

Project Name	News Tracker Application
Domain	Cloud Application Development
Team ID	PHT2022TMID32793

TEAM LEADER:

SARULATHA.S

TEAM MEMBERS:

1) RAKSHANA.S

2) NITHIN RAJ.S

3) SHRUTHI.P.S

1. INTRODUCTION

1.1 Project Overview

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.

1.2 Purpose :

Newspapers are one of the most popular and most needed commodities in our daily life. In today's busy world, reading newspapers has become one of the traditional ways of getting news. News is produced every minute and distributed via television, radio and the Internet, so the news updated the next morning is already outdated. So newspaper and magazine publishers have a hard time keeping up with the pace. Change is needed and publishers must embrace mobile.

2. LITERATURE SURVEY

2.1 References

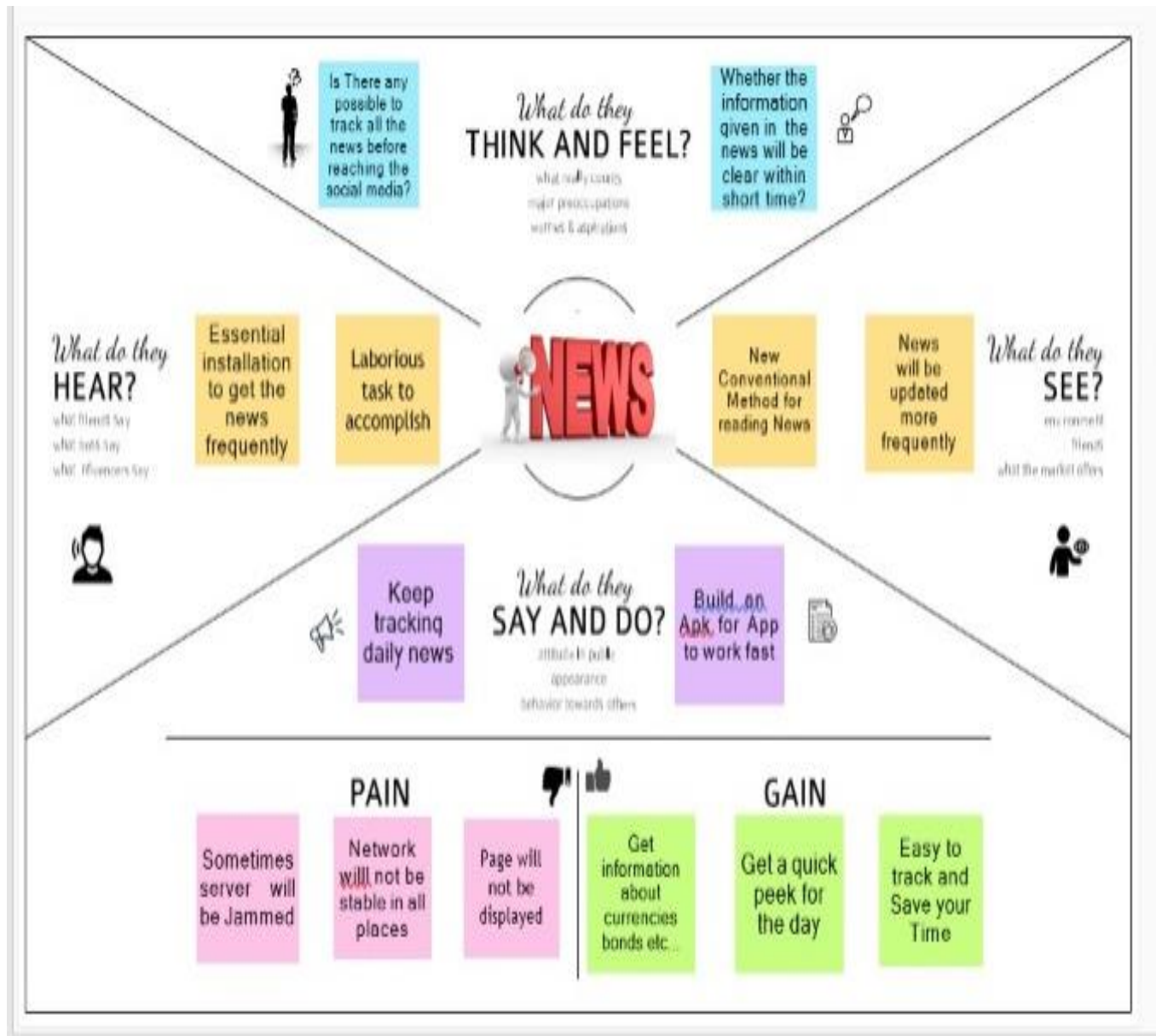
1. <https://flask.palletsprojects.com/en/2.1.x/tutorial/>
2. <https://www.ibm.com/docs/en/db2-for-zos/11?topic=zos-db2-basics-tutorial-working-db2-interactively>
3. [3.https://www.ibm.com/in-en/products/watson-assistant/docs-resources](https://www.ibm.com/in-en/products/watson-assistant/docs-resources)
4. <https://www.ibm.com/blogs/cloud-archive/2019/03/video-containerization-explained/>
5. <https://developer.ibm.com/components/cloud-foundry/tutorials/>

2.2 Problem Statement Definition

In today's world we have a lot of work and there is no time to cope up everything in the schedule. So, it is not possible to read the newspaper. By using this application, the user can access the news they are interested and get a quick peek for the day. There are multiple news-sharing apps used by a single user and are often spammed with notifications. There is also a lot of fake news which gets shared. A news-sharing app wants to help users find relevant and important news easily every day and also understand explicitly that the news is not fake but from proper sources. This news tracker application helps the user to get all information about commodities, sports, technology, education etc. The user can register using their personal details and interacts with the application and save their time. Creating an app that benefits with the smart news filtering functionality where it allows its users to segregate various news sections, comprising of business, sports, political, international, and more. The users can opt for filters like Breaking News, Most Popular, and more. Creating a user-friendly news app that would not just have good number of features, but will also be able to get accessed by different types of users keeping the experience delightful.

4. IDEATION & PROPOSED SOLUTION

4.1. Empathy Map Canvas



4.2. Ideation & Brainstorming



4.3.Proposed Solution

S. No	Parameter	Description
1.	Problem Statement (Problem to be solved)	As our lives are very busy nowadays, we often feel we need more than 24 hrs. A day to cope up with everything to be updated our self via news in our schedule. Well, that's not possible but reducing the time by using the conventional method of reading news can help at any time in any place to be updated
2.	Idea / Solution description	<ul style="list-style-type: none"> • Harnessing wide API to incorporate regular updating of news. • Feasible UI to deploy the application in a simple solution.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> • The user interacts with the application. • Registers by giving the details. • Integrate the application with news APIs and store the data in the database. • The database will have all the details and • The user can search the news by using a search bar. Detecting fake news.
4.	Social Impact / Customer Satisfaction	By substituting the cost of newspaper, we are providing free App with all information by installing Android Package Kit.

5.	Business Model (RevenueModel)	<ul style="list-style-type: none"> • Tie-ups with large news media and • Publishing houses where-in our app shares • Advertisement revenue on the news screens. • The acquired data is analyzed for business expansion endeavors.
6.	Scalability of the Solution	Since the entire business runs in cloud, scalability won't be an issue vertically and horizontally there by reducing the overall operational expenditure.

4.4. Problem Solution fit

Problem-Solution fit canvas 2.0			Purpose / Vision		
Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS The report of or on a news event occurring within 24 hours prior to the broadcast or other distribution thereof by means of video, film, photography or other sound and image reproduction technology that has been produced and edited into a news story.	4. CUSTOMER CONSTRAINTS CC The main constraints are memory, battery life, ability to adapt to different screen sizes and orientations, security, and network bandwidth.	Explore AS, differentiate	5. AVAILABLE SOLUTIONS AS Harnessing wide API to incorporate regular updating of news. The user interacts with the application. Integration the application with news APIs and store the data in the database.	
	2. JOBS-TO-BE-DONE / PROBLEMS J&P By collecting relevant information from the user through app. Cloud is used to store and transmit the data by using DB2.Weather APIs are employed to assist the user in making decision. The user could take decision through a mobile application.	9. PROBLEM ROOT CAUSE RC As our lives are busy now adays, we often feel we need more than 24 hours. A day to cope up with every this to be updated our self via news in our schedule. Well, that's not possible but reducing the time by using the conventional method of reading news can help at any time in any place to be updated.		7. BEHAVIOUR BE User Registration & login via email & social profiles. Browse News Categories. Search Bar is given. Frequently searched message sent through email and SMS. Underline & save text. Save news and quotes for reading later. Machine learning based news on user preferences. Social integration for sharing news. Push notifications and news alerts via emails and SMS. Fake news will be detected.	
Identify strong TR & EM	3. TRIGGERS TR User facing issues in providing proper information about the news. No proper internet connection that leads to reduce the speed of live news which affects the user time.	10. YOUR SOLUTION SL Our app collects the relevant information and sends news to the main server. It also collects the weather data from the weather API. Feasible UI to deploy the application in simple solution	Extract online & offline CH of BE	8. CHANNELS of BEHAVIOUR CH ONLINE :Apps provide user to perform a task better with the help of the gesture. It is very easy to navigate through, unlike the website. A well-designed application that can perform fast.	
	4. EMOTIONS: BEFORE / AFTER FM BEFORE: Lack of knowledge in cloud computing ☹️ Random decisions AFTER: Data from reliable sources ☺️ Correct decision			OFFLINE :User can access records, collect data and store images or access manuals without cell service or a Wi-Fi connection.	

5. REQUIREMENT ANALYSIS

4.1 Functional requirement

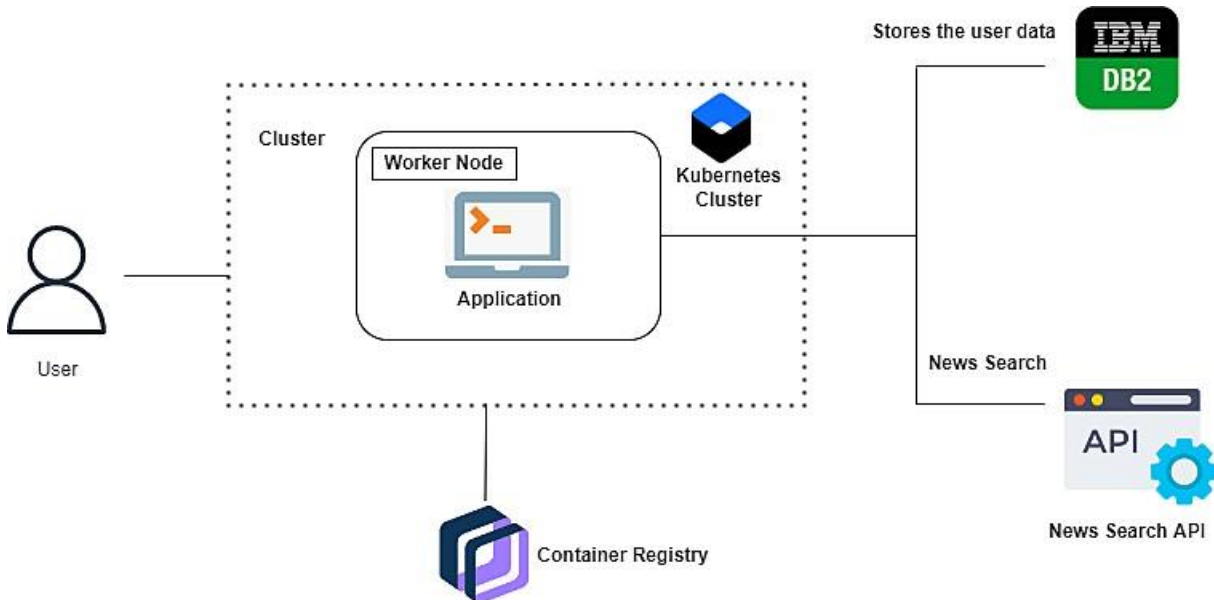
FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Gmail. Registration through Phone number.
FR-2	User Confirmation	Confirmation via Email. Confirmation via OTP.
FR-3	Home Page	Search Bar, profile, Menu Bar, Quick Snap.
FR-4	Profile	Name, Venue, Pin Code, Favourites.
FR-5	Menu Bar	Profile Edit, Settings, Help, About us.
FR-6	Settings	Notification, Location, Log out.

