registration through			
		website.			
FR-2	User Confirmation	Confirmation via Email			
		Confirmation via OTP			
ED 0					
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			
		subscripted or requested page.			

4.2 Non-functional Requirements:

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

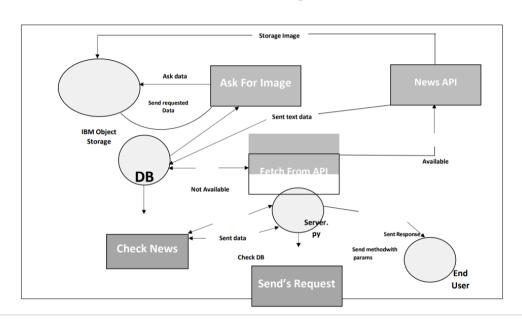
FR	Non-Functional	Description
No.	Requirement	
NFR-	Usability	End users can receive push updates for
1		new content on a site by subscribing to
		the site's news feed
NFR-	Security	How well are the system and its data
2		protected against attacks
NFR-	Reliability	How often does the system experience
3		critical failures? How much time does it
		take to fix the issue when it arises ?And
		how is user availability time compared to
		downtime?
NFR-	Performance	Performance is the core non-functional
4		requirements no system can do without.It
		defines how fast a software system or a
		particular piece of it responds to certain
		users actions under a certain workload. In
		most cases, this metric explains how long
		a user must wait before the target
		operation happens (the page renders, a
		transaction is processed, etc.) given the
		overall number of users at the moment.
		But it's not always like that. Performance
		requirements may describe background
		processes invisible to users, e.g. backup.
		But let's focus on user-centric
		performance.
NFR-	Availability	Availability describes how likely the
5		system is accessible to a user at a given
		point in time. While it can be expressed
		as an expected percentage of successful
		requests, you may also define it as a
		percentage of time the system is
		accessible for operation during some time

		period. For instance, the system may be				
		available 98 percent of the time during a				
		month. Availability is perhaps the				
		most business-critical requirement, but to				
		define it, you also must have estimations				
		for reliability and maintainability.				
NFR-	Scalability	Scalability assesses the highest				
6		workloads under which the system				
		will still meet the performance				
		requirements. There are two ways				
		to enable your system scale as the				
		workloads get higher: horizontal				
		and vertical scaling.				

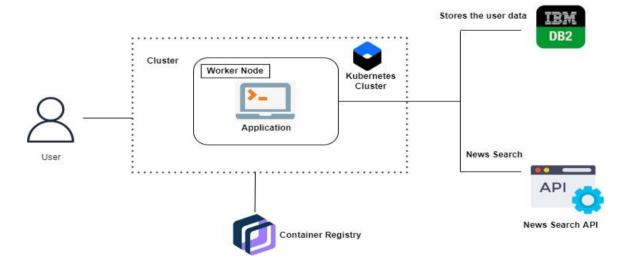
5. PROJECT DESIGN

5.1 Data Flow Diagrams

Dataflow Diagram



5.2 Solution & Technical Architecture



5.3 User Stories

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	assword, and confirming dashboard		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 Facebook	I can register & 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 & access the dashboard with Gmail Login	Low	Sprint-2
	Login	USN-5	As a user, I can log into the application by entering email & password			Sprint-1
	Dashboard	USN-1	As a user, I can log into the application and look into my dashboard	I can Look into My Dashboard After my login	Low	Sprint-1
		USN-2	As a user, I can log into the application and update my personal data	I can View the personal data which can be updated by the user	Low	Sprint-2
		USN-3	As a user, I can log into the application and read news based on my filter contents	News contents are filtered based on the user needs	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Login	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password through web applications such as Chrome, Firefox, brave, Operamini etc.		High	Sprint-1
Customer Care Executive	Dashboard	USN-1	As a user, I can Report to the customer service about the error or doubt of the application by calling to the customer service which is provided in the application help box	I can report to the customer service if I am facing an issue or I didn't know anything about the application	High	Sprint-1
		USN-2	As a user, I can Report to the customer service about the error or doubt of the application by emailing to the customer service which is provided in the application help box	I can report to the customer service if I am facing an issue or I didn't know anything about the application	High	Sprint-1
Administrator	Application	USN-1	Application administrator will rectify the error caused in the application as soon as possible and provide a patch update in order to have an error free software	I can report to the customer service what the issue has been faced and they might rectify by releasing patch updates	High	Sprint-1

6. PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation

TITLE	DESCRIPTION	DATE
Literature Survey & Information Gathering	Literature survey on the selected project & gathering information	6 OCTOBER 2022
	byreferring the technical papers, research publications etc.	
Prepare Empathy Map	Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements	6 OCTOBER 2022
Ideation Brain Storming	List the by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance.	6 OCTOBER 2022
Proposed Solution	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.	6 OCTOBER 2022
Problem Solution Fit	Prepare problem solution fit document	17 OCTOBER 2022
Solution Architecture	Prepare solution architecture document.	17 OCTOBER 2022
Customer Journey	Prepare the customer journey maps to	17 OCTOBER 2022

	Understand the user interactions& experiences with the application (entry to exit).	
Data Flow Diagrams	Draw the data flow diagrams and submit for review.	17 October 2022
Technology Architecture	Prepare the technology architecture diagram.	17 October 2022
Prepare Milestone & Activity List	Prepare the milestones & activity list of the project.	3 NOVEMBER 2022
Project Development - Delivery of Sprint-1, 2, 3 & 4	Develop & submit the developed code by testing it.	IN PROGRESS

