NEWS TRACKER APPPLICATION

USING CLOUD

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

BACHELOR OF TECHNOLOGY IN

INFORMATION TECHNOLOGY

Submitted by

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NOV-2022

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 Deeplearning 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

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.

1.1Project overview

As news is increasingly accessed on smartphones and tablets, the need for personalizing 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 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 recognize 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.

1.2Purpose

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/.

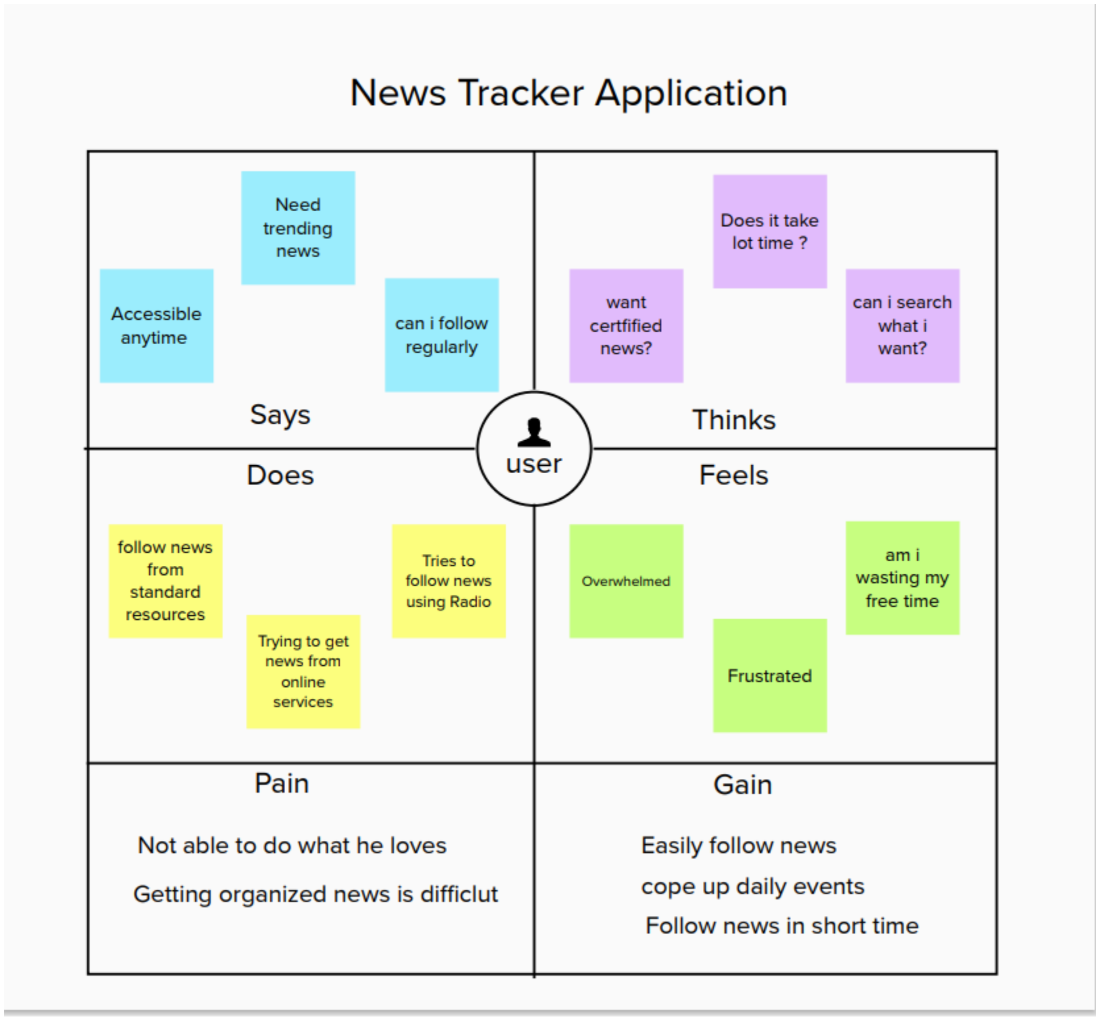
https://techvidvan.com/tutorials/android-news-app-project-source-code/
https://www.ripublication.com/