4.2 Non-Functional requirements

FR No	Non-Functional Requirement	Description
NFR-1	Usability	Usability contributes to the effectiveness, efficiency and satisfaction in which specified users achieve specified goals.
NFR-2	Security	Security focuses on the software security in mobile app on various platforms such as Android, iOS. They designed and developed to run on frameworks and anticipated set of users.
NFR-3	Reliability	Reliability is the probability of a piece of software operating without any failure while in a specified environment over a period of time.
NFR-4	Performance	Performance of the application is notable through load time, crash report, device information, screening resolution & OS. These metrics are also used for improving the testing process.
NFR-5	Availability	Availability is a measure used to evaluate whether an application is functioning properly & usable to meet the requirements of an individual.
NFR-6	Scalability	Since the entire business runs in cloud, scalability won't be an issue vertically & horizontally there by reducing the overall operational expenditure.

6. PROJECT DESIGN

5.1 Data Flow Diagrams



5.2. Solution & Technical Architecture

- The user interacts with the application.
- Registers by giving the details.
- Integrate the application with news APIs and store the data in the database.
- The database will have all the details and the user can search the news by using a search bar.

5.3. User Stories

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.

7. PROJECT PLANNING & SCHEDULING

7.1. Sprint Planning & Estimation

Sprint	Functional Requirement(Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	20	High	S.Sarulatha S.Rakshana P.S. Shruthi S.Nithin Raj
		USN-2	As a user, I can register the application using phone number.		High	S.Sarulatha S.Rakshana P.S. Shruthi S.Nithin Raj
Sprint-2	Login	USN-3	As a user, I can login into the application through email and password	20	Medium	S.Sarulatha S.Rakshana P.S. Shruthi S.Nithin Raj
		USN-4	As a user, I can login into the application through phone number and receiving confirmation message.		Low	S.Sarulatha S.Rakshana P.S. Shruthi S.Nithin Raj
		USN-5	As a user, I can login into the application by entering email via confirm password& phone number via confirm message.		High	S.Sarulatha S.Rakshana P.S. Shruthi S.Nithin Raj

	Dashboard	USN-6	As a user, I can search NEWS and quick snap is displayed in dashboard.		Medium	S.Sarulatha S.Rakshana P.S. Shruthi S.Nithin Raj
Sprint-3	Alert message via notification	USN-7	As a user, I can receive Frequently searched message via email or SMS through pop notification.	20	Medium	S.Sarulatha S.Rakshana P.S. Shruthi S.Nithin Raj
	Favorites	USN-8	As a user, I can save the message for later use in favorites.		Medium	S.Sarulatha S.Rakshana P.S. Shruthi S.Nithin Raj
Sprint-4	Login information	USN-1	As a user, I can visit help us to know about the login information	20	Low	S.Sarulatha S.Rakshana P.S. Shruthi S.Nithin Raj
	Updates	USN-1	As a user, I can get updated NEWS every day and save time by receiving quick snap.		High	S.Sarulatha S.Rakshana P.S. Shruthi S.Nithin Raj

7.2. Sprint Delivery Schedule

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

Reports from JIRA

Sprint-1

The screenshot shows the Jira interface for the 'News Tracker Application' project. The 'Backlog' view is active, displaying a list of issues for 'NTA Sprint 1' (19 Nov – 22 Nov, 3 issues). The issues are:

- NTA-8: As a user, I can register the application using phone number. (REGISTRATION, 2 points, DONE, NR)
- NTA-7: As a user, I can register for the application by entering my email, password, and confirming my passw... (REGISTRATION, 2 points, DONE, SR)
- NTA-10: As a user, I can register the application using phone number. (REGISTRATION, 2 points, DONE, S)

The interface includes a search bar, a filter menu (G, SR, NR, S, Epic), and a 'Create issue' button. A banner at the top asks: 'Does your team need more from Jira? Get a free trial of our Standard plan.'

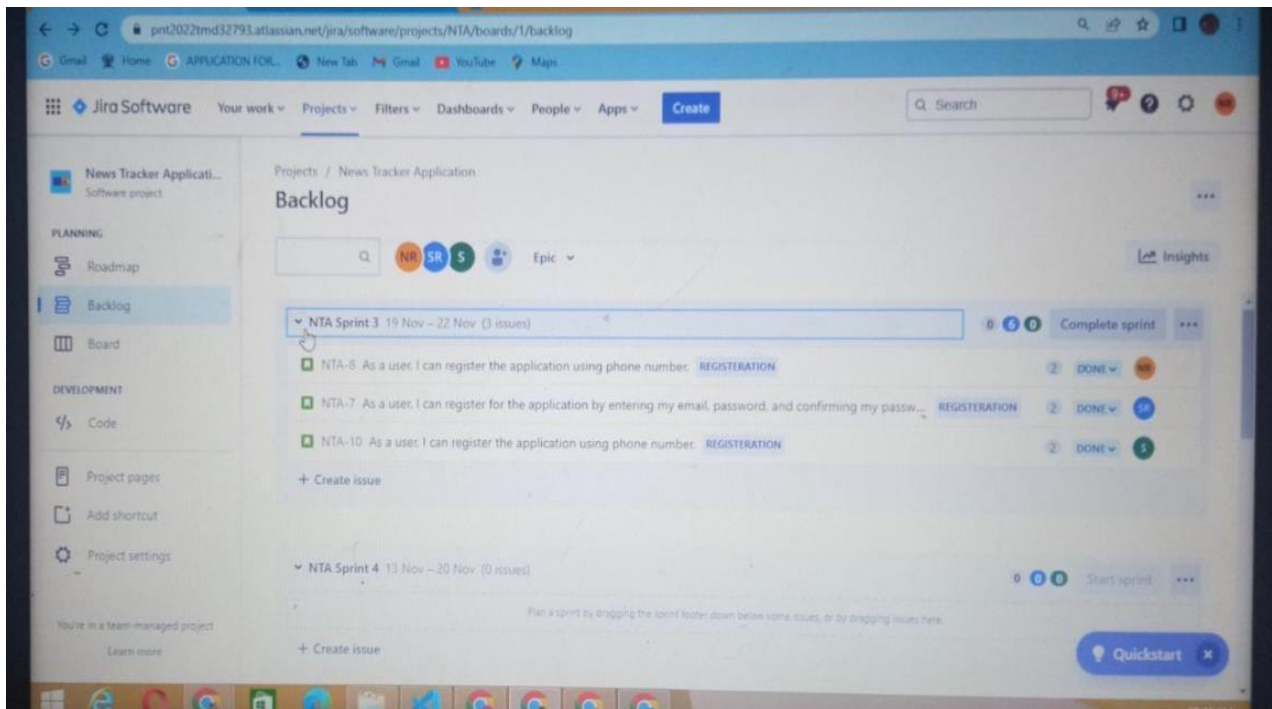
Sprint-2

The screenshot shows the Jira interface for the 'News Tracker Application' project. The 'Backlog' view is active, displaying a list of issues for 'NTA Sprint 2' (Add dates, 4 issues). The issues are:

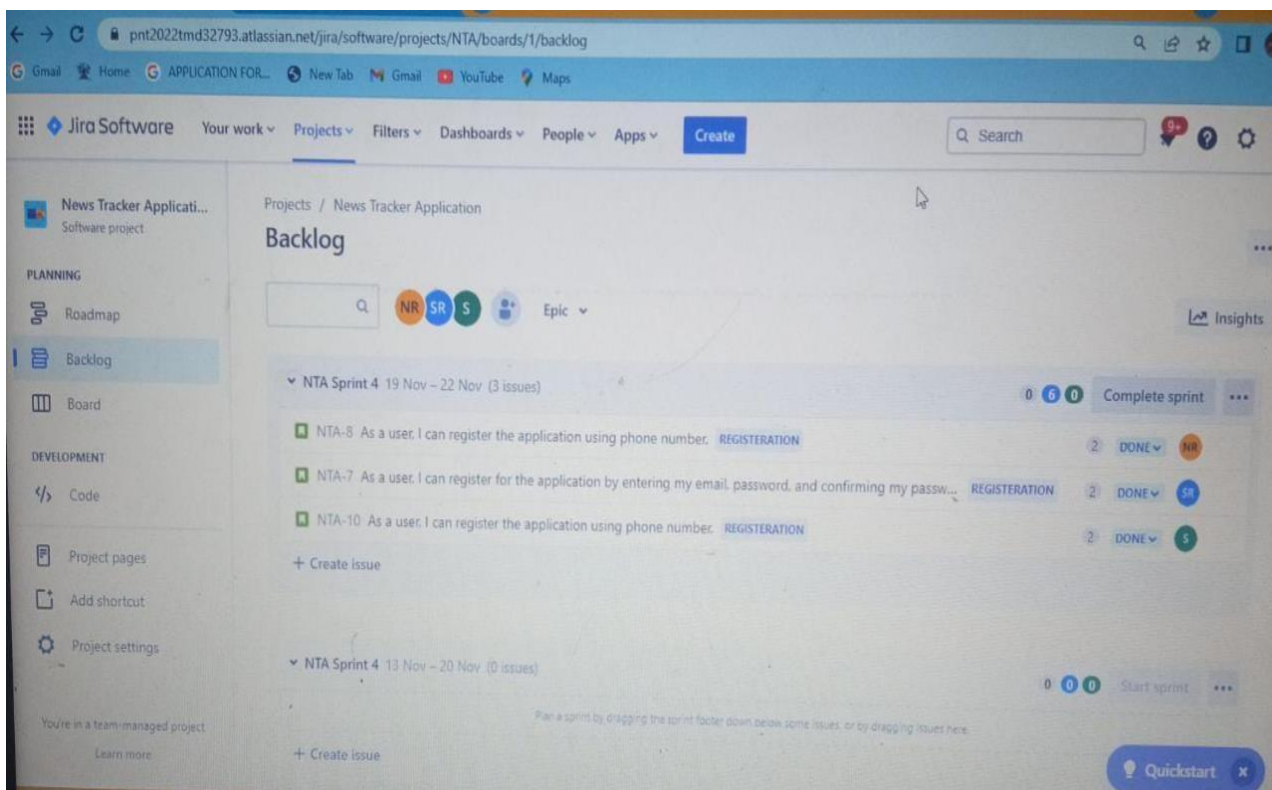
- NTA-12: As a user, I can login into the application through email and password. (LOGIN, DONE, G)
- NTA-13: As a user, I can login into the application through phone number and receiving confirmation message. (LOGIN, DONE, SR)
- NTA-14: As a user, I can login into the application by entering email via confirm password& phone number via confir... (LOGIN, DONE, S)
- NTA-15: As a user, I can search NEWS and quick snap is displayed in dashboard. (DASHBOARD, DONE, NR)

The interface includes a search bar, a filter menu (G, SR, NR, S, Epic), and a 'Create issue' button. A banner at the top asks: 'Does your team need more from Jira? Get a free trial of our Standard plan.'