6.2 Sprint Delivery Schedule

Use the helow						
		plate to create product backlog and sprint schedule				
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	harikrishnan
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	karthikeyan
Sprint-1		USN-3	As a user, I can register for the application through Facebook	2	Low	bharath
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Yuvaraj,bharath
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Harikrishnan,ka rthikeyan
Sprint-2	Dashboard	USN-6	As a user I should be able to navigate and access all the features hassle free	2	High	Harikrishnan,ka rthikeyan
Sprint-2	Layout	USN-7	As a user I should be able to access the portal with different devices with the same comfort	2	High	Harikrishnan,kar thikeyan
Sprint-3	Data Store and retrieval	USN-8	Get Data from API and store as JSON in DB2	3	High	yuvaraj,karthik eyan
Sprint-3		USN-9	Get bin data from API and store in DFS	2	High	Hari,bh arath,y uvaraj
Sprint-4	User Segregation	USN-10	As a CC executive I should be able to	1	Low	karthikeyan
	and data access		uniquely identify the customer and offer help			,.
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Change code	USN-11 USN-12	As a administrator I should be able to modify code according to the future requirements. As a administrator I should be able to monitor	2	Medium	Harikrishnan,yu varaj
Sprint-4	Monitor the system			1	High	Hari,karthi,bh

6.3 Reports from JIRA

7. CODING & SOLUTIONING

Forgot password-

Forpass.html

<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

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

<meta name="description" content="">

```
<meta name="author" content="Mark Otto, Jacob Thornton, and Bootstrap
contributors">
  <meta name="generator" content="Hugo 0.84.0">
  <title>Sign In</title>
  k rel="canonical" href="https://getbootstrap.com/docs/5.0/examples/sign-
in/">
  link
                   href="https://getbootstrap.com/docs/5.0/assets/css/docs.css"
rel="stylesheet">
  <!-- Bootstrap core CSS -->
  link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css"
rel="stylesheet"
                                                          integrity="sha384-
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+\\
fzT" crossorigin="anonymous">
  <!-- Favicons -->
k rel="apple-touch-icon" href="/docs/5.0/assets/img/favicons/apple-touch-icon"
icon.png" sizes="180x180">
link
         rel="icon"
                      href="/docs/5.0/assets/img/favicons/favicon-32x32.png"
sizes="32x32" type="image/png">
link
         rel="icon"
                      href="/docs/5.0/assets/img/favicons/favicon-16x16.png"
sizes="16x16" type="image/png">
<link rel="manifest" href="/docs/5.0/assets/img/favicons/manifest.json">
        rel="mask-icon"
                            href="/docs/5.0/assets/img/favicons/safari-pinned-
tab.svg" color="#7952b3">
k rel="icon" href="/docs/5.0/assets/img/favicons/favicon.ico">
<meta name="theme-color" content="#7952b3">
```

```
<style>
  .bd-placeholder-img {
   font-size: 1.125rem;
   text-anchor: middle;
   -webkit-user-select: none;
   -moz-user-select: none;
   user-select: none;
  }
  @media (min-width: 768px) {
   .bd-placeholder-img-lg {
    font-size: 3.5rem;
   }
  }
 </style>
 <!-- Custom styles for this template -->
 <link href="static/sheets/signin.css" rel="stylesheet">
 <link href="static/sheets/colors.css" rel="stylesheet">
</head>
<body class="text-center">
   <nav class="navbar navbar-dark bg-dark fixed-top">
      <div class="container-fluid">
       <a class="navbar-brand" href="#">News Tracker</a>
```

```
class="navbar-toggler"
                                           type="button"
                                                             data-bs-
       <button
                       data-bs-target="#offcanvasDarkNavbar"
toggle="offcanvas"
                                                                aria-
controls="offcanvasDarkNavbar">
        <span class="navbar-toggler-icon"></span>
       </button>
       <div class="offcanvas offcanvas-end text-bg-dark" tabindex="-1"</pre>
id="offcanvasDarkNavbar" aria-labelledby="offcanvasDarkNavbarLabel">
        <div class="offcanvas-header">
         < h5
                                                class="offcanvas-title"
id="offcanvasDarkNavbarLabel">Profile</h5>
         <button type="button" class="btn-close btn-close-white" data-bs-
dismiss="offcanyas" aria-label="Close"></button>
        </div>
        <div class="offcanvas-body">
         cli class="nav-item">
                   class="nav-link
           <a
                                       active"
                                                   aria-current="page"
href="home.html">Home</a>
          class="nav-item">
            <a class="nav-link" href="base.html">Fetch News</a>
           class="nav-item">
           <a class="nav-link" href="about.html">About Us</a>
          <a class="nav-link" href="signin.html">Sign In</a>
```

```
cli class="nav-item">
            <a class="nav-link" href="signup.html">Sign Up</a>
           </div>
        </div>
      </div>
     </nav>
<main class="form-signin">
 <form action = "{{ url_for("getUser")}}" method="POST">
                                                                    alt=""
          class="mb-4"
                          src="static/Images/house-user-solid.svg"
  <img
width="72" height="57">
  <h1 class="h3 mb-3 fw-normal white">Change your password</h1>
  <div class="form-floating">
   <input type="email" class="form-control" id="floatingInput" name =</pre>
"uname" placeholder="name@example.com">
   <label for="floatingInput">Email address</label>
  </div>
  <br/>br>
           class="w-100
                                        btn-warning
                                                      btn-outline-warning"
  <but
                                btn-lg
                          btn
type="submit"><a
                            href="static/templates/changepass.html">Change
Password</a></button><br>
 </form>
</main>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min.j
s''
                                                        integrity="sha384-
u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOm
Mi466C8" crossorigin="anonymous"></script>
```

```
<script src="https://cdn.jsdelivr.net/npm/@docsearch/js@3"></script>
<script
src="https://cdn.jsdelivr.net/npm/@stackblitz/sdk@1/bundles/sdk.umd.js"></sc
ript>
<script src="/docs/5.2/assets/js/docs.min.js"></script>
<script>
 document.querySelectorAll('.btn-edit').forEach(btn => {
  btn.addEventListener('click', event => {
                  htmlSnippet
                                                  event.target.closest('.bd-code-
   const
snippet').querySelector('.bd-example').innerHTML
               classes
                                      Array.from(event.target.closest('.bd-code-
   const
snippet').querySelector('.bd-example').classList).join(' ')
   const jsSnippet = event.target.closest('.bd-code-snippet').querySelector('.btn-
edit').getAttribute('data-sb-js-snippet')
   StackBlitzSDK.openBootstrapSnippet(htmlSnippet, jsSnippet, classes)
  })
 })
 StackBlitzSDK.openBootstrapSnippet = (htmlSnippet, jsSnippet, classes) => {
  const markup = `<!doctype html>
<html lang="en">
 <head>
```

```
<meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  link
href="https:\/\cdn.jsdelivr.net\/npm\/bootstrap@5.2.1\/dist\/css\/bootstrap.min.c
ss" rel="stylesheet">
  link
                    href="https://getbootstrap.com/docs/5.2/assets/css/docs.css"
rel="stylesheet">
  <title>Bootstrap Example</title>
  <${'script'}
src="https://cdn/.jsdelivr/.net/npm/bootstrap@5\.2\.1\/dist/js/bootstrap/.bun
dle\.min\.js"></\${'script'}>
 </head>
 <body class="p-3 m-0 border-0 ${classes}">
  <!-- Example Code -->
${htmlSnippet.replace(/^/gm, ' ')}
  <!-- End Example Code -->
 </body>
</html>`
```