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

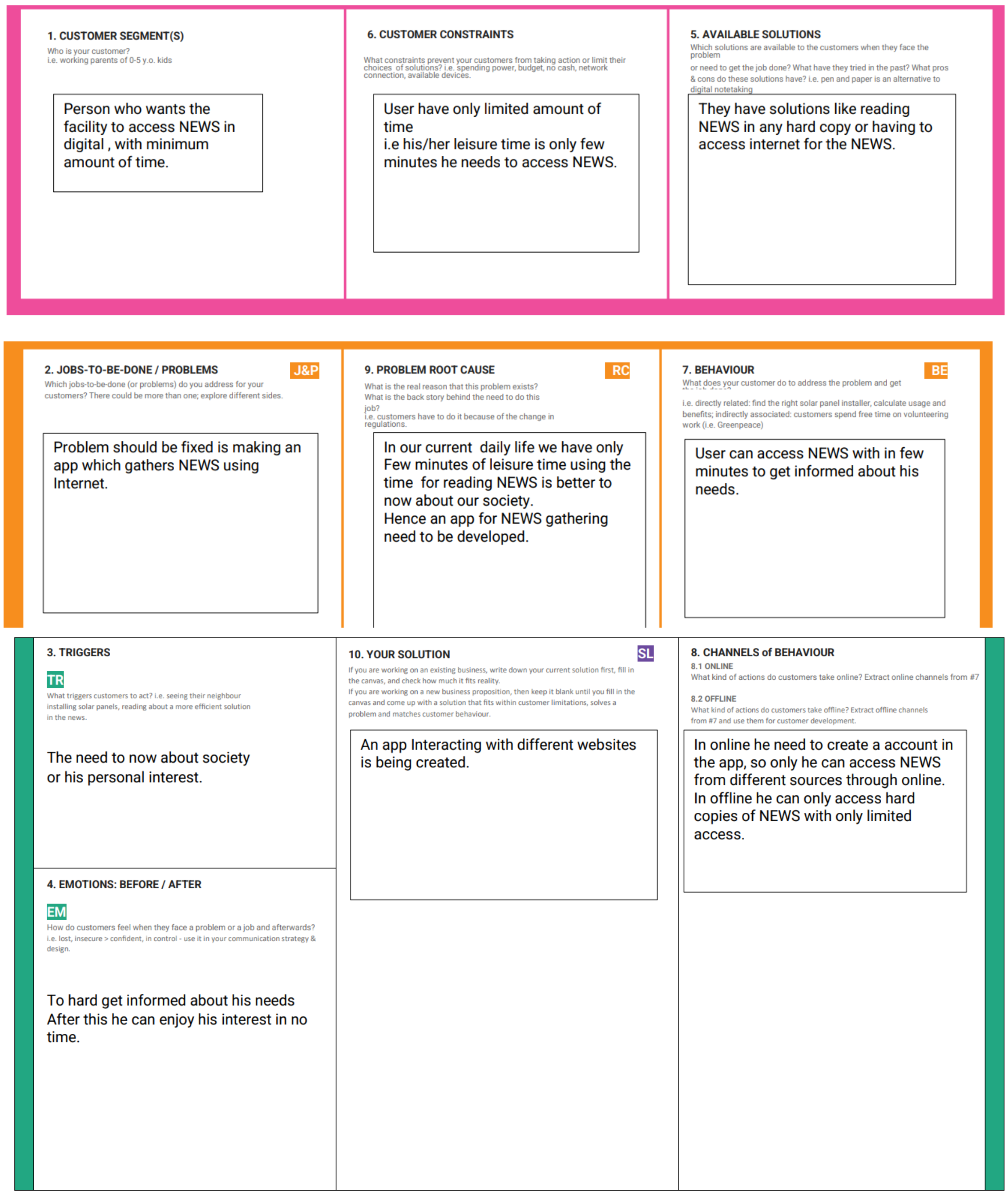
3.1 Empathy Map Canvas


News Tracker Application
Need trending news
Accessible anytime
can i follow regularly
Says
Does it take lot time ?
want certfified news?
can i search what i want?
Thinks
user
Does
follow news from standard resources
Tries to follow news using Radio
Trying to get news from online services
Feels
Overwhelmed
am i wasting my free time
Frustrated
Pain
Not able to do what he loves
Getting organized news is difficult
Gain
Easily follow news
cope up daily events
Follow news in short time

3.2 Proposed solution

S.NO	PARAMETERS	DESCRIPTION
1.	Problem statement (problems to be solved	To help customer to access NEWS using Cloud Application.
2.	Idea/solution description	Making the customer to access news in few touch, providing authorized news, cloud based app, With tons of features to make it exciting
3.	Novelty/Uniqueness	Profile based account, like and share, download blogs, links to original publishers are provided.
4.	Social Impact/Customer satisfaction	Customer Satisfaction, Customer can follow NEWS publishers, like and share feature.
5.	Business Model (Revenue)	Showing ad, Showing a particular publishers NEWS and blogs.
6.	Scalability of the solution	Enabling the system to scalable according to the customers need

3.4 Problem Solution fit



1. CUSTOMER SEGMENT(S)

Who is your customer?
i.e. working parents of 0-5 y.o. kids

Person who wants the facility to access NEWS in digital , with minimum amount of time.

6. CUSTOMER CONSTRAINTS

What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.

User have only limited amount of time
i.e his/her leisure time is only few minutes he needs to access NEWS.

5. AVAILABLE SOLUTIONS

Which solutions are available to the customers when they face the problem
or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking

They have solutions like reading NEWS in any hard copy or having to access internet for the NEWS.

2. JOBS-TO-BE-DONE / PROBLEMS J&P

Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

Problem should be fixed is making an app which gathers NEWS using Internet.

9. PROBLEM ROOT CAUSE RC

What is the real reason that this problem exists?
What is the back story behind the need to do this job?
i.e. customers have to do it because of the change in regulations.

In our current daily life we have only Few minutes of leisure time using the time for reading NEWS is better to now about our society.
Hence an app for NEWS gathering need to be developed.