Sprint-3

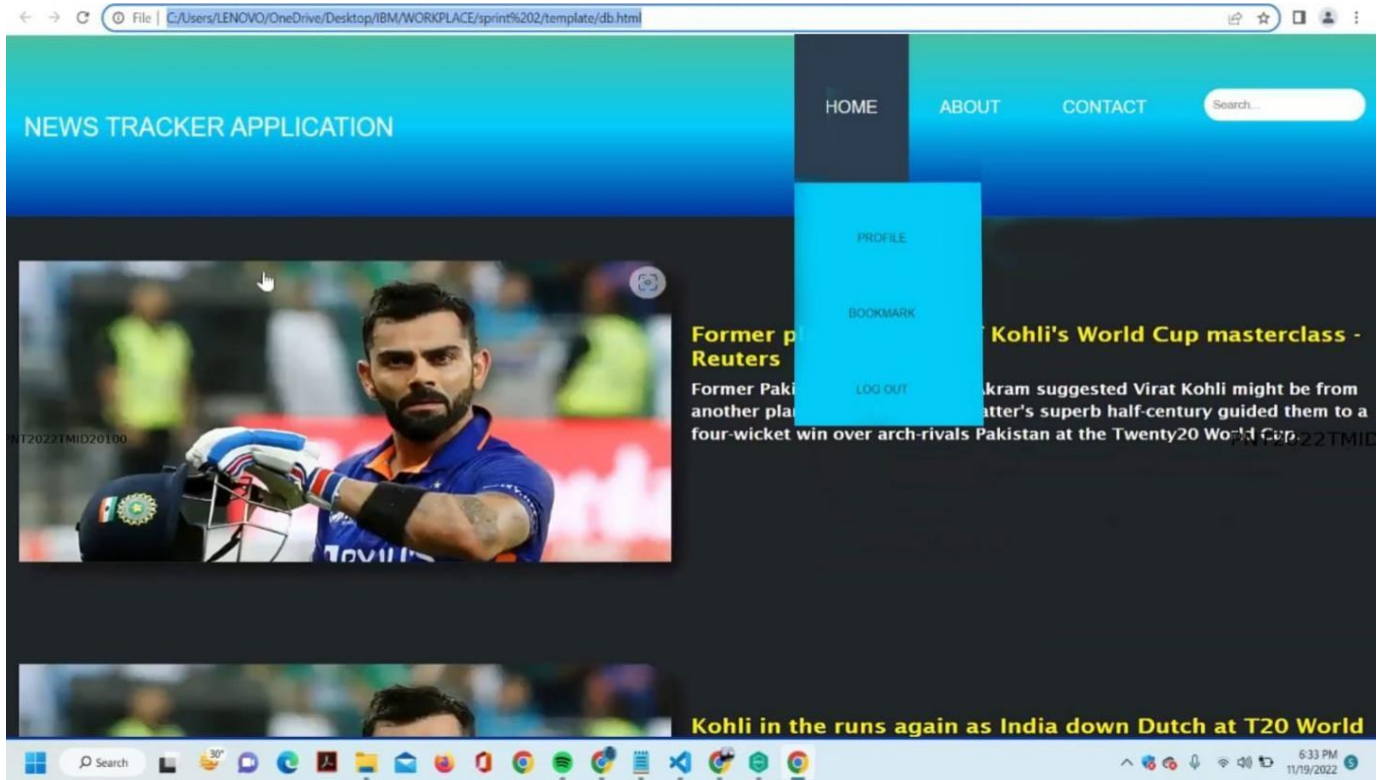


Sprint-4

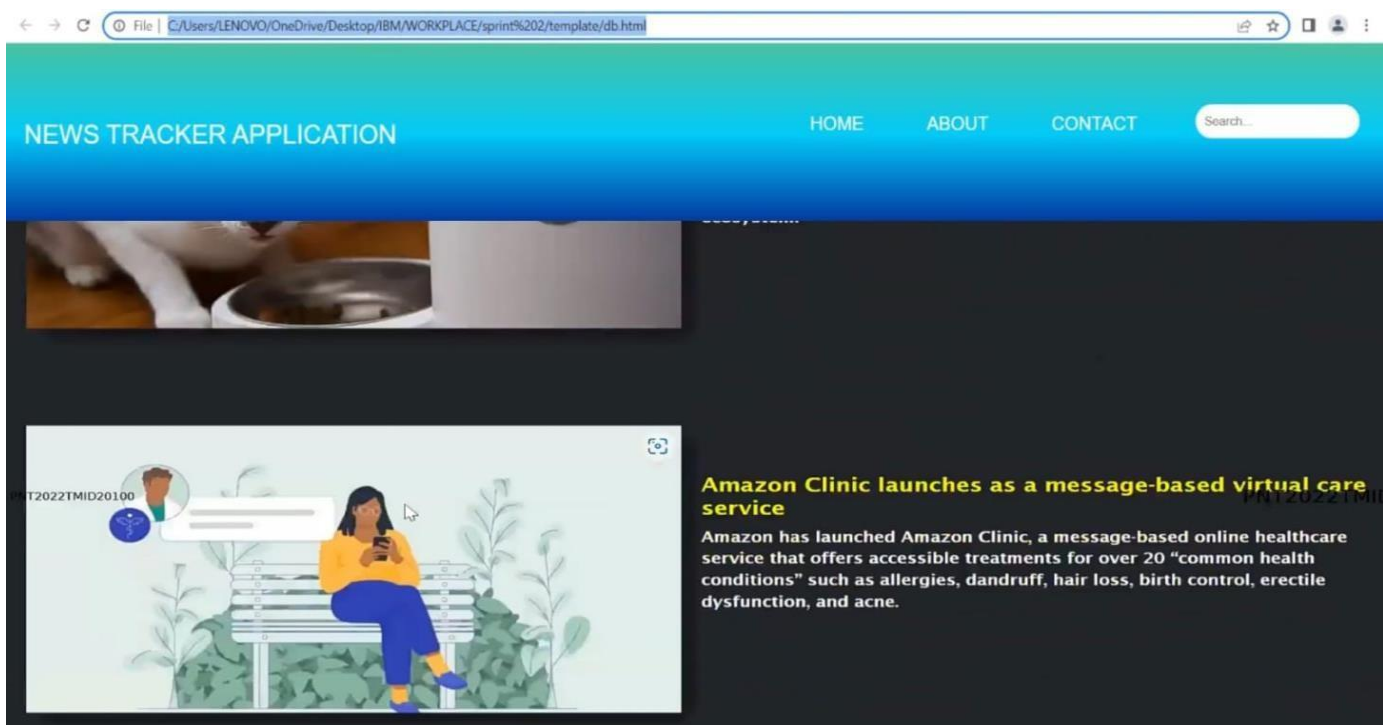


8.CODING & SOLUTIONING

7.1Feature 1



7.2 Features 2



8. TESTING

Test case ID	Feature Type	Component	Test Scenario	Pre-Requrite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	TC for Automation(Y/N)	BUG ID
.loginPage_TC_001	Functional	Home Page	Verify user is able to see the Login/Signup popup when user clicked on My account button		1.Enter URL and click go 2.Click on My Account dropdown button 3.Verify login/Signup popup displayed or not	https://shopanexr.com/	Login/Signup popup should display	Working as expected	Pass			
.loginPage_TC_002	UI	Home Page	Verify the UI elements in Login/Signup popup		1.Enter URL and click go 2.Click on My Account dropdown button 3.Verify login/Signup popup with below UI elements: a.email text box b.password text box c.Login button d.New customer? Create account link e.Last password? Recovery password link	https://shopanexr.com/	Application should show below UI elements: a.email text box b.password text box c.Login button with orange colour d.New customer? Create account link e.Last password? Recovery password link	Working as expected	Fail	Steps are not clear to follow		BUG-1234
.loginPage_TC_003	Functional	Home page	Verify user is able to log into application with Valid credentials		1.Enter URL(https://shopanexr.com/) and click go 2.Click on My Account dropdown button 3.Enter Valid username/email in Email text box 4.Enter valid password in password text box 5.Click on login button	Username: chaham@gmail.com password: Testing123	User should navigate to user account homepage					
.loginPage_TC_004	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopanexr.com/) and click go 2.Click on My Account dropdown button 3.Enter Invalid username/email in Email text box 4.Enter valid password in password text box 5.Click on login button	Username: chaham@gmail.com password: Testing123	Application should show 'Incorrect email or password' validation message.					
.loginPage_TC_004	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopanexr.com/) and click go 2.Click on My Account dropdown button 3.Enter Valid username/email in Email text box 4.Enter Invalid password in password text box 5.Click on login button	Username: chaham@gmail.com password: Testing12367866186676 676	Application should show 'Incorrect email or password' validation message.					
.loginPage_TC_005	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopanexr.com/) and click go 2.Click on My Account dropdown button 3.Enter Invalid username/email in Email text box 4.Enter Invalid password in password text box	Username: chaham password: Testing12367866186676 676	Application should show 'Incorrect email or password' validation message.					

8.1.User Acceptance Testing

Test case ID	Feature Type	Component	Test Scenario	Pre-Requrite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	TC for Automation(Y/N)	BUG ID
.loginPage_TC_001	Functional	Home Page	Verify user is able to see the Login/Signup popup when user clicked on My account button		1.Enter URL and click go 2.Click on My Account dropdown button 3.Verify login/Signup popup displayed or not	https://shopanexr.com/	Login/Signup popup should display	Working as expected	Pass			
.loginPage_TC_002	UI	Home Page	Verify the UI elements in Login/Signup popup		1.Enter URL and click go 2.Click on My Account dropdown button 3.Verify login/Signup popup with below UI elements: a.email text box b.password text box c.Login button d.New customer? Create account link e.Last password? Recovery password link	https://shopanexr.com/	Application should show below UI elements: a.email text box b.password text box c.Login button with orange colour d.New customer? Create account link e.Last password? Recovery password link	Working as expected	Fail	Steps are not clear to follow		BUG-1234
.loginPage_TC_003	Functional	Home page	Verify user is able to log into application with Valid credentials		1.Enter URL(https://shopanexr.com/) and click go 2.Click on My Account dropdown button 3.Enter Valid username/email in Email text box 4.Enter valid password in password text box 5.Click on login button	Username: chaham@gmail.com password: Testing123	User should navigate to user account homepage					
.loginPage_TC_004	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopanexr.com/) and click go 2.Click on My Account dropdown button 3.Enter Invalid username/email in Email text box 4.Enter valid password in password text box 5.Click on login button	Username: chaham@gmail.com password: Testing123	Application should show 'Incorrect email or password' validation message.					
.loginPage_TC_004	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopanexr.com/) and click go 2.Click on My Account dropdown button 3.Enter Valid username/email in Email text box 4.Enter Invalid password in password text box 5.Click on login button	Username: chaham@gmail.com password: Testing12367866186676 676	Application should show 'Incorrect email or password' validation message.					
.loginPage_TC_005	Functional	Login page	Verify user is able to log into application with Invalid credentials		1.Enter URL(https://shopanexr.com/) and click go 2.Click on My Account dropdown button 3.Enter Invalid username/email in Email text box 4.Enter Invalid password in password text box	Username: chaham password: Testing12367866186676 676	Application should show 'Incorrect email or password' validation message.					

1. Purpose of Document

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

2. Defect Analysis

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

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	10	4	2	3	20
Duplicate	1	0	3	0	4
External	2	3	0	1	6
Fixed	11	2	4	20	37
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	1	2
Won't Fix	0	5	2	1	8
Totals	24	14	13	26	77