const jsSnippetContent = jsSnippet? '\/\/ NOTICE!!! Initially embedded in our docs this JavaScript\n\/\/ file contains elements that can help you create reproducible $\n\$ use cases in StackBlitz for instance $\.\n\$ In a real project this please adapt content to your needs\.\n\/\/ $\u002b\u00$ $02b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\n\n\/*!\n * JavaScript for$ $Bootstrap \u0027s\ docs\ \(https:\label{locality} \label{locality} We also \u0027s\ docs\ \(https:\label{locality} \u0027s\$ 2022 The Bootstrap Authors\n * Copyright 2011\-2022 Twitter, Inc\.\n * Licensed under the Creative Commons Attribution 3\.0 Unported License\.\n*

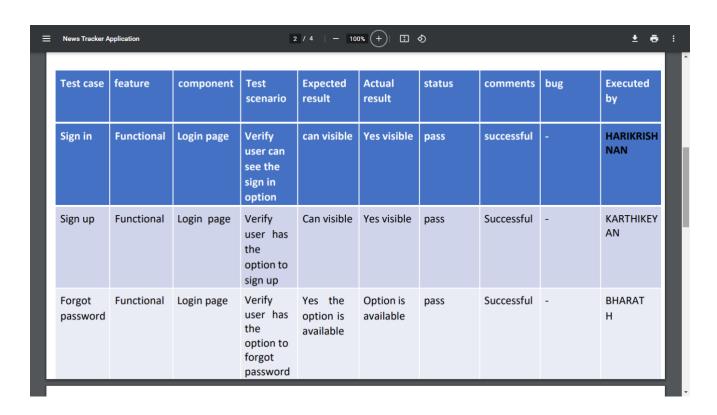
```
For details, see https:\/\creativecommons\.org\/licenses\/by\/3\.0\/.\n\*\\n\n\/*
or
     StackBlitz
                 page\n
                          document\.querySelectorAll\(\u0027\[data\-bs\-
toggle=\langle u0022tooltip \langle u0022 \rangle ] \langle u0027 \rangle \. for Each\\\(tooltip=\u003e\\\ n \) new
\-\-\-\-\n \/\/ Instantiate all popovers in a docs or StackBlitz page\n
document\.querySelectorAll\(\u0027\fdata\-bs\-
toggle=\langle u0022popover\langle u0022\rangle ]\langle u0027\rangle \rangle n
                                    \. for Each (popover = \u003e \)
\-\-\n \/\ Used by \u0027Placement\u0027 example in docs or StackBlitz\n
                           toastPlacement
const
document\.getElementById\(\u0027toastPlacement\u0027\)\n
                                                               if
\(toastPlacement\)
                                                             \backslash \{ \backslash n \}
document \cdot getElementById \cdot (\u0027 selectToastPlacement \cdot \u0027 \cdot) \cdot addEventLis
tener(u0027changeu0027,
                         function
                                   (()
                                                               if
                                        \{n\}
\(!toastPlacement\.dataset\.originalClass\)
                                                             \backslash \{ \backslash n \}
toastPlacement\.className
                        =
                            `\$\{toastPlacement\.dataset\.originalClass\}
\ {this\.value\}`\n \}\\n \}\\n \\ Instantiate all toasts in a docs page only\n
document\.querySelectorAll\(\u0027\.bd\-example
                                                   \t 0.0027\)\n
\.forEach\(toastNode
                  = u003e \setminus n
                                             const
                                                   toast
                                                         =
                                                            new
bootstrap\.Toast\(toastNode, \{\n
                                     autohide: false\n
                                                          \) \n \
toast\.show\(\)\n\\rangle\\n\n\ \/\ Instantiate all toasts in a docs page only\n const
toastTrigger = document\.getElementById\(\u0027liveToastBtn\u0027\)\n const
toastLiveExample = document\.getElementById\(\u0027liveToast\u0027\)\n if
                   toastTrigger\.addEventListener\(\u0027click\u0027, \(\\)
\(toastTrigger\) \{\n
=\u003e \ \n \ const \ toast = \ new \ bootstrap\.Toast\(toastLiveExample\)\n\n
in \u0027Show live toast\u0027 example in docs or StackBlitz\n const
alertPlaceholder
                                                               =
document\.getElementById\(\u0027liveAlertPlaceholder\u0027\)\n
                                                            const
               document\.getElementById\(\u0027liveAlertBtn\u0027\)\n\n
const appendAlert = \langle (message, type \rangle) = \langle u003e \rangle \langle (n const wrapper = variety) \rangle
document\.createElement\(\u0027div\u0027\)\n
                                         wrapper\.innerHTML = \prod n
```

```
`\u003cdiv
                        class=\u0022alert
                                                             alert\-\{type\}
                                                                                              alert\-dismissible\u0022
role=\u0022alert\u0022\u003e,\n
\u003cdiv\u003e\{message\}\u003c\/div\u003e\,\n
                                                                                              \u0027
                                                                                                                \u003cbutton
type=\u0022button\u0022
                                                       class=\u0022btn\-close\u0022
                                                                                                                      data\-bs\-
dismiss=\u0022alert\u0022
                                                                                                                             aria\-
label = \u0022 Close \u0022 \u003e \u003c \w0003e \u0003e \u0003e \u00027, \u0003e \u00003e \u0003e \u0003e \u00003e \u0003e \u00003e \u00003e \u00003e \u00003e \u00003e \u
\u0027\u003c\div\u003e\u0027\n
                                                                                        \label{linear_solution} \label{linear_solution} \label{linear_solution} \label{linear_solution} $$\linear_{u0027\u0027}\)\n\n
alertPlaceholder\.append\(wrapper\)\n
                                                                      if
                                                                                                \(alertTrigger\)
                                                                                                                                \backslash \{ \backslash n \}
alertTrigger\.addEventListener\(\u0027click\u0027,
                                                                                                          =\u003e
                                                                                             \(\)
                                                                                                                                \backslash \{ \backslash n \}
appendAlert\(\u0027Nice,
                                                 you
                                                             triggered
                                                                                 this
                                                                                             alert
                                                                                                         message!\u0027,
\u0027 success \u0027)\n \
\-\-\-\-\n \/\/ Indeterminate checkbox example in docs and StackBlitz\n
document\.querySelectorAll\(\u0027\.bd\-example\-indeterminate
\int type = u0022 checkbox u0022 ] u0027 ) n
                                                                             \. forEach\(checkbox = \u003e \)
if
                  \(checkbox\.id\.includes\(\u0027Indeterminate\u0027\)\)
                                                                                                                               \{n\}
checkbox\.indeterminate = true\n
                                                             \-\-\-\-\n
                     \/\/
                                 Disable
                                                    empty
                                                                   links
                                                                                in
                                                                                         docs
                                                                                                      examples
                                                                                                                           only\n
document\.querySelectorAll\(\u0027\.bd\-content
\left[ href = \left( u0022 \# \left( u0022 \right) \right] \right] 
                                                                              \.forEach\(link
                                                                                                            = u003e
                                                                                                                                \{n\}
link \cdot addEventListener \cdot (\u0027click \cdot \u0027,
                                                                                   event
                                                                                                       = u003e
                                                                                                                               \setminus \{ \setminus n \}
event\.preventDefault\(\)\n
                                                  \-\-\n \/\/ Modal \u0027Varying modal content\u0027 example in docs and
StackBlitz\n
                                                                                       exampleModal
                                                           const
                                                                                                                                   if
document\.getElementById\(\u0027exampleModal\u0027\)\n
\(exampleModal\)
                                                                                                                               \{n\}
exampleModal\.addEventListener\(\u0027show\.bs\.modal\u0027,
                                                                                                                             event
= \u003e \{\n \ \ \ \ } Button that triggered the modal\n const button =
event\.relatedTarget\n \/\/ Extract info from data\-bs\-\* attributes\n const
                          recipient
Update the modal\u0027s content\.\n
                                                                                                const
                                                                                                             modalTitle
exampleModal\.querySelector\(\u0027\.modal\-title\u0027\)\n
                                                                                                                             const
modalBodyInput
                                              exampleModal\.querySelector\(\u0027\.modal\-body
                                    =
input\u0027\)\n\n
                                                  modalTitle\.textContent = `New message to
\$\{recipient\}`\n
                                  modalBodyInput\.value = recipient\n \ \)\n\n \/\-\-
```

```
docs
                             only\n
                                                       myOffcanvas
example
            in
                                             const
document\.querySelectorAll\(\u0027\.bd\-example\-offcanvas
\oldsymbol{\label{locally} $$ \oldsymbol{\local} \oldsymbol{\locally} $$ \oldsymbol{\locally} \n
                                                                       \setminus \{ \setminus n \}
                                     if
                                               \(myOffcanvas\)
                                               =\u003e
myOffcanvas\.forEach\(offcanvas
                                                                       \backslash \{ \backslash n \}
offcanvas\.addEventListener\(\u0027show\.bs\.offcanvas\u0027, event = \u003e
        event\.preventDefault\(\)\n
                                    \setminus \{ \setminus n \}
  const project = {
   files: {
    'index.html': markup,
    'index.js': jsSnippetContent
   },
   title: 'Bootstrap Example',
   description: `Official example from ${window.location.href}`,
   template: jsSnippet? 'javascript': 'html',
   tags: ['bootstrap']
  }
  StackBlitzSDK.openProject(project, { openFile: 'index.html' })
 }
</script>
 </body>
</html>
```