7. BEHAVIOUR BE

What does your customer do to address the problem and get the job done?

i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

User can access NEWS with in few minutes to get informed about his needs.

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.

The need to now about society or his personal interest.

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.

To hard get informed about his needs
After this he can enjoy his interest in no time.

10. YOUR SOLUTION SL

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 with a solution that fits within customer limitations, solves a problem and matches customer behaviour.

An app Interacting with different websites is being created.

8. CHANNELS of BEHAVIOUR

8.1 ONLINE
What kind of actions do customers take online? Extract online channels from #7

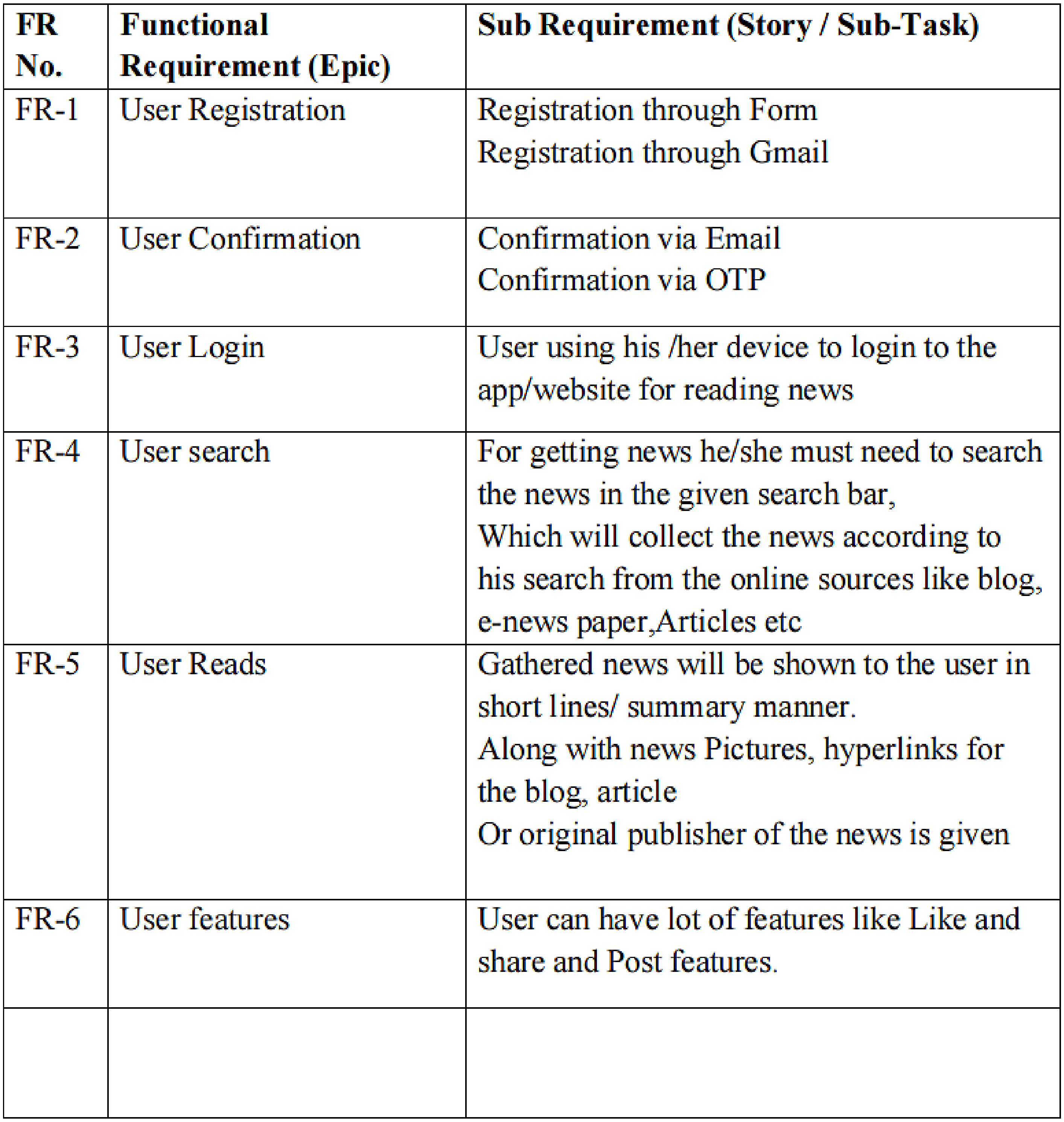
8.2 OFFLINE
What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

In online he need to create a account in the app, so only he can access NEWS from different sources through online.
In offline he can only access hard copies of NEWS with only limited access.