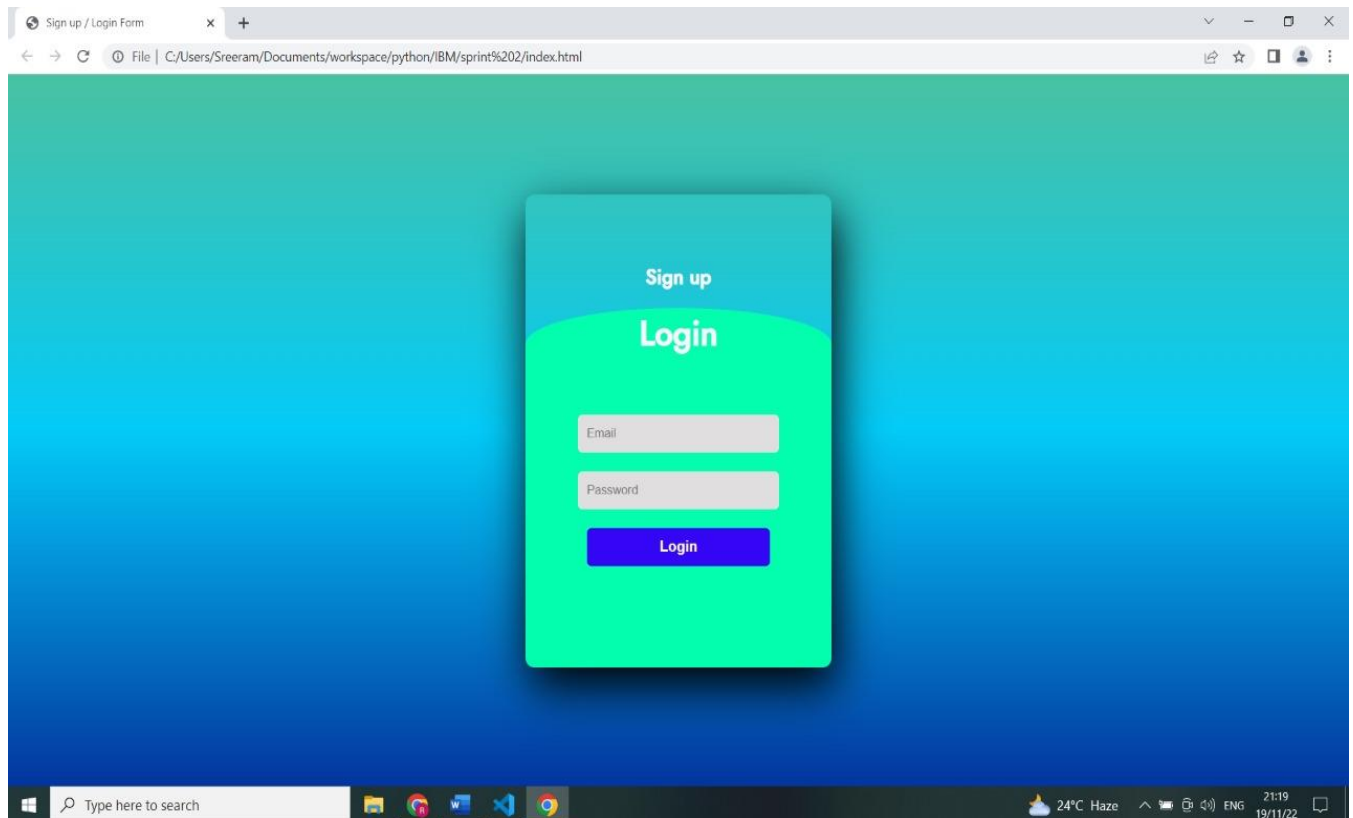
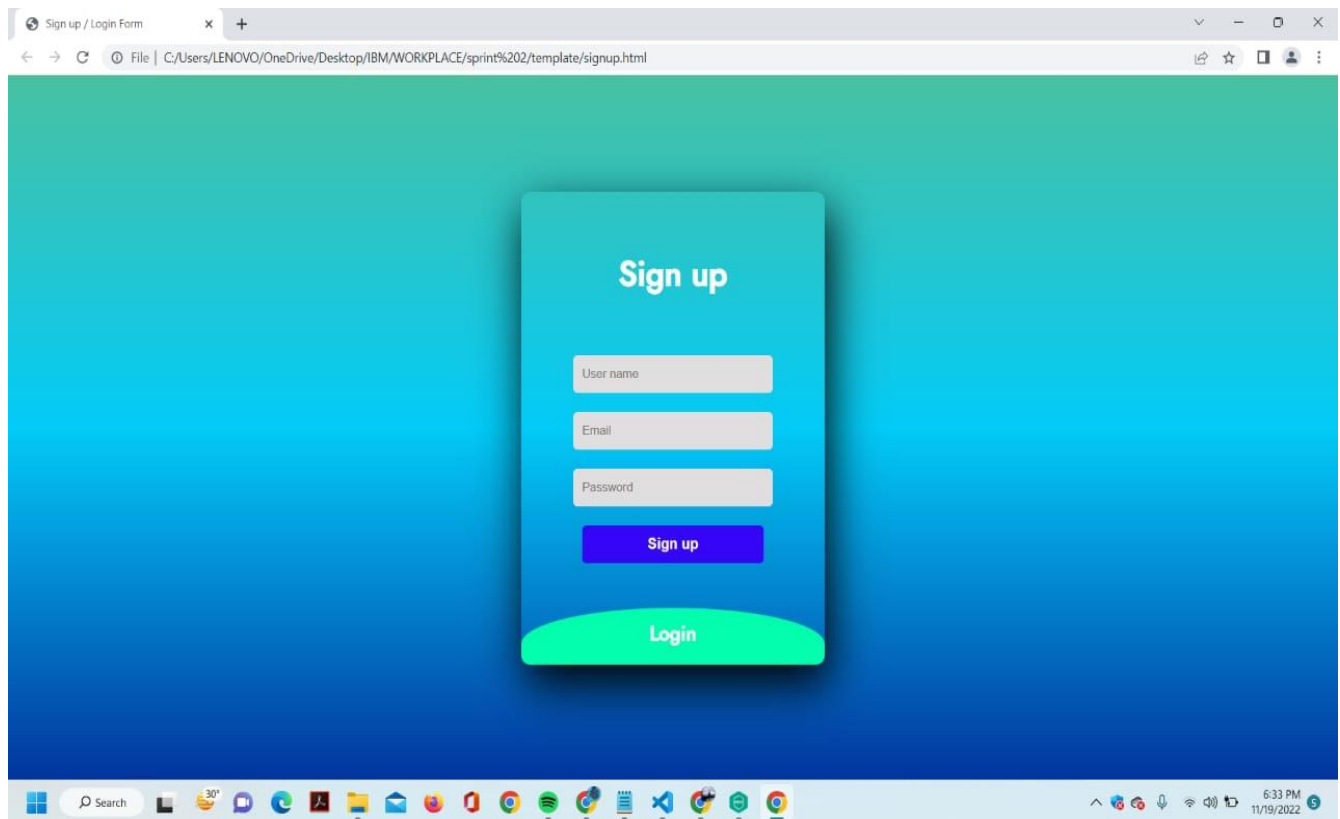
3. Test Case Analysis

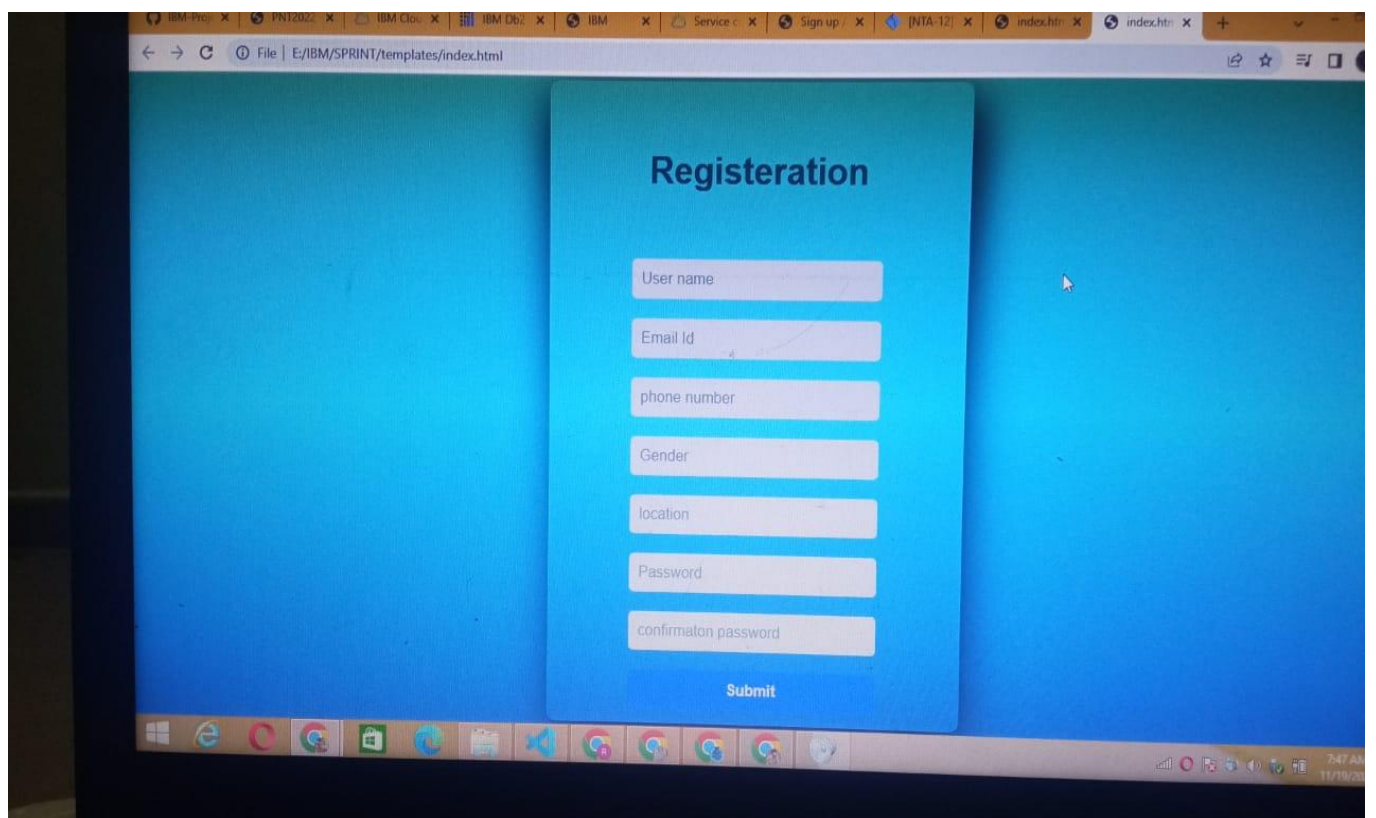
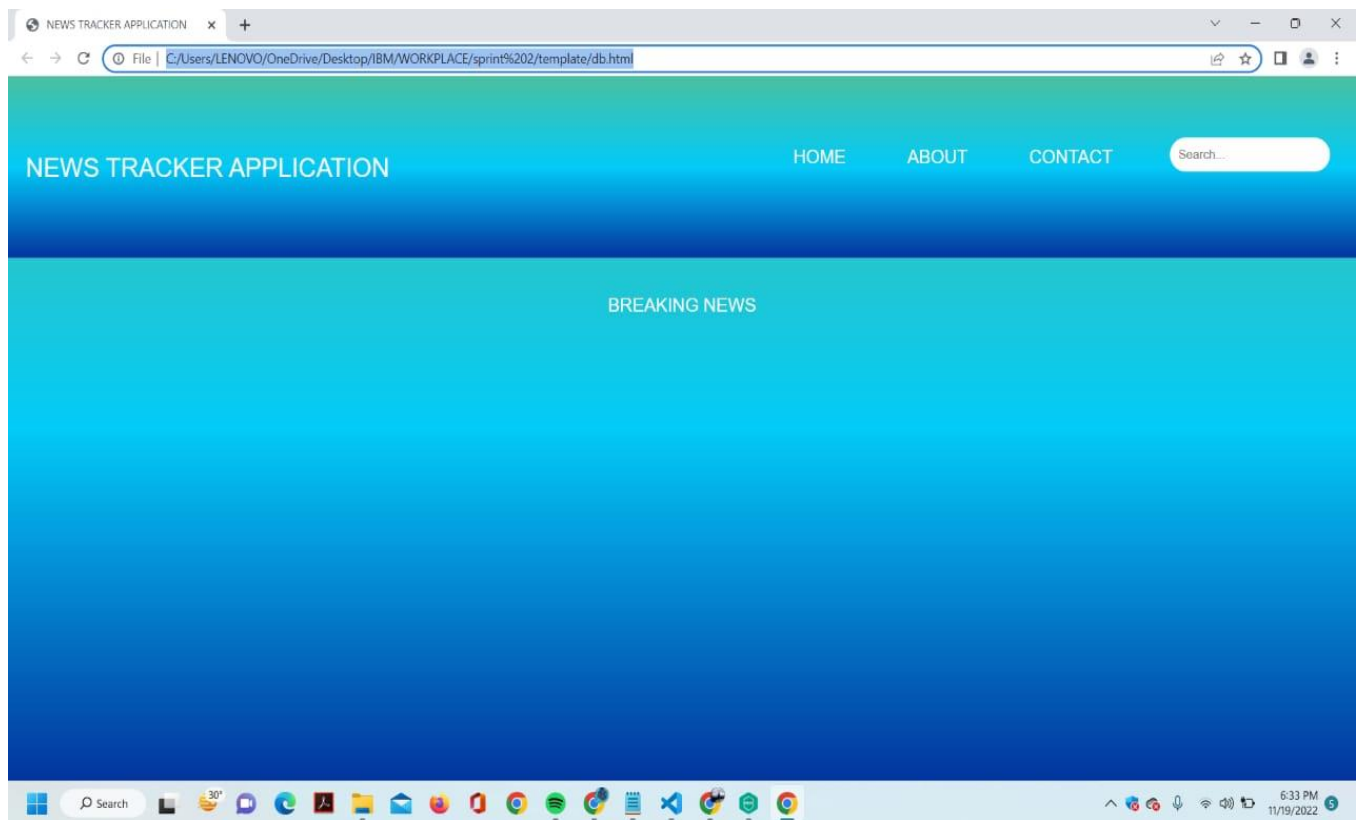
This report shows the number of test cases that have passed, failed, and untested