8. TESTING

8.1 Test Cases



Fetch news	Functional	Home page	Verify user can get the news	News will be eed to the app	404 error	Fail	unsuccess ful	App integerati on problem	Ragul rathna, Ashwin
news available in the	Functional	Fetch news	Types of news available	Weather, Sport, Economy.	buttons will be Shown.	Yes	successful	-	YUVARAJ,B HARATH,KA RTHIKEYAN, HARI
fetch news page									

Result:

News tracker application using cloud is developed and executed at the level of completed progress .

10. ADVANTAGES & DISADVANTAGES

Advantages:-

- ❖ In this app news is already categorization.
- ***** Easily accessible and portable.
- **&** Better user experience.
- ❖ Apps help you convert visitors to loyal readers.
- Minute by minute updates of news.
- ❖ This app helps you to get local news updates instantly.
- ❖ To explore and discover trending news and topics.
- News feeds for you based on your interest.

Disadvantages:-

- ❖ Some apps demand premium subscription from user.
- ❖ Occurance of Advertisment disturb the user.
- ❖ Sometimes the news gives brief information.
- Prevailance of fake and uncertain news can confuse the user lead to misconception.
- ❖ Fake news may mislead the readers.

11. CONCLUSION

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. 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.

12. FUTURE SCOPE

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.