4. REQUIREMENT ANALYSIS

4.1 Functional requirement

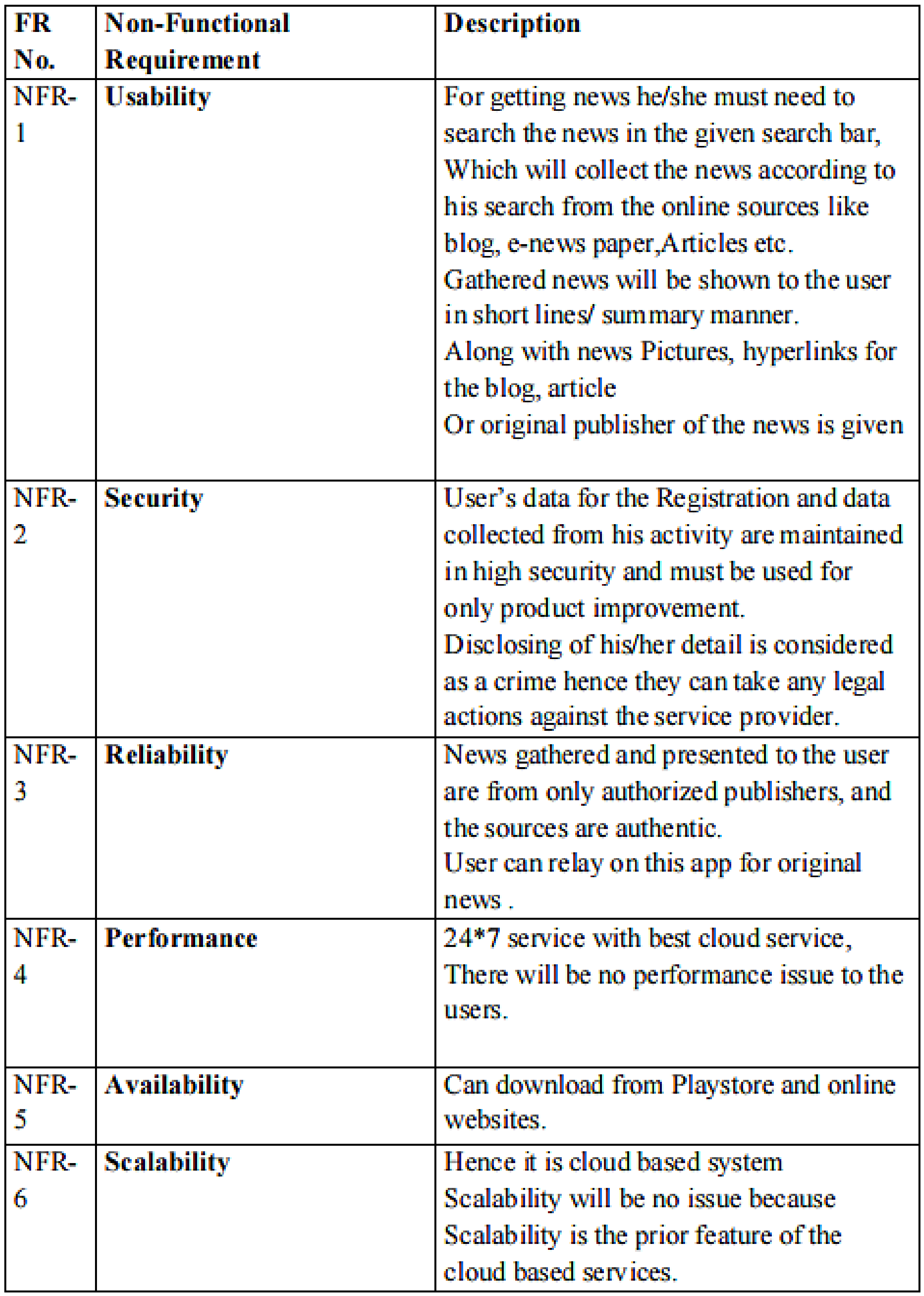
Following are the functional requirements of the proposed solution



FR No.	**Functional Requirement (Epic)**	**Sub Requirement (Story / Sub-Task)**
FR-1	User Registration	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	User using his /her device to login to the app/website for reading news
FR-4	User search	For getting news he/she must need to search the news in the given search bar, Which will collect the news according to his search from the online sources like blog, e-news paper,Articles etc
FR-5	User Reads	Gathered news will be shown to the user in short lines/ summary manner. Along with news Pictures, hyperlinks for the blog, article Or original publisher of the news is given
FR-6	User features	User can have lot of features like Like and share and Post features.