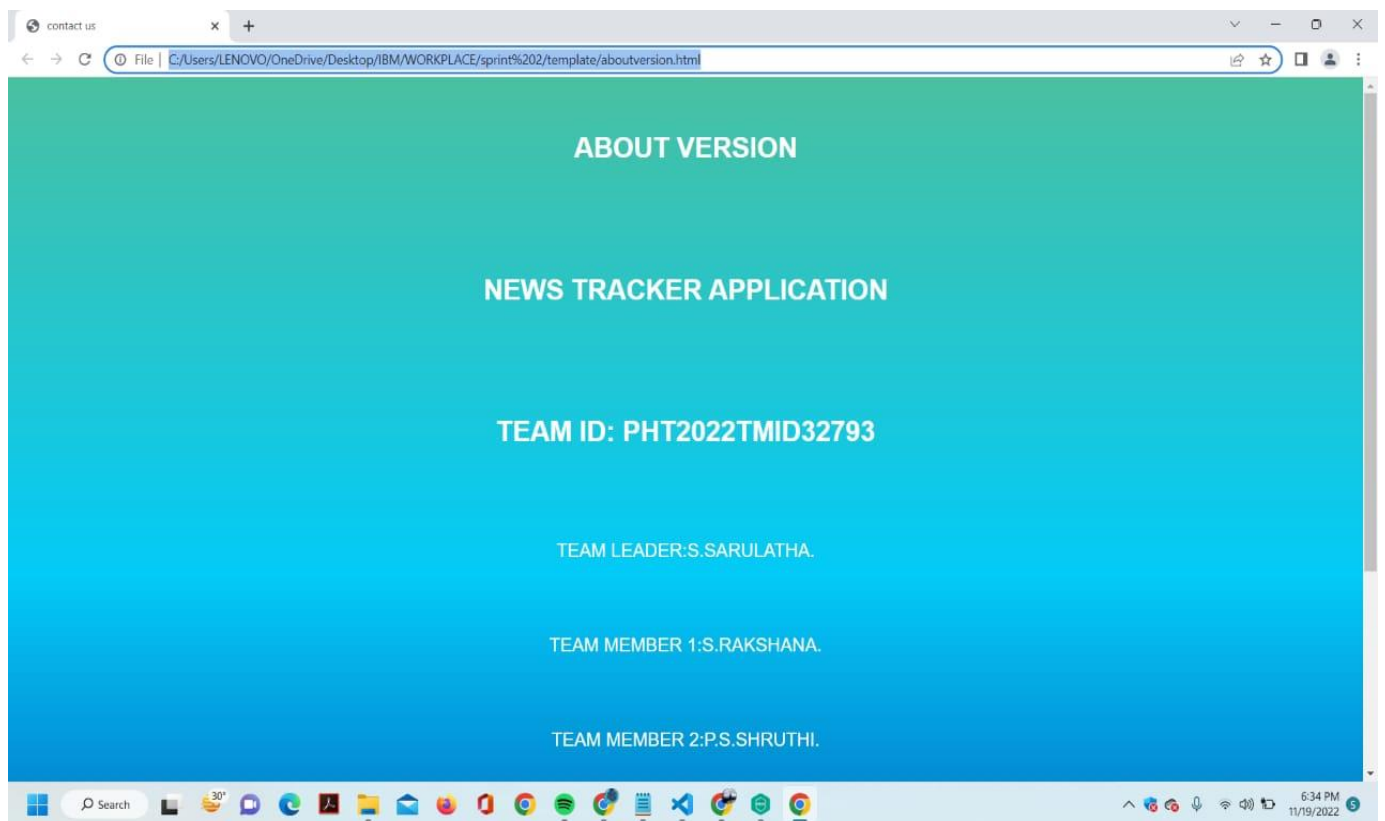
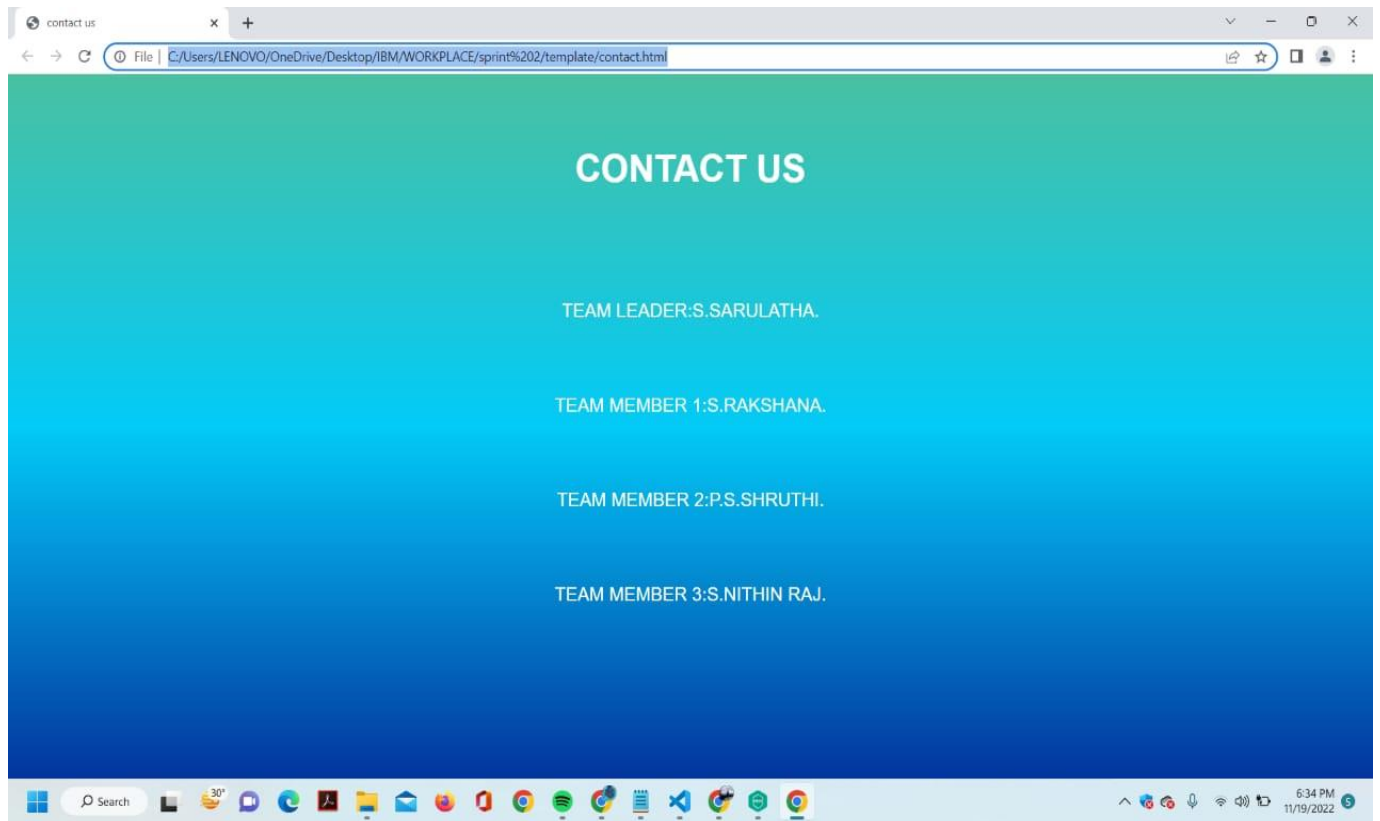
Section	Total Cases	Not Tested	Fail	Pass
Print Engine	7	0	0	7
Client Application	51	0	0	51
Security	2	0	0	2
Outsource Shipping	3	0	0	3
Exception Reporting	9	0	0	9
Final Report Output	4	0	0	4
Version Control	2	0	0	2

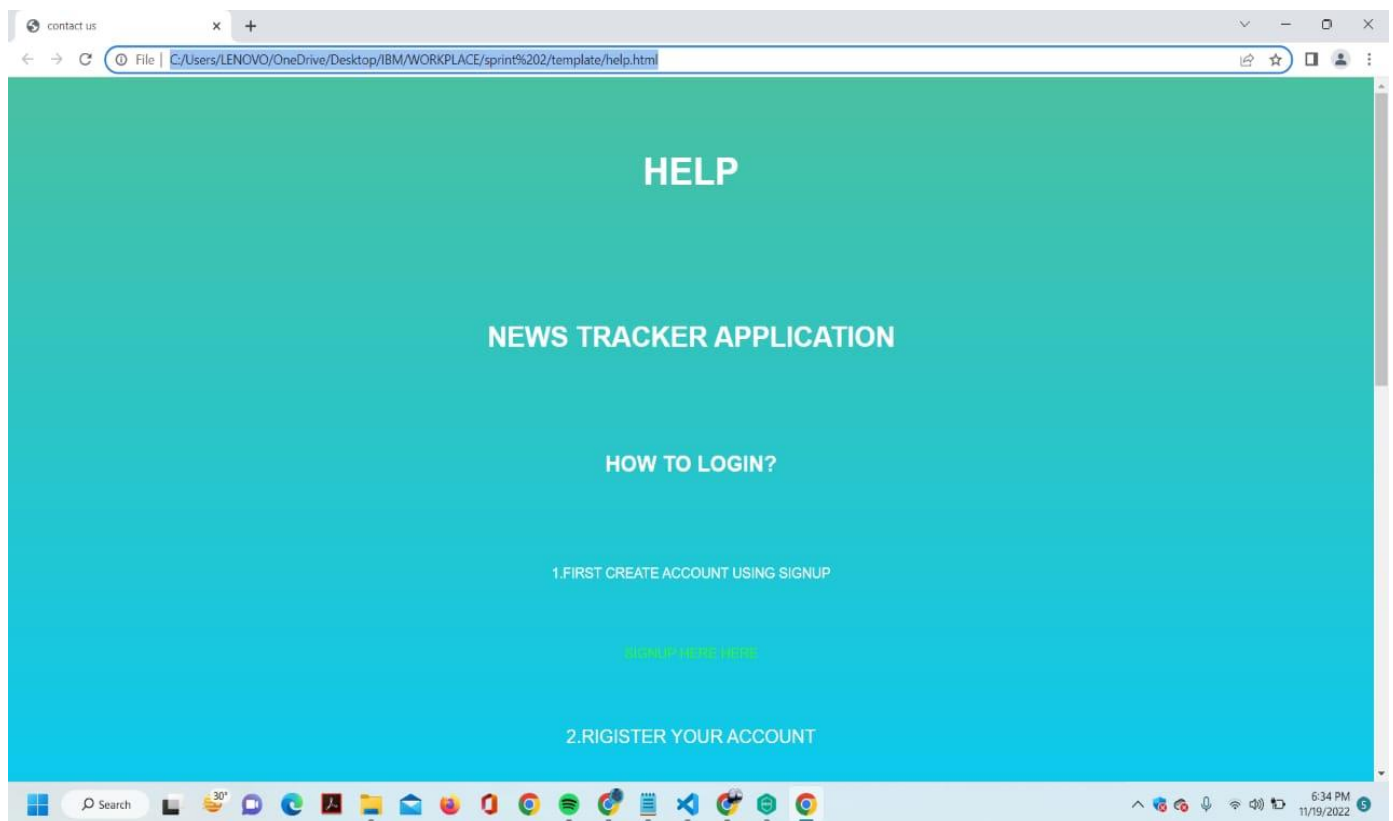
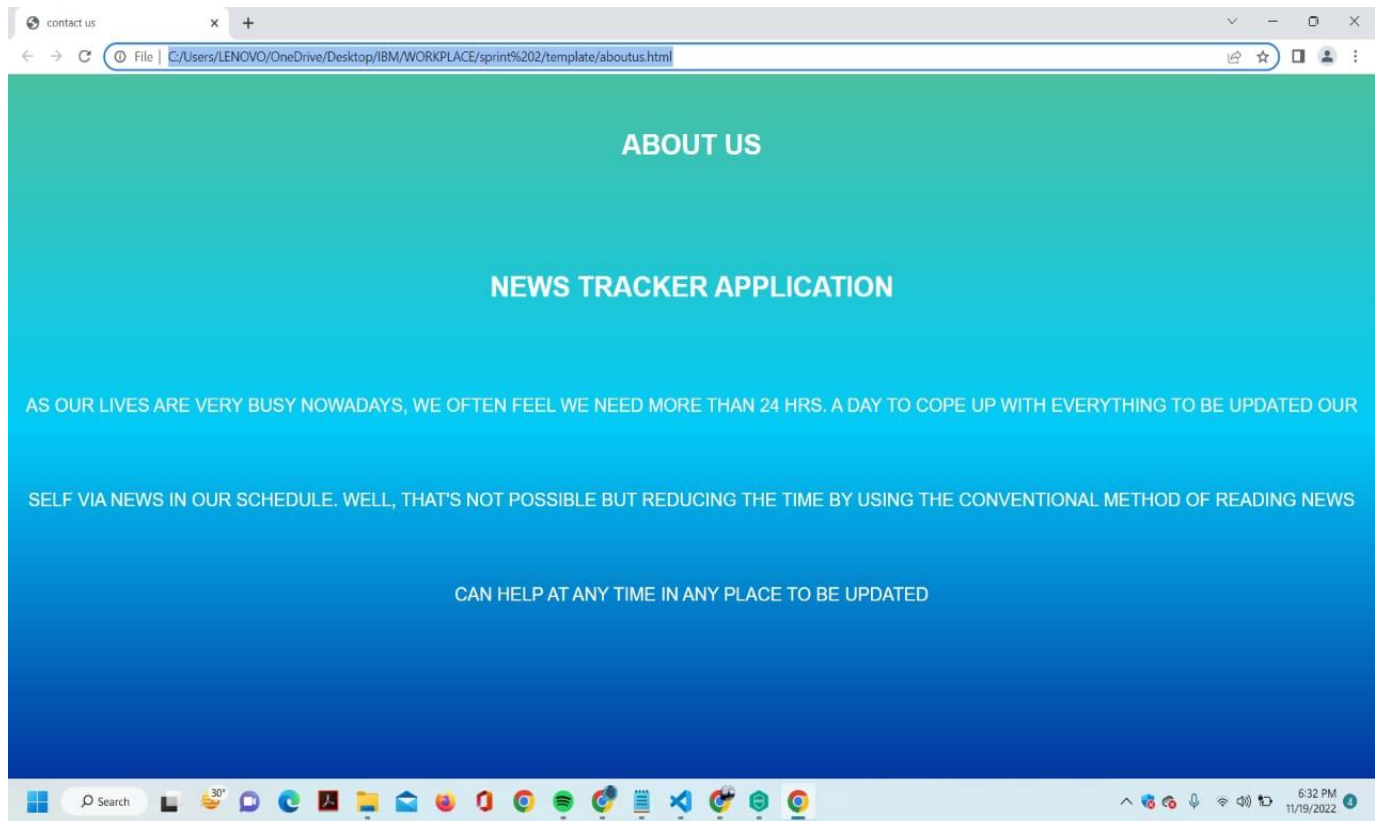
9. RESULTS