13. APPENDIX

Source Code:

Backend

App.py

```
from dotenv import dotenv_values
from apiFetch import *
from flask import Flask
from flask_cors import CORS
from routes.register import Register
from routes.checkEmail import CheckEmail
from routes.verify import Verify
from routes.getnews import *
from routes.islogin import IsLogin
from routes.login import Login
from flask_restful import Api
from utils.apiFetch import apiRunner
app = Flask(\underline{\quad name\underline{\quad }})
api = Api(app)
data = dotenv_values(".env")
app.config['SECRET_KEY'] = data["secret_key"]
app.config['SECURITY_PASSWORD_SALT'] =
data["secured_password_salt"]
apiRunner()
CORS(app, supports_credentials=True)
api.add_resource(Login, '/login')
api.add_resource(IsLogin,'/islogin')
api.add_resource(CheckEmail, '/register/check')
api.add_resource(Register, '/register')
api.add_resource(Verify, '/register/verify')
api.add_resource(Personal, '/news/recommended')
api.add_resource(News, '/news/<topic>')
```

Routes_

CheckEmail.py

```
from flask import request
from flask_restful import Resource
from utils.dbQuery import selectQuery
class CheckEmail(Resource):
    def post(self):
        data=request.json
        email=str(data["email"])
        res=selectQuery("SELECT email FROM USER WHERE
EMAIL=?",(email,))
        print(res)
        if(not res):
        return {"status":True},200
        return {"status":False},400
```

Getnews.py

```
from random import random
from flask_restful import Resource
from utils.cookieChecker import token_required
from utils.dbQuery import selectQuery
from utils.apiFetch import apiData
import random
from utils.testData import retArray
class Personal(Resource):
  @token_required
  def get(email, self):
    topicsArr = ["sport", "tech", "world", "finance", "politics", "business",
             "economics", "entertainment", "beauty", "travel", "music", "food",
"science", "cricket"]
    fav = selectQuery("SELECT favourites from user where email=?",
(email,))[
       'FAVOURITES']
```

```
fav = fav.split(',')
     for x in fav:
       topicsArr.remove(x)
     retArr = []
     favList = []
     # favList = retArray
     nonFavList = []
     for x in fav:
       try:
          data = apiData(x)
       except:
          data=None
       if (data is not None):
          for y in data:
            favList.append(y)
     try:
       random.shuffle(favList)
       favList = sorted(favList, key=lambda k: k['date'], reverse=True)
     except:
       favList=[]
     for x in topicsArr:
       try:
          data = apiData(x)
       except:
          data=None
       if(data is not None):
          for y in data:
            nonFavList.append(y)
     try:
       random.shuffle(nonFavList)
       nonFavList = sorted(nonFavList, key=lambda k: k['date'], reverse=True)
     except:
       nonFavList=[]
     retArr = favList+nonFavList
    return {"data": retArr}, 200
class News(Resource):
  @token_required
```

```
def get(email,self,topic):
     topicsArr = ["headline", "sport", "tech", "world", "finance", "politics",
"business".
             "economics", "entertainment", "beauty", "travel", "music", "food",
"science", "cricket"]
    if(topic not in topicsArr):
       return {"status":"Not a valid topic"}.404
     try:
       retArr=apiData(topic)
       random.shuffle(retArr)
       retArr=sorted(retArr,key=lambda k:k['date'],reverse=True)
     except:
       retArr=[]
     return {"data":retArr},200
Islogin.py
from flask import request, after_this_request
from utils.password import checkPassword
from flask_restful import Resource
from utils.cookieChecker import token required
class IsLogin(Resource):
  @token_required
  def get(email, self):
    return {"status": "Logged in"}, 200
login.py
from datetime import datetime
from flask restful import Resource
from flask import request, after this request
from utils.password import checkPassword
from utils.dbQuery import *
from dateparser import parse
from utils.tokener import generate_confirmation_token
from utils.emailSender import emailSender
import app
import jwt
class Login(Resource):
  def post(self):
```

```
data=request.json
    ip=request.headers.get("ip")
    email=data["email"]
    password=data["password"]
    queryRes=selectQuery("SELECT * from user where email=?",(email,))
    res=checkPassword(password,queryRes["PASSWORD"])
    if(not res):
       return {"status":"Wrong credentials"},400
    if(not queryRes["VERIFIED"]):
       lastTime=parse(queryRes["RESEND_TIME"])
       currTime=datetime.now()
       diff=currTime-lastTime
       diff=diff.total_seconds()
       if(diff>3600):
         token=generate_confirmation_token(email)
         emailSender(email,token)
         insertQuery("UPDATE user set RESEND_TIME=? where
email=?",(datetime.now(),email))
      return {"status":"Not verified"},400
    @after_this_request
    def cookieSender(response):
       access_token=jwt.encode(
         {"email":email,"ip":ip},app.app.config['SECRET_KEY']
       )
response.set_cookie("access_token",str(access_token),httponly=True,samesite=
None,path="/")
       #
response.set_cookie("email",str(email),httponly=True,samesite=None,path="/")
      response.headers.add('Set-Cookie',f'access_token={str(access_token)};
SameSite=None; Secure; HttpOnly; Path=/')
       response.headers.add('Set-Cookie',f'email={str(email)};
SameSite=None; Secure; HttpOnly; Path=/')
       return response
    return{"status":"Successfully Logged in"},200
```

Register.py

from datetime import datetime

```
from flask import request, after_this_request
from flask_restful import Resource
from utils.dbQuery import insertQuery
from utils.emailSender import newEmailSender
from utils.password import genHash
class Register(Resource):
  def post(self):
     req=request.json
     name=req['name']
    email=req['email']
     password=req['password']
     favourite=req['favourite']
     fav=','.join(favourite)
     if(name==" or email==" or password==" or fav=="):
       return {"status":"Missing data"},404
     password=genHash(password)
     t=(name,email,password,fav,datetime.now())
     res=insertQuery('INSERT INTO user
(name,email,password,favourites,resend_time) values (?,?,?,?)',t)
     if(not res):
       return {"status":"Error while registering"},400
     @after_this_request
     def emailer(response):
       newEmailSender(email)
       return response
     return {"status": "Successfully registered"},200
verify.py
from flask import request
from flask_restful import Resource
from utils.tokener import confirm token
from utils.dbQuery import insertQuery
class Verify(Resource):
  def post(self):
     data=request.json
     token=data["token"]
     email=confirm_token(token)
     if(not email):
       return {"status":"Couldn't verify"},400
```

```
res=insertQuery("UPDATE user set verified=True where
email=?",(email,))
     if(not res):
        return {"status":"Couldn't Update"},400
     return {"status": "verified successfully"},200
Utils
apiFetch.py
from datetime import datetime
from time import sleep
import warnings
from dotenv import dotenv_values
from threading import *
import requests
from dateparser import parse
class Api:
  warnings.simplefilter('ignore')
  __key = dotenv_values(".env")
   key = key["key"]
  <u>apiMap</u> = { }
  \underline{\hspace{0.5cm}} mainApiMap = {}
  __url = "https://newscatcher.p.rapidapi.com/v1/latest_headlines"
    headers = {
     "X-RapidAPI-Key": str(_key),
     "X-RapidAPI-Host": "newscatcher.p.rapidapi.com"
  def newCatcherRunner(self, title):
     querystring = {"topic": title, "lang": "en",
              "media": "True", "country": "IN"}
     respone = requests.request(
       "GET", url=self_url, headers=self_headers, params=querystring)
     respone = respone.json()
     retArr = []
     for x in respone["articles"]:
       newJson = \{\}
       newJson["url"] = x["link"]
       newJson["title"] = x["title"]
       newJson["img"] = x["media"]
       newJson["topic"] = x["topic"]
       currTime = parse(x["published_date"])
       newJson["date"] = currTime.strftime("%d/% m/% Y")
       retArr.append(newJson)
     return retArr
```