4.2 Non-functional Requirements:

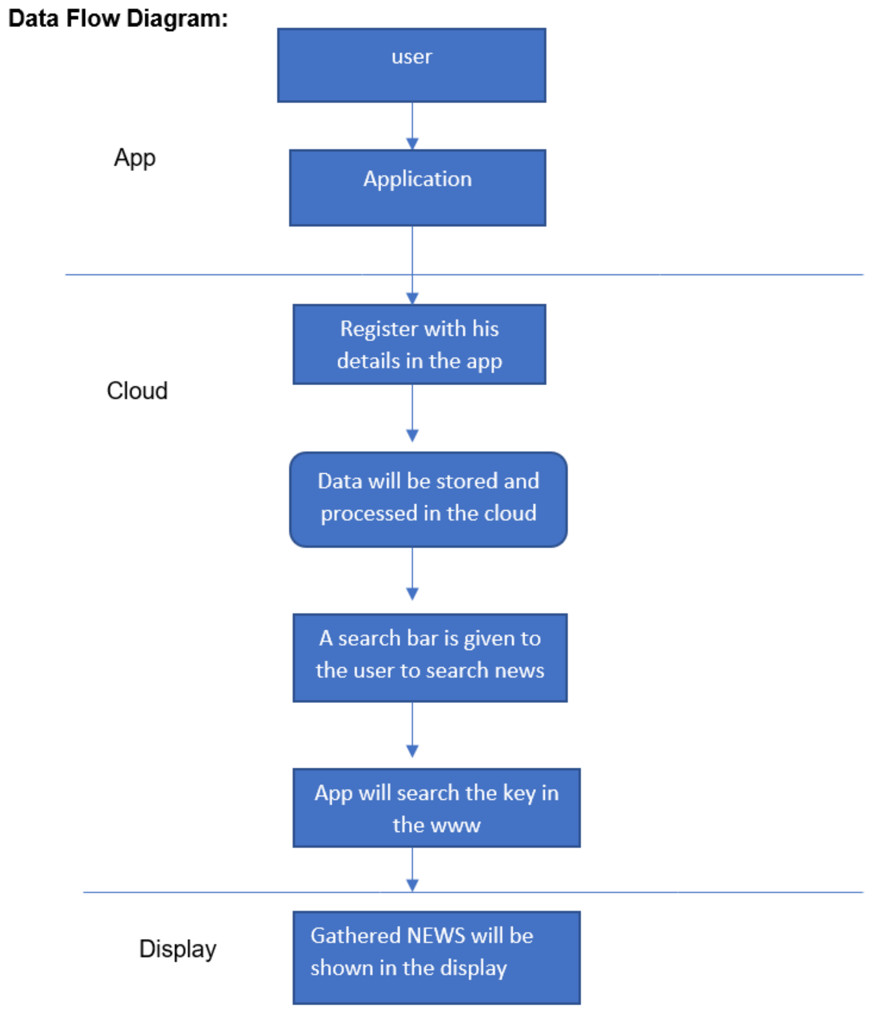
Following are the non-functional requirements of the proposed solution.



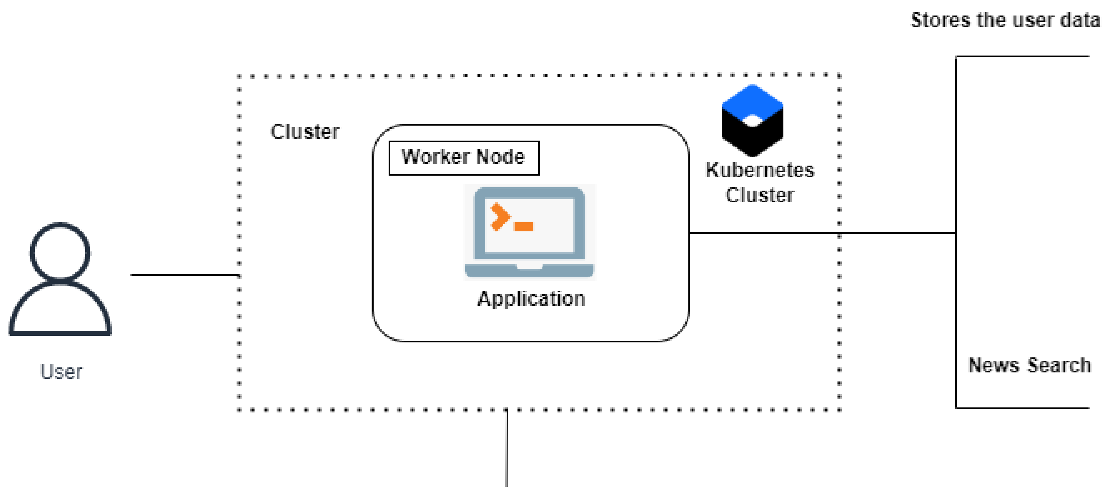
FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	For getting news he/she must need to search the news in the given search bar, Which will collect the news according to his search from the online sources like blog, e-news paper,Articles etc. Gathered news will be shown to the user in short lines/ summary manner. Along with news Pictures, hyperlinks for the blog, article Or original publisher of the news is given
NFR-2	**Security**	User's data for the Registration and data collected from his activity are maintained in high security and must be used for only product improvement. Disclosing of his/her detail is considered as a crime hence they can take any legal actions against the service provider.
NFR-3	**Reliability**	News gathered and presented to the user are from only authorized publishers, and the sources are authentic. User can relay on this app for original news .
NFR-4	**Performance**	24*7 service with best cloud service, There will be no performance issue to the users.
NFR-5	**Availability**	Can download from Playstore and online websites.
NFR-6	**Scalability**	Hence it is cloud based system Scalability will be no issue because Scalability is the prior feature of the cloud based services.