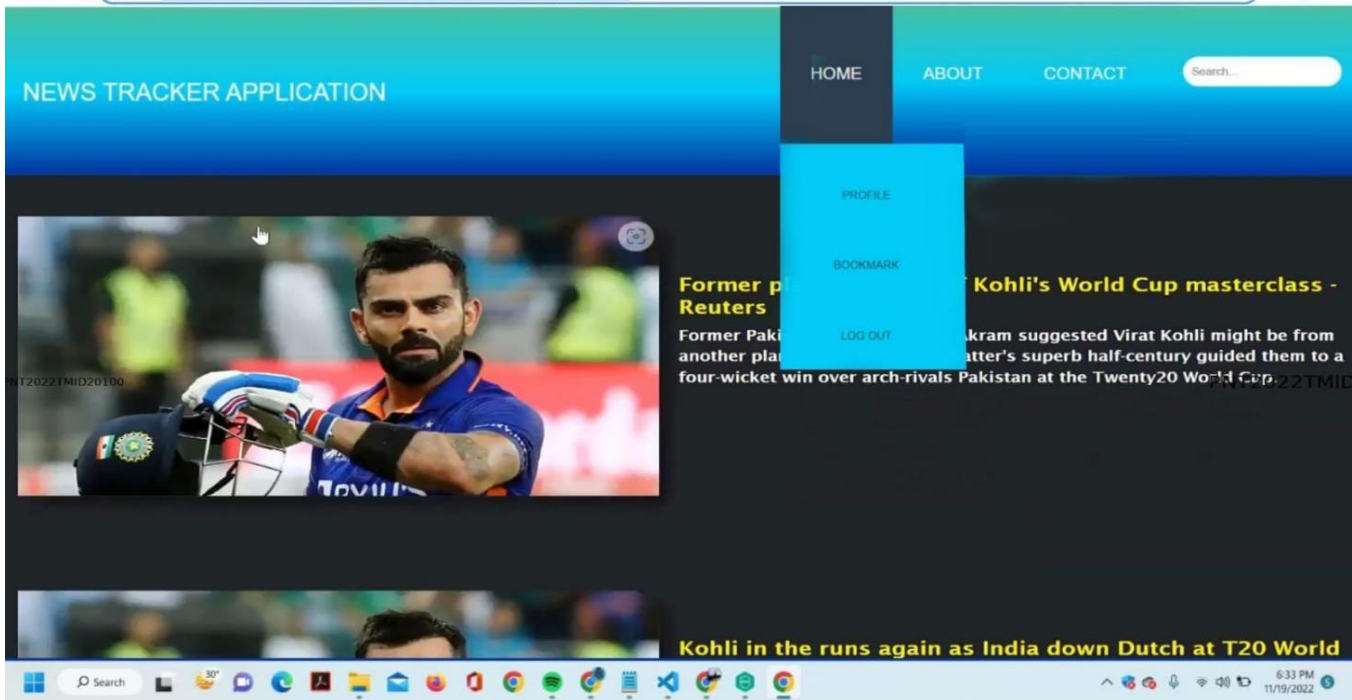
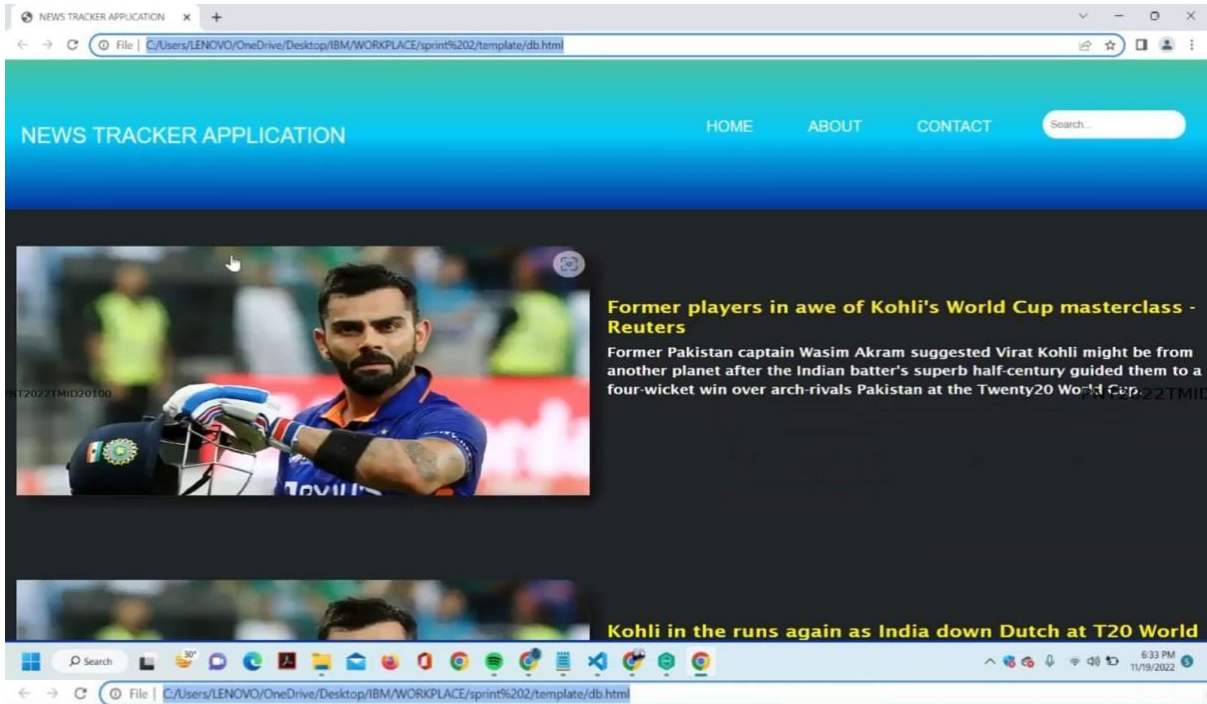
9.1 Performance Metrics

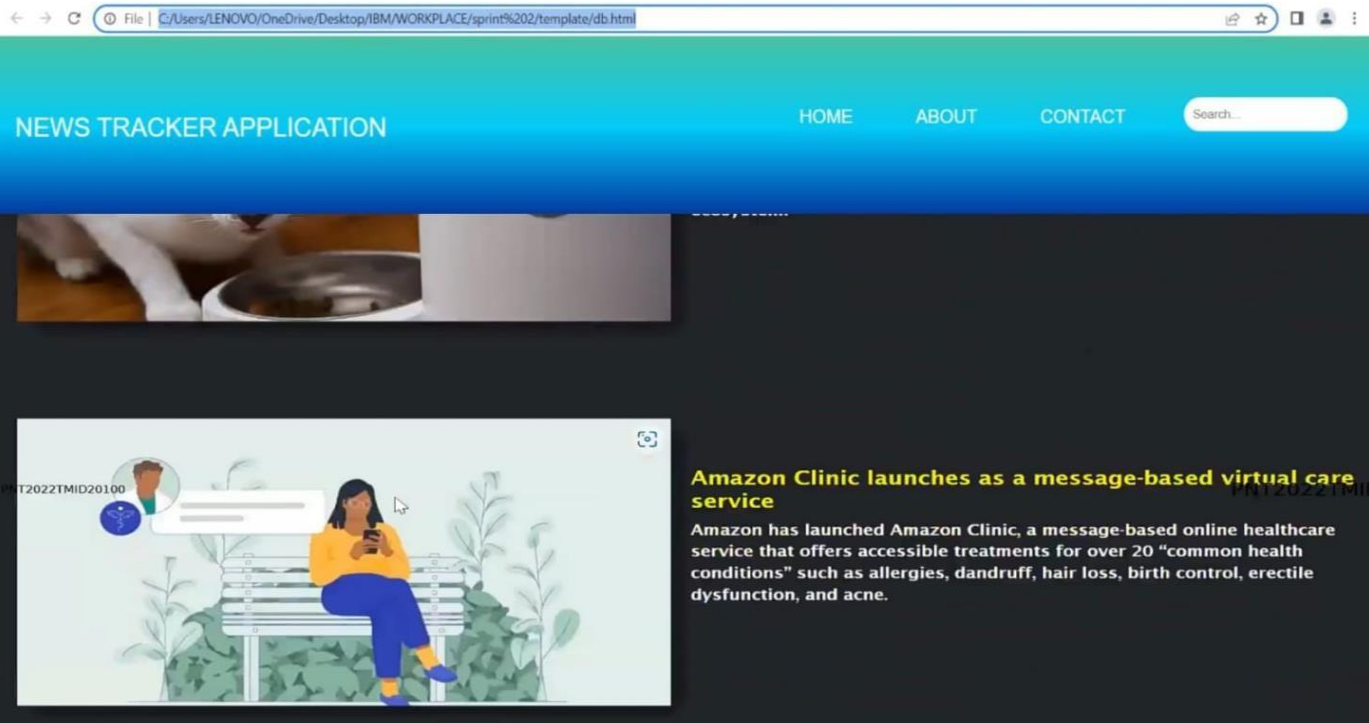












10.ADVANTAGES

1. All trending news will be displayed in a orderly manner.
2. We can customize the topic which we are interested and make them display
3. The user experience are quit simple and friendly

DISADVANTAGES

1. Same news which is published in different websites can be displayed.
2. Delay response of news api can make the news collapse.

11. CONCLUSION

Thus the projected using IBM CLOUD is tested,verified and executed successfully.

12. Future scope

In future, we planned to implement this project in large scale which will be helpful and used by all the people.

13.Appendix

Source Code:

1.(login&signup)

```
<!DOCTYPE html>
<html lang="en" >
<head>
<meta charset="UTF-8">
<title>Sign up / Login Form</title>
<link rel="stylesheet" href="style.css">

</head>
<body>
<!DOCTYPE html>
<html>
<head>
    <title>Slide Navbar</title>
    <link rel="stylesheet" href="{ {url_for('static', filename='css/style.css')} }">
    <link href="https://fonts.googleapis.com/css2?family=Jost:wght@500&display=swap"
rel="stylesheet">
</head>
<body>
    <div class="main">
        <input type="checkbox" id="chk" aria-hidden="true">

<div class="signup">
```

```
required="">
<form action = "/register" method="post">
  <label for="chk" aria-hidden="true">Sign up</label>
  <input type="text" name="un" placeholder="User name"

  <input type="email" name="ue" placeholder="Email"

  <input type="password" name="up" placeholder="Password"

  <button type="submit">Sign up</button>
</form>
</div>
```

```
<div class="login">
  <form action = "/login" method="post">
    <label for="chk" aria-hidden="true">Login</label>
    <input type="email" name="email" placeholder="Email"

    <input type="password" name="pswd"

    placeholder="Password" required="">
    <button type="submit">Login</button>
  </form>
</div>
</body>
</html>
</body>
</html>
```