querystring = {"topic":"news","lang": "en","media": "True", "country": "IN"}

def topHeadlinesFetcher(self):

```
respone = requests.request("GET", url=self._url, headers=self._headers,
params=querystring)
    respone = respone.json()
    retArr = []
    for x in respone["articles"]:
       newJson = \{\}
       newJson["url"] = x["link"]
       newJson["title"] = x["title"]
       newJson["img"] = x["media"]
       newJson["topic"] = x["topic"]
       currTime = parse(x["published_date"])
       newJson["date"] = currTime.strftime("%d/%m/%Y")
       retArr.append(newJson)
    self.__apiMap["headline"]=retArr
    print("headline fetched at "+str(datetime.now()))
  def newsCatcherApiFetcher(self):
    arr = ["sport", "tech", "world", "finance", "politics", "business",
         "economics", "entertainment", "beauty", "travel", "music", "food", "science"]
    for x in arr:
       self. apiMap[x] = self. newCatcherRunner(x)
     print("NewsCatcher fetched at "+str(datetime.now()))
  def cricketFetcher(self):
    url = "https://cricbuzz-cricket.p.rapidapi.com/news/v1/index"
    headers = {
       "X-RapidAPI-Key": self. key,
       "X-RapidAPI-Host": "cricbuzz-cricket.p.rapidapi.com"
    response = requests.request("GET", url, headers=headers)
    response = response.json()
    response = response["storyList"]
    retArr = []
    for x in response:
       try:
         x = x["story"]
         newJson = \{\}
         newJson["url"] = f'https://www.cricbuzz.com/cricket-news/{x["id"]}/newsTrakcer'
         newJson["title"] = x["hline"]
         newJson["image"] =
f'https://www.cricbuzz.com/a/img/v1/500x500/i1/c{x["id"]}/abc.jpg'
         currTime = datetime.fromtimestamp(int(x["pubTime"])/1e3)
         newJson["date"] = currTime.strftime("%d/%m/%Y")
         newJson["topic"] = "cricket"
         retArr.append(newJson)
       except:
         pass
    self.__apiMap["cricket"] = retArr
     print("Cricbuzz fetched at "+str(datetime.now()))
  def newsCatcherThreader(self):
```

```
while True:
       print("NewsCatcher fetching. ...at "+str(datetime.now()))
          self. newsCatcherApiFetcher()
          self._mainApiMap = self._apiMap
       except:
          print("Error NewsCatcher fetching.... at "+str(datetime.now()))
          pass
       sleep(30*60)
  def topHeadlinesThreader(self):
     while True:
       print("Headline fetching.....at "+str(datetime.now()))
       try:
          self._topHeadlinesFetcher()
          self._mainApiMap = self._apiMap
       except:
          print("Error headline fetching. ... at "+str(datetime.now()))
          pass
       sleep(30*60)
  def cricbuzzThreader(self):
     while True:
       print("Cricbuzz fetching.....at "+str(datetime.now()))
          self. cricketFetcher()
          self. mainApiMap = self. apiMap
       except:
          print("Error Cricbuzz fetching. ... at "+str(datetime.now()))
          pass
       sleep(15*60)
  def dataGetter(self, topic):
     return self.__mainApiMap[str(topic)]
a = Api()
def apiRunner():
  t1 = Thread(target=a.topHeadlinesThreader)
  t2 = Thread(target=a.newsCatcherThreader)
  t3 = Thread(target=a.cricbuzzThreader)
  t1.daemon=True
  t2.daemon=True
  t3.daemon=True
  t1.start()
  t2.start()
  t3.start()
def apiData(topic):
  return a.dataGetter(topic)
```

CookieChecker.py

```
import app
from functools import wraps
import jwt
from flask import request, after_this_request
def token_required(f):
  @wraps(f)
  def decorated(*args, **kwargs):
    token = request.cookies.get("access_token")
       data = jwt.decode(token, app.app.config['SECRET_KEY'],algorithms=['HS256'])
       ip=request.headers.get("ip")
       cookieIp=data['ip']
       if(ip!=cookieIp):
         resp={"status":"not logged in"}
          @after_this_request
         def deleter(response):
            response.delete_cookie("access_token",path="/")
            response.delete_cookie("email",path="/")
            return response
         return resp,401
    except:
       resp = {"status":"not logged in"}
       @after_this_request
       def deleter(response):
         response.delete_cookie("access_token",path="/")
         response.delete_cookie("email",path="/")
         return response
       return resp, 401
    return f(data['email'],*args, **kwargs)
  return decorated
```

dbConfig.py

```
from dotenv import dotenv_values

def getDbCred():
    data=dotenv_values(".env")
    dsn_hostname=data["ibm_host_name"]
    dsn_uid=data["ibm_user_id"]
    dsn_pwd=data["ibm_password"]
    dsn_driver=data["ibm_driver"]
    dsn_database=data["ibm_db_name"]
    dsn_port=data["ibm_port"]
    dsn_protocol=data["ibm_protocol"]
    dsn=(
        "DATABASE={1};"
        "HOSTNAME={2};"
        "PORT={3};"
```

```
"PROTOCOL={4};"

"UID={5};"

"PWD={6};"

"SECURITY=SSL").format(dsn_driver,dsn_database,dsn_hostname,dsn_p
ort,dsn_protocol,dsn_uid,dsn_pwd)
return dsn

dbQuery.py
import ibm_db
```