5. PROJECT DESIGN

5.1 Data Flow Diagrams


Data Flow Diagram:
user
App
Application
Cloud
Register with his details in the app
Data will be stored and processed in the cloud
A search bar is given to the user to search news
App will search the key in the www
Display
Gathered NEWS will be shown in the display

5.2 Solution & Technical Architecture



6. PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation

TITLE	DESCRIPTION	DAT E
Literature Survey & Information Gathering	Literature survey on the selected project & gatheringinformation by referring the,technical papers, research publicationsetc.	2 Sept 2022
Prepare Empathy Map	Prepare Empathy Map Canvasto capture the user Pains & Gains, Prepare list of problemstatements	10 Sept 2022
Ideation Brain Storming	List the by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance.	15 Sept 2022
Proposed Solution	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.	23 Sept 2022
Problem Solution Fit	Prepare problem solution fit document	28 Sept 2022
Solution Architecture	Prepare solution architecture document.	5 October 2022
Customer Journey	Prepare the customer journey maps to	7 October 2022

	understand the user interactions & experiences with the application (entry toexit).	
Solution Requirement	Prepare the functional requirement document	8 October 2022
Data Flow Diagrams	Draw the data flow diagrams and submit for review.	10 October 2022
Technology Architecture	Prepare the technology architecture diagram.	15 October 2022
Prepare Milestone & Activity List	Prepare the milestones & activity list of the project.	26 October 2022
Project Development - Delivery of Sprint-1, 2, 3 & 4	Develop & submit the developed code by testing it.	IN PROGRESS..

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>
 <link 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 -->
<link rel="apple-touch-icon" href="/docs/5.0/assets/img/favicons/apple-touch
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">
<link rel="mask-icon" href="/docs/5.0/assets/img/favicons/safari-pinned
tab.svg" color="#7952b3">
<link 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> <button class="navbar-toggler"
type="button" data-bs
toggle="offcanvas" data-bs-target="#offcanvasDarkNavbar" aria
controls="offcanvasDarkNavbar">
 <span class="navbar-toggler-icon"></span>
 </button>
 <div class="offcanvas offcanvas-end text-bg-dark" tabindex="-1"
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="offcanvas" aria-label="Close"></button>
 </div>
 <div class="offcanvas-body">
 <ul class="navbar-nav justify-content-end flex-grow-1 pe-3">
 <li class="nav-item">
 <a class="nav-link active" aria-current="page"
href="home.html">Home</a>
 </li>
 <li class="nav-item">
 <a class="nav-link" href="base.html">Fetch News</a>
 </li>
 <li class="nav-item">
 <a class="nav-link" href="about.html">About Us</a>
 </li>
 <li class="nav-item">
 <a class="nav-link" href="signin.html">Sign In</a>
 </li> <li class="nav-item">
 <a class="nav-link" href="signup.html">Sign Up</a>
 </li>
 </div>
 </div>
 </div>
 </nav>
<main class="form-signin ">
 <form action = "{{ url_for("getUser")}}" method="POST">
 <img class="mb-4" src="static/Images/house-user-solid.svg" alt=""
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 =
"uname" placeholder="name@example.com">
 <label for="floatingInput">Email address</label>
 </div>
 <br>
 <button class="w-100 btn btn-lg btn-warning btn-outline-warning"
type="submit"><a href="static/templates/changepass.html">Change
Password</a></button><br><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 => {
 const htmlSnippet = event.target.closest('.bd-code
snippet').querySelector('.bd-example').innerHTML
```