2.(style)

```
body{
  margin: 0;
  padding: 0;
  display: flex;
  justify-content: center;
  align-items: center;
  min-height: 100vh;
  font-family: 'Jost', sans-serif;
  background: linear-gradient(to bottom,#49c1a2, #03cbf8, #03349e);
}
.main{
  width: 350px;
  height: 500px;
  background: red;
  overflow: hidden;
  background: url("https://doc-08-2c
docs.googleusercontent.com/docs/securesc/68c90smiglihng9534mvqmq1946dmis5/fo0picsp1nhiucmc0l25s
29re
spgpr4j/1631524275000/03522360960922298374/03522360960922298374/1Sx0jhdpEpnNIydS4rnN4kHS
JtU1
      EyWka?e=view&authuser=0&nonce=gcrocepgbb17m&user=03522360960922298374&hash=tf
hgbs86ka6divo3 llbvp93mg4csvb38") no-repeat center/ cover;
      border-radius: 10px;
  box-shadow: 5px 20px 50px #000;
```

```
}
#chk{
    display: none;
}

.signup{
    position: relative;
    width:100%;
    height: 100%;
}
label{
    color: #fff;
    font-size: 2.3em;
    justify-content: center;
    display: flex;
    margin: 60px;
    font-weight: bold;
    cursor: pointer;
}
input{
    width: 60%;
    height: 20px;
    background: #e0dede;
    justify-content: center;
    display: flex;
    margin: 20px auto;
    padding: 10px;
    border: none;
}
button{
    width: 60%;
    height: 40px;
    margin: 10px auto;
    justify-content: center;
    display: block;
    color: #fff;
    background: #3505f6;
    font-size: 1em;
    font-weight: bold;
    margin-top: 20px;
    outline: none;
    border: none;
    border-radius: 5px;
```

```

        transition: .2s ease-in;
        cursor: pointer;
    }
    button:hover{
        background: #6d44b8;
    }
    .login{
        height: 460px;
        background:#03feae;
        border-radius: 60% / 10%;
        transform: translateY(-180px);
        transition: .8s ease-in-out;
    }

    .login label{
        color: #f9f6fd;
        transform: scale(.6);
    }

    #chk:checked ~ .login{
        transform: translateY(-500px);
    }
    #chk:checked ~ .login label{
        transform: scale(1);
    }
    #chk:checked ~ .signup label{
        transform: scale(.6);
    }

```

3.(Dashboard)

```

<!DOCTYPE html>
<html lang="en" >
<title>NEWS TRACKER APPLICATION</title>
<head>
<style>
body{
display:flexbox;
    justify-content: center;
    align-items: center;
    min-height: 100vh;
    font-family: 'Jost', sans-serif;
    background: linear-gradient(to bottom,#49c1a2, #03cbf8, #03349e);
text-align:center;
    color: rgb(4, 20, 251);
background-color:antiquewhite ;

```

```

*, *:before, *:after { -moz-box-sizing: border-box; -webkit-box-sizing: border-box; box-sizing: border-box; margin: 0; padding: 0 }
body { background-color: #49c1a2; line-height: 5; font-family: sans-serif; text-transform: uppercase; font-size: 20px; color: #fff; font-display: initial; }
a { text-decoration: none; color: rgb(250, 252, 253) }
  #header { background: linear-gradient(to bottom, #49c1a2, #03cbf8, #03349e); width: 100%; position: relative }
  #header:after { content: ""; clear: both; display: block }
.search { float: right; padding: 30px }
  input { border: none; padding: 10px; border-radius: 20px }
.logo { float: left; padding: 26px 0 26px }
.logo a { font-size: 28px; display: block; padding: 0 0 0 20px }
  nav { float: right; }
  nav > ul { float: left; position: relative }
  nav li { list-style: none; float: left }
nav .dropdown { position: relative }
  nav li a { float: left; padding: 35px }
  nav li a: hover { background: #2C3E50 }
  nav li ul { display: none }
  nav li: hover ul { display: inline }
  nav li li { float: none }
nav .dropdown ul { position: absolute; left: 0; top: 100%; background: #03cbf8; padding: 20px 0; border-bottom: 3px solid #34495e }
nav .dropdown li { white-space: nowrap; background: #03cbf8 }
nav .dropdown li a { padding: 10px 35px; font-size: 13px; min-width: 200px; background: #03cbf8 }
nav .mega-dropdown { width: 100%; position: absolute; top: 100%; left: 0; background: #03cbf8; overflow: hidden; padding: 20px 35px; border-bottom: 3px solid #34495e }
  nav li lia { float: none; color: #333; display: block; padding: 8px 10px; border-radius: 3px; font-size: 13px }
  nav li lia: hover { background: #bdc3c7; background: #095be1 }
.mega-col { width: 25%; float: left }
  #menu-icon { position: absolute; right: 0; top: 50%; margin-top: -12px; margin-right: 30px; display: none }
  #menu-icon span { border: 2px solid #fff; width: 30px; margin-bottom: 5px; display: block; -webkit-transition: all .2s; transition: all .1s }
  @media only screen and (max-width: 1170px) {
    nav > ul > li > a { padding: 35px 15px }
  }
  @media only screen and (min-width: 960px) {
    nav { display: block !important }
  }
  @media only screen and (max-width: 959px) {
    nav { display: none; width: 100%; clear: both; float: none; max-height: 400px; overflow-y: scroll }
    #menu-icon { display: inline; top: 45px; cursor: pointer }
    #menu-icon.active .first { transform: rotate(45deg); -webkit-transform: rotate(45deg); margin-top: 10px }
    #menu-icon.active .second { transform: rotate(135deg); -webkit-transform: rotate(135deg); position: relative; top: -9px; }
    #menu-icon.active .third { display: none }
  }
.search { float: none }
.search input { width: 100% }
  nav { padding: 10px }
  nav ul { float: none }
  nav li { float: none }
  nav ul li a { float: none; padding: 8px; display: block }

```

```
#header nav ul ul{display:block;position:static;background:none;border:none;padding:0}
#header nav a{color:#fff;padding:8px}
#header nav a:hover{ background:#fff;color:#333;border-radius:3px}
#header nav ul li lia:before{ content:"- "}
.mega-col{ width:100% }
}
```

</style>

</head>

<body>

<div id="header">

<div class="logo">

NEWS TRACKER APPLICATION

</div>

<nav>

<form class="search" action="search.php">

<input name="q" placeholder="Search..." type="search">

</form>

<li class="dropdown">

Home

Profile

Bookmark

Logout

<li class="dropdown">

About

About us

Help

<li class="dropdown">

Contact

About Version

Contact Us

</nav>

</div>

<div class="marquee">

<p>BREAKING NEWS </p>

</div>

</body>

4.(Registration)

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <!-- CSS only -->
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet"
    integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi"
    crossorigin="anonymous">
    <!-- JavaScript Bundle with Popper -->
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-
    OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
    crossorigin="anonymous"></script>
    <link href="style.css" rel="stylesheet">

  </head>
  <body>
    <!-- start of form -->
    <!DOCTYPE html>
    <html>
      <head>
        <body>
          <div class="main">
            <input type="checkbox" id="chk" aria-hidden="true">

            <div class="Registration">
              <form action="/result.html" method="post">
                <label for="chk" aria-hidden="true">Registration</label>
                <input type="text" name="un" placeholder="User name" required="">
                <input type="email" name="ue" placeholder="Email Id" required="">
                <input type="number" name="un" placeholder="phone number" required="">
                <input type="text" name="un" placeholder="Gender" requires="">
                <input type="text" name="un" placeholder="location" requires="">
                <input type="password" name="up" placeholder="Password" required="">
                <input type="password" name="up" placeholder="confirmaton password" required="">
                <button type="submit">Submit</button>

              </form>
            </div>
          </div>
        </body>
      </head>
    </html>
    <!-- end of form -->
  </body>
</html>
```


5.(Bookmark)

```
from flask import os
from flask import Flask, render_template, raw_input, bookmark
import requests
import subprocess
def bookmark_func():
    response = raw_input("Please enter the directory name:")
    print("The input directory is", response)
    os.chdir(response)
    cwd = os.getcwd()
    print("Current working directory is:", cwd)
    response2 = raw_input("Please enter a bookmark variable")
    subprocess.call([bookmark, response2])
bookmark_func()
resp = requests.post('https://textbelt.com/text', {
    'phone': '5555555555',
    'message': 'Hello world',
    'key': 'textbelt',
})
print(resp.json())
```

6.(Logout)

```
<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
</head>
<body>
    <div class="container">
        <p>Log-out
        <a href="#" class="btn btn-info btn-lg">
            <span class="glyphicon glyphicon-log-out"></span> Log out
        </a>
    </p>
    </div>
</body>
</html>
```

7.(About us)

```
<!DOCTYPE html>
<html lang="en">
<title>contact us</title>
<style>
body{
display:flexbox;
    justify-content: center;
```

```

        align-items: center;
        min-height: 100vh;
        font-family: 'Jost', sans-serif;
        background: linear-gradient(to bottom,#49c1a2, #03cbf8, #03349e);
text-align:center;
        color: rgb(4, 20, 251);
background-color:antiquewhite ;

    }
    *, *:before, *:after { -moz-box-sizing:border-box;-webkit-box-sizing:border-box;box-sizing:border-
box;margin:0;padding:0}
    body{ background-color:#49c1a2;line-height:5;font-family:sans-serif;text-transform:uppercase;font-
size:20px;color:#fff;font-display:initial;}
a{ text-decoration:none;color:rgb(250, 252, 253)}
    #header{ background:linear-gradient(to bottom,#49c1a2, #03cbf8, #03349e);width:100%;position:relative}
    #header:after{ content:"";clear:both;display:block}
.search{ float:right;padding:30px}
    input{ border:none;padding:10px;border-radius:20px}
.logo{ float:left;padding:26px 0 26px}
.logo a{ font-size:28px;display:block;padding:0 0 0 20px}
    nav{ float:right;}
    nav>ul{ float:left;position:relative}
    nav li{ list-style:none;float:left}
nav .dropdown{ position:relative}
    nav li a{ float:left;padding:35px}
    nav li a:hover{ background:#2C3E50}
    nav li ul{ display:none}
    nav li:hovertul{ display:inline}
    nav li li{ float:none}
nav .dropdownul{ position:absolute;left:0;top:100%;background: #03cbf8;padding:20px 0;border-bottom:3px
solid #34495e}
nav .dropdown li{ white-space:nowrap;background: #03cbf8}
nav .dropdown li a{ padding:10px 35px;font-size:13px;min-width:200px;background: #03cbf8}
nav .mega-dropdown{ width:100%;position:absolute;top:100%;left:0;background:
#03cbf8;overflow:hidden;padding:20px 35px;border-bottom:3px solid #34495e}
    nav li lia{ float:none;color:#333;display:block;padding:8px 10px;border-radius:3px;font-size:13px}
    nav li lia:hover{ background:#bdc3c7;background:#095be1}
.mega-col{ width:25%;float:left}
    #menu-icon{ position:absolute;right:0;top:50%;margin-top:-12px;margin-right:30px;display:none}
    #menu-icon span{ border:2px solid #fff;width:30px;margin-bottom:5px;display:block;-webkit-transition:all
.2s;transition:all .1s}
    @media only screen and (max-width: 1170px) {
        nav >ul>li >a{ padding:35px 15px}
    }
    @media only screen and (min-width: 960px) {
        nav{ display:block!important}
    }
    @media only screen and (max-width: 959px) {
        nav{ display:none;width:100%;clear:both;float:none;max-height:400px;overflow-y:scroll}
        #menu-icon{ display:inline;top:45px;cursor:pointer}
        #menu-icon.active .first{ transform:rotate(45deg);-webkit-transform:rotate(45deg);margin-top:10px}

```

```

        #menu-icon.active .second{transform:rotate(135deg);-webkit-
transform:rotate(135deg);position:relative;top:-9px;}
        #menu-icon.active .third{display:none}
.search{float:none}
.search input{width:100%}
    nav{padding:10px}
    nav ul{float:none}
    nav li{float:none}
    nav ul li a{float:none;padding:8px;display:block}
    #header nav ul ul{display:block;position:static;background:none;border:none;padding:0}
    #header nav a{color:#fff;padding:8px}
    #header nav a:hover{background:#fff;color:#333;border-radius:3px}
    #header nav ul li li a:before{content:"- "}
.mega-col{width:100%}
    }
</style>
<body>
<h1>ABOUT US</h1>
<h2>NEWS TRACKER APPLICATION</h2>
<h2>Team ID: PHT2022TMID32793</h2>
<p>Team leader:S.Sarulatha.<br>
    Team member 1:S.Rakshana.<br>
    Team member 2:P.S.Shruthi.<br>
    Team member 3:S.Nithin Raj.<br>
</p>
</body>
</html>

```

8.(Contact us)

```

<!DOCTYPE html>
<html lang="en">
<title>contact us</title>
<style>
body{
display:flexbox;
    justify-content: center;
    align-items: center;
    min-height: 100vh;
    font-family: 'Jost', sans-serif;
    background: linear-gradient(to bottom,#49c1a2, #03cbf8, #03349e);
text-align:center;
    color: rgb(4, 20, 251);
background-color:antiquewhite ;