import ibm_db from utils.dbConfig import getDbCred conn=ibm_db.connect(getDbCred(),"","") def selectQuery(query,params=None): try: stmt=ibm_db.prepare(conn,query) if(params==None): ibm_db.execute(stmt) data=ibm_db.fetch_assoc(stmt) return data ibm_db.execute(stmt,params) data=ibm_db.fetch_assoc(stmt) return data except: return False def insertQuery(query,params): try: stmt=ibm_db.prepare(conn,query) ibm_db.execute(stmt,params) return True

emailSender.py

return False

except:

```
from __future__import print_function
from utils.tokener import generate_confirmation_token
import sib_api_v3_sdk
import app
from sib_api_v3_sdk.rest import ApiException
from datetime import datetime
def emailSender(email, token):
    configuration = sib_api_v3_sdk.Configuration()
```

```
configuration.api_key['api-key'] = app.data['mail_api_key']
  api_instance = sib_api_v3_sdk.TransactionalEmailsApi(
    sib_api_v3_sdk.ApiClient(configuration))
  now = datetime.now()
  dt_string = now.strftime("%d/%m/%Y %H:%M:%S")
  msg = \{\}
  msg['Subject'] = "Verfiy your NewsTracker Account"
  msg['From'] = { "name": "News Tracker Dev Team",
          "email": "verify@newstracker.com"}
  msg['To'] = [\{"email": email\}]
  msg['Text']=f'Please click this <a
href="http://127.0.0.1:5500/frontend/pages/verify.html?token={token}">link</a
> to verify your account'
  html = f"""\
  <html>
    <head></head>
    <body>
    <br>>
    Hurray
                 , you just registerd at NewsTracker<br><br>
    Please click the following link to verify your account:<br/><br/>br>
    <a
href="http://127.0.0.1:5500/frontend/pages/verify.html?token={token}">Click
Here to Verify ♥</a>
    <br>
           Note: This link expires within one hour from the time sent
    <br>><br>>
    Regrads,<br>
    <a href="https://localhost:5000">NewsTracker Dev Team</a>
    <br>><br>>
    Email sent at {dt_string}
    </body>
  </html>
  send_smtp_email = sib_api_v3_sdk.SendSmtpEmail(
    to=msg['To'], html_content=html, sender=msg['From'],
subject=msg['Subject'],text_content=msg['Text'])
  try:
    api_response = api_instance.send_transac_email(send_smtp_email)
    print(api_response)
  except ApiException as e:
```

```
print("Exception when calling SMTPApi->send_transac_email: %s\n" %
e)
def newEmailSender(email):
  token = generate_confirmation_token(email)
  emailSender(email, token)
password.py
import bcrypt
def genHash(password):
  salt=bcrypt.gensalt()
  bytes=password.encode('utf-8')
  hash=bcrypt.hashpw(bytes,salt)
  print(hash)
  return hash
def checkPassword(password,hash):
  hash=hash.encode('utf-8')
  bytes=password.encode('utf-8')
  res=bcrypt.checkpw(bytes,hash)
  return res
tokener.py
from itsdangerous import URLSafeTimedSerializer
import app
def generate_confirmation_token(email):
  serializer=URLSafeTimedSerializer(app.app.config['SECRET_KEY'])
  return
serializer.dumps(email,salt=app.app.config['SECURITY_PASSWORD_SALT']
def confirm_token(token,expiration=3600):
  serializer=URLSafeTimedSerializer(app.app.config['SECRET_KEY'])
  try:
    email=serializer.loads(
       token.
       salt=app.app.config['SECURITY_PASSWORD_SALT'],
       max_age=expiration
```

```
)
  except:
    return False
  return email
Frontend
Bookmarks.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/bookmarks.css">
  <title>Document</title>
</head>
<body>
  <nav id="head_nav">
    <div class="title_container">
       <img id="ham_icon" src="../assets/hamburger 1.svg" alt="ham_icon">
       <h1 id="app_name">News App</h1>
       <!-- <div class="search_container">
         <input type="text"</pre>
           id="search_box"
           placeholder="Search for topics, locations and resources"
         >
       </div> -->
       <img id="user_icon" src="../assets/user 1.svg" alt="user_icon">
```

```
<div class="profile_div display_none">
         <a class="bookmarked link" href="./bookmarks.html"><h3
class="bookmarked">Bookmarks</h3></a>
         <h3 class="logout">Logout</h3>
       </div>
    </div>
    <div class="menu container">
       <h3 class="nav button selected nav item">Home</h3>
       <h3 class="nav_button">India</h3>
       <h3 class="nav_button">World</h3>
       <h3 class="nav_button">Technology</h3>
       <h3 class="nav_button">Entertainment</h3>
       <h3 class="nav_button">Sports</h3>
       <h3 class="nav_button">Science</h3>
       <h3 class="nav button">Health</h3>
    </div>
  </nav>
  <section id="home">
    <div class="news_wrapper">
       <img class="bookmark" src="../assets/bookmark-solid.svg" alt="" />
       <a class="news cont" href="./news.html">
         <div class="img_cont">
           <img src="../assets/pexels-cottonbro-3944418 1.png" alt=""</pre>
class="news_thumbnail">
         </div>
         <div class="news_content">
           <h2 class="news_heading">JSV effect</h2>
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Rerum eveniet quibusdam autem iste, eligendi nihil quod molestias facere incidunt quia officia atque distinctio consequuntur qui, suscipit voluptates quasi minus ipsum.