```
 const classes = Array.from(event.target.closest('.bd-code
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
please adapt this content to your needs\.\n\/\/
\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u0
02b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b
```

\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u0
02b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\u002b\n\n\/*!\n * JavaScript for
Bootstrap\u0027s docs \(https:\/\/getbootstrap\.com\/\)\n * Copyright 2011\-
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\/*
global bootstrap: false *\/\n\n\(\(\) =\u003e \{\n \u0027use strict\u0027\n\n \/\/
\-\-\-\-\-\-\-\-\n \/\/ Tooltips\n \/\/ \-\-\-\-\-\-\-\-\n \/\/ Instantiate all tooltips in a
docs or StackBlitz page\n document\.querySelectorAll\(\u0027\[data\-bs\-
toggle=\u0022tooltip\u0022\]\u0027\)\n \.forEach\(tooltip =\u003e \{\n new
bootstrap\.Tooltip\(tooltip\)\n \}\)\n\n \/\/ \-\-\-\-\-\-\-\-\n \/\/ Popovers\n \/\/ \-
\-\-\-\-\-\-\-\n \/\/ Instantiate all popovers in a docs or StackBlitz page\n
document\.querySelectorAll\(\u0027\[data\-bs\-
toggle=\u0022popover\u0022\]\u0027\)\n \.forEach\(popover =\u003e \{\n
new bootstrap\.Popover\(popover\)\n \}\)\n\n \/\/ \-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-
\-\-\-\-\-\-\-\-\-\-\-\-\-\n \/\/ Toasts\n \/\/ \-
\-\-\-\n \/\/ Used by \u0027Placement\u0027 example in docs or StackBlitz\n
const toastPlacement =
document\.getElementById\(\u0027toastPlacement\u0027\)\n if
\(toastPlacement\)
\{\n
document\.getElementById\(\u0027selectToastPlacement\u0027\)\.addEventLis
tener\(\u0027change\u0027, function
\(\)
\{\n if
\(!toastPlacement\.dataset\.originalClass\)
\{\n
toastPlacement\.dataset\.originalClass = toastPlacement\.className\n \}\n\n
toastPlacement\.className =
`\$\{toastPlacement\.dataset\.originalClass\}
\$\{this\.value\}`\n \}\)\n \}\n\n \/\/ Instantiate all toasts in a docs page only\n
document\.querySelectorAll\(\u0027\.bd\-example
\.toast\u0027\)\n
\.forEach\(toastNode =\u003e \{\n const toast = new

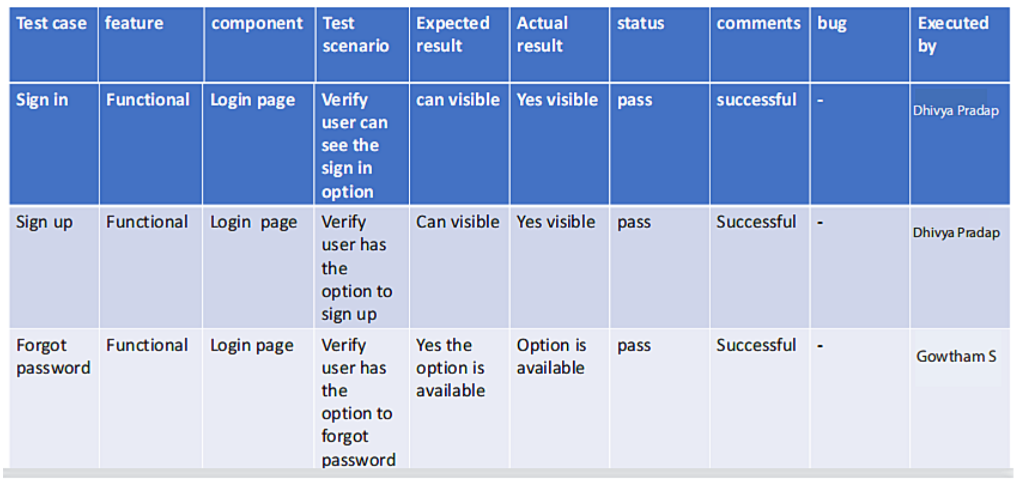
```
bootstrap\.Toast\(toastNode, \{\n autohide: false\n \}\)\n\n
toast\.show\(\)\n \}\)\n\n \/\/ Instantiate all toasts in a docs page only\n const
toastTrigger = document\.getElementById\(\u0027liveToastBtn\u0027\)\n const
toastLiveExample = document\.getElementById\(\u0027liveToast\u0027\)\n if
\(toastTrigger\) \{\n toastTrigger\.addEventListener\(\u0027click\u0027, \(\)
=\u003e \{\n const toast = new bootstrap\.Toast\(toastLiveExample\)\n\n
toast\.show\(\)\n \}\)\n \}\n\n \/\/ \-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-
\-\-\n \/\/ Alerts\n \/\/ \-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\n \/\/ Used
in \u0027Show live toast\u0027 example in docs or StackBlitz\n const
alertPlaceholder =
document\.getElementById\(\u0027liveAlertPlaceholder\u0027\)\n const
alertTrigger = document\.getElementById\(\u0027liveAlertBtn\u0027\)\n\n
const appendAlert = \(message, type\) =\u003e \{\n const wrapper =
document\.createElement\(\u0027div\u0027\)\n wrapper\.innerHTML = \[\n `\u003cdiv
class=\u0022alert alert\-$\{type\} alert\-dismissible\u0022
role=\u0022alert\u0022\u003e`,\n `
\u003cdiv\u003e$\{message\}\u003c\/div\u003e`,\n \u0027 \u003cbutton
type=\u0022button\u0022 class=\u0022btn\-close\u0022 data\-bs\-
dismiss=\u0022alert\u0022 aria\-
label=\u0022Close\u0022\u003e\u003c\/button\u003e\u0027,\n
\u0027\u003c\/div\u003e\u0027\n
\]\.join\(\u0027\u0027\)\n\n
alertPlaceholder\.append\(wrapper\)\n \}\n\n if \(alertTrigger\) \{\n
alertTrigger\.addEventListener\(\u0027click\u0027,
\(\) =\u003e
\{\n
appendAlert\(\u0027Nice, you triggered this alert message!\u0027,
\u0027success\u0027\)\n \}\)\n \}\n\n \/\/ \-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-
\-\-\-\-\-\-\-\n \/\/ Checks \u0026 Radios\n \/\/ \-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-
\-\-\-\-\-\-\-\-\n \/\/ Indeterminate checkbox example in docs and StackBlitz\n
document\.querySelectorAll\(\u0027\.bd\-example\-indeterminate
\[type=\u0022checkbox\u0022\]\u0027\)\n \.forEach\(checkbox =\u003e \{\n
if
\(checkbox\.id\.includes\(\u0027Indeterminate\u0027\)\)
```