    }
    *, *:before, *:after { -moz-box-sizing: border-box; -webkit-box-sizing: border-box; box-sizing: border-
box;margin:0;padding:0}
    body{ background-color:#49c1a2;line-height:5;font-family:sans-serif;text-transform:uppercase;font-
size:20px;color:#fff;font-display:initial;}
    a{text-decoration:none;color:rgb(250, 252, 253)}

```

```

    #header{background:linear-gradient(to bottom,#49c1a2, #03cbf8, #03349e);width:100%;position:relative}
    #header:after{content:"";clear:both;display:block}
.search{float:right;padding:30px}
    input{border:none;padding:10px;border-radius:20px}
.logo{float:left;padding:26px 0 26px}
.logo a{font-size:28px;display:block;padding:0 0 0 20px}
    nav{float:right;}
    nav>ul{float:left;position:relative}
    nav li{list-style:none;float:left}
nav .dropdown{position:relative}
    nav li a{float:left;padding:35px}
    nav li a:hover{background:#2C3E50}
    nav li ul{display:none}
    nav li:hovertul{display:inline}
    nav li li{float:none}
nav .dropdownul{position:absolute;left:0;top:100%;background: #03cbf8;padding:20px 0;border-bottom:3px
solid #34495e}
nav .dropdown li{white-space:nowrap;background: #03cbf8}
nav .dropdown li a{padding:10px 35px;font-size:13px;min-width:200px;background: #03cbf8}
nav .mega-dropdown{width:100%;position:absolute;top:100%;left:0;background:
#03cbf8;overflow:hidden;padding:20px 35px;border-bottom:3px solid #34495e}
    nav li lia{float:none;color:#333;display:block;padding:8px 10px;border-radius:3px;font-size:13px}
    nav li lia:hover{background:#bdc3c7;background:#095be1}
.mega-col{width:25%;float:left}
    #menu-icon{position:absolute;right:0;top:50%;margin-top:-12px;margin-right:30px;display:none}
    #menu-icon span{border:2px solid #fff;width:30px;margin-bottom:5px;display:block;-webkit-transition:all
.2s;transition:all .1s}
    @media only screen and (max-width: 1170px) {
    nav >ul>li >a{padding:35px 15px}
    }
    @media only screen and (min-width: 960px) {
    nav{display:block!important}
    }
    @media only screen and (max-width: 959px) {
    nav{display:none;width:100%;clear:both;float:none;max-height:400px;overflow-y:scroll}
    #menu-icon{display:inline;top:45px;cursor:pointer}
    #menu-icon.active .first{transform:rotate(45deg);-webkit-transform:rotate(45deg);margin-top:10px}
    #menu-icon.active .second{transform:rotate(135deg);-webkit-
transform:rotate(135deg);position:relative;top:-9px;}
    #menu-icon.active .third{display:none}
.search{float:none}
.search input{width:100%}
    nav{padding:10px}
    nav ul{float:none}
    nav li{float:none}
    nav ul li a{float:none;padding:8px;display:block}
    #header nav ul ul{display:block;position:static;background:none;border:none;padding:0}
    #header nav a{color:#fff;padding:8px}
    #header nav a:hover{background:#fff;color:#333;border-radius:3px}
    #header nav ul li lia:before{content:"- "}
.mega-col{width:100%}

```

```

    }
</style>
<body>
<h1>CONTACT US</h1>
<p>Team leader:S.Sarulatha.<br>
    Team member 1:S.Rakshana.<br>
    Team member 2:P.S.Shruthi.<br>
    Team member 3:S.Nithin Raj. </p>
</body>
</html>

```

9.(About Version)

```

<!DOCTYPE html>
<html lang="en">
<title>contact us</title>
<style>
body{
display:flexbox;
    justify-content: center;
    align-items: center;
    min-height: 100vh;
    font-family: 'Jost', sans-serif;
    background: linear-gradient(to bottom,#49c1a2, #03cbf8, #03349e);
text-align:center;
    color: rgb(4, 20, 251);
background-color:antiquewhite ;

    }
    *, *:before, *:after { -moz-box-sizing: border-box; -webkit-box-sizing: border-box; box-sizing: border-box; margin: 0; padding: 0 }
    body{ background-color:#49c1a2;line-height:5;font-family:sans-serif;text-transform:uppercase;font-size:20px;color:#fff;font-display:initial;}
a{ text-decoration:none;color:rgb(250, 252, 253)}
    #header{ background:linear-gradient(to bottom,#49c1a2, #03cbf8, #03349e);width:100%;position:relative}
    #header:after{ content:"";clear:both;display:block}
.search{ float:right;padding:30px}
    input{ border:none;padding:10px;border-radius:20px}
.logo{ float:left;padding:26px 0 26px}
.logo a{ font-size:28px;display:block;padding:0 0 0 20px}
    nav{ float:right;}
    nav>ul{ float:left;position:relative}
    nav li{ list-style:none;float:left}
nav .dropdown{ position:relative}
    nav li a{ float:left;padding:35px}
    nav li a:hover{ background:#2C3E50}
    nav li ul{ display:none}
    nav li:hovertul{ display:inline}
    nav li li{ float:none}
nav .dropdownul{ position:absolute;left:0;top:100%;background: #03cbf8;padding:20px 0;border-bottom:3px solid #34495e}

```

```

nav .dropdown li{ white-space:nowrap;background: #03cbf8}
nav .dropdown li a{padding:10px 35px;font-size:13px;min-width:200px;background: #03cbf8}
nav .mega-dropdown{ width:100%;position:absolute;top:100%;left:0;background:
#03cbf8;overflow:hidden;padding:20px 35px;border-bottom:3px solid #34495e}
    nav li lia{ float:none;color:#333;display:block;padding:8px 10px;border-radius:3px;font-size:13px}
    nav li lia:hover{ background:#bdc3c7;background:#095be1 }
.mega-col{ width:25%;float:left }
    #menu-icon{ position:absolute;right:0;top:50%;margin-top:-12px;margin-right:30px;display:none }
    #menu-icon span{ border:2px solid #fff;width:30px;margin-bottom:5px;display:block;-webkit-transition:all
.2s;transition:all .1s}
    @media only screen and (max-width: 1170px) {
    nav >ul>li >a{padding:35px 15px}
    }
    @media only screen and (min-width: 960px) {
    nav{ display:block!important }
    }
    @media only screen and (max-width: 959px) {
    nav{ display:none;width:100%;clear:both;float:none;max-height:400px;overflow-y:scroll}
    #menu-icon{ display:inline;top:45px;cursor:pointer}
    #menu-icon.active .first{ transform:rotate(45deg);-webkit-transform:rotate(45deg);margin-top:10px}
    #menu-icon.active .second{ transform:rotate(135deg);-webkit-
transform:rotate(135deg);position:relative;top:-9px;}
    #menu-icon.active .third{ display:none}
.search{ float:none}
.search input{ width:100% }
    nav{ padding:10px}
    nav ul{ float:none}
    nav li{ float:none}
    nav ul li a{ float:none;padding:8px;display:block}
    #header nav ul ul{ display:block;position:static;background:none;border:none;padding:0}
    #header nav a{ color:#fff;padding:8px}
    #header nav a:hover{ background:#fff;color:#333;border-radius:3px}
    #header nav ul li lia:before{ content:"- "}
.mega-col{ width:100% }
    }
</style>
<body>
<h2>ABOUT VERSION</h2>
<h2>NEWS TRACKER APPLICATION</h2>
<h2>Team ID: PHT2022TMID32793</h2>
<p>Team leader:S.Sarulatha.<br>
    Team member 1:S.Rakshana.<br>
    Team member 2:P.S.Shruthi.<br>
    Team member 3:S.Nithin Raj.</p>
<h1>DATE:"19.11.2022"</h1>
</body>
</html>

```

10.(Help)

```
<!DOCTYPE html>
<html lang="en">
<title>contact us</title>
<style>
body{
display:flexbox;
    justify-content: center;
    align-items: center;
    min-height: 100vh;
    font-family: 'Jost', sans-serif;
    background: linear-gradient(to bottom,#49c1a2, #03cbf8, #03349e);
text-align:center;
    color: rgb(4, 20, 251);
background-color:antiquewhite ;

    }
    p {
        text-align: center;
        padding-top: 20px;
        font-size: 15px;
    }
    .para-2 {
        text-align: center;
        color: white;
        font-size: 15px;
        margin-top: -10px;
    }
    .para-2 a {
        color: #31f320;
    }
    *, *:before, *:after { -moz-box-sizing: border-box; -webkit-box-sizing: border-box; box-sizing: border-box; margin: 0; padding: 0 }
    body{ background-color:#49c1a2;line-height:5;font-family:sans-serif;text-transform:uppercase;font-size:20px;color:#fff;font-display:initial;}
    a{ text-decoration:none;color:rgb(250, 252, 253)}
        #header{ background:linear-gradient(to bottom,#49c1a2, #03cbf8, #03349e);width:100%;position:relative}
        #header:after{ content:"";clear:both;display:block}
    .search{ float:right;padding:30px}
        input{ border:none;padding:10px;border-radius:20px}
    .logo{ float:left;padding:26px 0 26px}
    .logo a{ font-size:28px;display:block;padding:0 0 0 20px}
        nav{ float:right;}
        nav>ul{ float:left;position:relative}
        nav li{ list-style:none;float:left}
    nav .dropdown{ position:relative}
        nav li a{ float:left;padding:35px}
        nav li a:hover{ background:#2C3E50}
        nav li ul{ display:none}
```

```

    nav li:hover ul { display: inline }
    nav li li { float: none }
nav .dropdown ul { position: absolute; left: 0; top: 100%; background: #03cbf8; padding: 20px 0; border-bottom: 3px
solid #34495e }
nav .dropdown li { white-space: nowrap; background: #03cbf8 }
nav .dropdown li a { padding: 10px 35px; font-size: 13px; min-width: 200px; background: #03cbf8 }
nav .mega-dropdown { width: 100%; position: absolute; top: 100%; left: 0; background:
#03cbf8; overflow: hidden; padding: 20px 35px; border-bottom: 3px solid #34495e }
    nav li lia { float: none; color: #333; display: block; padding: 8px 10px; border-radius: 3px; font-size: 13px }
    nav li lia:hover { background: #bdc3c7; background-color: #095be1 }
.mega-col { width: 25%; float: left }
    #menu-icon { position: absolute; right: 0; top: 50%; margin-top: -12px; margin-right: 30px; display: none }
    #menu-icon span { border: 2px solid #fff; width: 30px; margin-bottom: 5px; display: block; -webkit-transition: all
.2s; transition: all .1s }
    @media only screen and (max-width: 1170px) {
    nav >ul>li >a { padding: 35px 15px }
    }
    @media only screen and (min-width: 960px) {
    nav { display: block !important }
    }
    @media only screen and (max-width: 959px) {
    nav { display: none; width: 100%; clear: both; float: none; max-height: 400px; overflow-y: scroll }
    #menu-icon { display: inline; top: 45px; cursor: pointer }
    #menu-icon.active .first { transform: rotate(45deg); -webkit-transform: rotate(45deg); margin-top: 10px }
    #menu-icon.active .second { transform: rotate(135deg); -webkit-
transform: rotate(135deg); position: relative; top: -9px; }
    #menu-icon.active .third { display: none }
    .search { float: none }
    .search input { width: 100% }
    nav { padding: 10px }
    nav ul { float: none }
    nav li { float: none }
    nav ul li a { float: none; padding: 8px; display: block }
    #header nav ul ul { display: block; position: static; background: none; border: none; padding: 0 }
    #header nav a { color: #fff; padding: 8px }
    #header nav a:hover { background: #fff; color: #333; border-radius: 3px }
    #header nav ul li lia: before { content: "- " }
.mega-col { width: 100% }
    }
</style>
<body>
<h1>Help</h1>
<h2>NEWS TRACKER APPLICATION</h2>
<h3>how to login?</h3>
<p>1.First create account using SIGNUP<br>
<p class="para-2">
<a href="index.html">signup here here</a><br>
</p>
    2.Rigister your account<br>
    3. Then login using username & password<br></p>
<h3>how to use dashboard?</h3>

```



```
<p>In dashboard you will have<br>
  1.HOME--
    >profile,bookmark,logout<br>
  2.ABOUT-->about us,help<br>
  3.CONTACT-->about
    version,contact us<br>
</p>
<h3>how to save news?</h3>
<p> you can save news using bookmark<br></p>
<p>further details refer contact us<br>
<p class="para-2">
<a href="contact.html">contact here</a><br>
</p>
</p>
</body>
</html>
```

GitHub Link

<https://github.com/IBM-EPBL/IBM-Project-16554-1659617196>

Project Demo Link

https://youtu.be/Ls6KT_JvBAA