```
</div>
</div>
</div>
</section>
<script src="../js/main.js"></script>
</body>
</html>
```

Index.html

```
<!-- <div class="search_container">
         <input type="text"</pre>
           id="search_box"
           placeholder="Search for topics, locations and resources"
         >
       </div> -->
       <img id="user_icon" src="../assets/user 1.svg" alt="user_icon">
       <div class="profile_div display_none">
         <a class="bookmarked link" href="./bookmarks.html"><h3
class="bookmarked">Bookmarks</h3></a>
         <h3 class="logout">Logout</h3>
       </div>
    </div>
    <div class="menu_container">
       <h3 class="nav_button selected_nav_item">Home</h3>
      <h3 class="nav_button">India</h3>
       <h3 class="nav_button">World</h3>
       <h3 class="nav_button">Technology</h3>
       <h3 class="nav_button">Entertainment</h3>
       <h3 class="nav_button">Sports</h3>
       <h3 class="nav button">Science</h3>
       <h3 class="nav_button">Health</h3>
    </div>
  </nav>
  <section id="home">
    <div class="horizontal_content">
       <div class="news_wrapper">
```

```
<img class="bookmark" src="../assets/bookmark-regular.svg" alt=""</pre>
/>
         <a class="news_cont" href="./news.html">
            <div class="img_cont">
              <img src="../assets/pexels-cottonbro-3944418 1.png" alt=""</pre>
class="news_thumbnail">
            </div>
            <div class="news_content">
              <h2 class="news_heading">JSV effect</h2>
            </div>
          </a>
       </div>
       <div class="news_wrapper">
          <img class="bookmark" src="../assets/bookmark-regular.svg" alt=""</pre>
/>
         <a class="news cont" href="./news.html">
            <div class="img_cont">
              <img src="../assets/pexels-cottonbro-3944418 1.png" alt=""</pre>
class="news_thumbnail">
            </div>
            <div class="news_content">
              <h2 class="news_heading">JSV effect</h2>
            </div>
         </a>
       </div>
       <div class="news_wrapper">
          <img class="bookmark" src="../assets/bookmark-regular.svg" alt=""</pre>
/>
```

```
<a class="news_cont" href="./news.html">
            <div class="img_cont">
              <img src="../assets/pexels-cottonbro-3944418 1.png" alt=""</pre>
class="news thumbnail">
            </div>
            <div class="news_content">
              <h2 class="news_heading">JSV effect</h2>
            </div>
         </a>
       </div>
       <div class="news_wrapper">
         <img class="bookmark" src="../assets/bookmark-regular.svg" alt=""</pre>
/>
         <a class="news_cont" href="./news.html">
            <div class="img_cont">
              <img src="../assets/pexels-cottonbro-3944418 1.png" alt=""</pre>
class="news_thumbnail">
            </div>
            <div class="news_content">
              <h2 class="news_heading">JSV effect</h2>
            </div>
         </a>
       </div>
    </div>
    <div class="news_wrapper">
       <img class="bookmark" src="../assets/bookmark-regular.svg" alt="" />
       <a class="news_cont" href="./news.html">
```

```
<div class="img_cont">
           <img src="../assets/pexels-cottonbro-3944418 1.png" alt=""</pre>
class="news thumbnail">
         </div>
         <div class="news_content">
           <h2 class="news_heading">JSV effect</h2>
           Lorem ipsum dolor sit amet consectetur adipisicing elit. Rerum
eveniet quibusdam autem iste, eligendi nihil quod molestias facere incidunt quia
officia atque distinctio consequuntur qui, suscipit voluptates quasi minus
ipsum.
         </div>
       </a>
    </div>
  </section>
<script src="../js/main.js"></script>
<script src="../js/index.js" type="module"></script>
</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-</pre>
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</pre>
autocomplete="name">
            <input type="email" placeholder="E-mail" class="box" required
autocomplete="email">
            <input type="password" placeholder="PASSWORD" class="box"</pre>
required autocomplete="current-password">
            <input type="password" placeholder="RE-ENTER PASSWORD"</pre>
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"</pre>
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">
               <input type="checkbox" id="checkboxOne"</li>
value="sport" checked><label for="checkboxOne">sport</label>
                <input type="checkbox" id="checkboxTwo"</li>
value="tech" checked><label for="checkboxTwo">tech</label>
                <input type="checkbox" id="checkboxThree"</li>
value="world"><label for="checkboxThree">world</label>
                <input type="checkbox" id="checkboxFour"</li>
value="finance"><label for="checkboxFour">finance</label>
                <input type="checkbox" id="checkboxFive"</li>
value="politics" checked><label for="checkboxFive">politics</label>
                <input type="checkbox" id="checkboxSix"</li>
value="business"><label for="checkboxSix">business</label>
                <input type="checkbox" id="checkboxSeven"</li>
value="economics"><label for="checkboxSeven">economics</label>
                <input type="checkbox" id="checkboxEight"</li>
value="entertainment"><label
for="checkboxEight">entertainment</label>
```

```
<input type="checkbox" id="checkboxNine"</li>
value="beauty"><label for="checkboxNine">beauty</label>
                 <input type="checkbox" id="checkboxTen"</li>
value="travel"><label for="checkboxTen">travel</label>
                 <input type="checkbox" id="checkboxEleven"</li>
value="music"><label for="checkboxEleven">music</label>
                 <input type="checkbox" id="checkboxTwelve"</li>
value="food"><label for="checkboxTwelve">food</label>
                 <input type="checkbox" id="checkboxThirteen"</li>
value="science"><label for="checkboxThirteen">science</label>
                 <input type="checkbox" id="checkboxFourteen"</li>
value="cricket"><label for="checkboxFourteen">cricket</label>
                </div>
             <h1>Already registed ?</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>
```

News.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="../css/news.css">
  <title>Document</title>
</head>
<body>
  <nav id="head_nav">
    <div class="title_container">
      <img id="ham_icon" src="../assets/hamburger 1.svg" alt="ham_icon">
       <h1 id="app_name">News App</h1>
      <!-- <div class="search_container">
         <input type="text"</pre>
           id="search box"
           placeholder="Search for topics, locations and resources"
         >
       </div> -->
      <img id="user_icon" src="../assets/user 1.svg" alt="user_icon">
      <div class="profile_div display_none">
         <h3 class="logout">Logout</h3>
       </div>
    </div>
```

```
<div class="menu_container">
      <h3 class="selected_nav_item">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>
  <iframe src="" frameborder="0">
    <!-- news API -->
  </iframe>
  <script src="../js/main.js"></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" />
```

IBM-EPBL/IBM-Project-53859-1661502515

Project demo link

https://abishek-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/demo%20video.mp4