```
\{\n
checkbox\.indeterminate = true\n \}\n \}\)\n\n \/\/ \-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-
\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\n \/\/ Links\n \/\/ \-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-
\-\-\-\-\-\-\-\n \/\/ Disable empty links in docs examples only\n
document\.querySelectorAll\(\u0027\.bd\-content
\[href=\u0022#\u0022\]\u0027\)\n \.forEach\(link =\u003e \{\n
link\.addEventListener\(\u0027click\u0027, event =\u003e
\{\n
event\.preventDefault\(\)\n \}\)\n \}\)\n\n \/\/ \-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-
\-\-\-\-\-\-\-\-\-\-\-\-\-\-\n \/\/ Modal\n \/\/ \-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-
\-\-\n \/\/ Modal \u0027Varying modal content\u0027 example in docs and
StackBlitz\n const exampleModal =
document\.getElementById\(\u0027exampleModal\u0027\)\n if
\(exampleModal\)
\{\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 = button\.getAttribute\(\u0027data\-bs\-whatever\u0027\)\n\n \/\/
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\n \/\/ \-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-
\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\n \/\/ Offcanvas\n \/\/ \-\-\-\-\-\-\-\-\-
\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\n \/\/ \u0027Offcanvas components\u0027
example in docs only\n const myOffcanvas =
document\.querySelectorAll\(\u0027\.bd\-example\-offcanvas
\.offcanvas\u0027\)\n if
\(myOffcanvas\)
\{\n
myOffcanvas\.forEach\(offcanvas =\u003e
\{\n
offcanvas\.addEventListener\(\u0027show\.bs\.offcanvas\u0027, event =\u003e
\{\n event\.preventDefault\(\)\n \}, false\)\n \}\)\n \}\n\}\)\(\)\n' : null
 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>
```

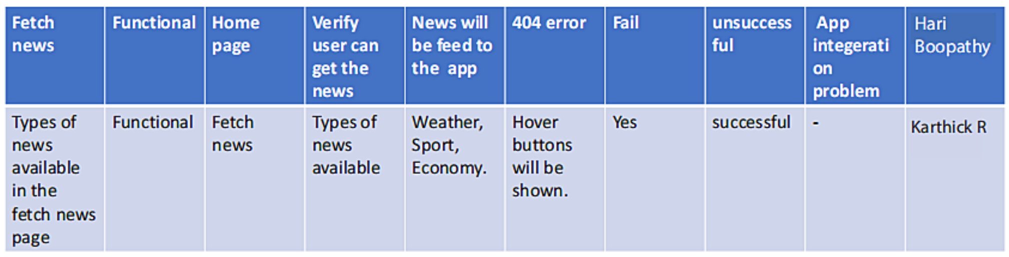
8. TESTING

8.1 Test Cases

Test case



Test case	feature	component	Test scenario	Expected result	Actual result	status	comments	bug	Executed by
Sign in	Functional	Login page	Verify user can see the sign in option	can visible	Yes visible	pass	successful	-	Dhivya Pradap
Sign up	Functional	Login page	Verify user has the option to sign up	Can visible	Yes visible	pass	Successful	-	Dhivya Pradap
Forgot password	Functional	Login page	Verify user has the option to forgot password	Yes the option is available	Option is available	pass	Successful	-	Gowtham S



Fetch news	Functional	Home page	Verify user can get the news	News will be feed to the app	404 error	Fail	unsuccessful	App integeration problem	Hari Boopathy
Types of news available in the fetch news page	Functional	Fetch news	Types of news available	Weather, Sport, Economy.	Hover buttons will be shown.	Yes	successful	-	Karthick R

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(__name__)
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_requireddef 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 datetimefrom 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"},400res=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"]
__apiMap = {}
__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
def __topHeadlinesFetcher(self):
querystring = {"topic":"news","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)
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()))
try:
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()))
```

```
try:
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.pyimport 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")
try:
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
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
except:
return False
```

emailSender.py

```
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>
<p>நன்றி, for joining NewsTracker
</p>
<br>
<p>Hurray
, you just registerd at NewsTracker<br><br>
Please click the following link to verify your account:<br>
<a
href="http://127.0.0.1:5500/frontend/pages/verify.html?token={token}">Click
Here to Verify
</a>
</p>
<br>
<p>
Note: This link expires within one hour from the time sent</p>
<br><br>
<p>Regrads,<br></p>
<p><a href="https://localhost:5000">NewsTracker Dev Team</a></p>
<br><br>
<p>Email sent at {dt_string}</p>
</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"
 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=""
class="news_thumbnail">
 </div>
 <div class="news_content">
 <h2 class="news_heading">JSV effect</h2> <p>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.</p>
 </div>
 </a>
 </div>
 </section>
<script src="../js/main.js"></script>
</body>
</html>
```

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">
 <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"
 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=""
/>
 <a class="news_cont" href="./news.html">
 <div class="img_cont">
 <img src="../assets/pexels-cottonbro-3944418 1.png" alt=""
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=""
/>
 <a class="news_cont" href="./news.html">
 <div class="img_cont">
 <img src="../assets/pexels-cottonbro-3944418 1.png" alt=""
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=""
```

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

GitHub

https://github.com/IBM-EPBL/IBM-Project-9184-1658985623

Project demo link

https://drive.google.com/file/d/1xvqskJ1u1ff6wTanwSFvo4h9mRFzz_9K/view?usp=sharing