

News Tracker Application

A PROJECT REPORT

Submitted By

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In partial fulfilment for the award of the degree

Of

BACHELOR OF TECHNOLOGY

In



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KINGS ENGINEERING COLLEGE, IRUNGATTUKOTAI

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BONAFIDE CERTIFICATE

Certified that mini project report “**News Tracker Application**” is bonafide work of “**Vishnu V, Vignesh B, Kishor Kumar S, Sharath S**” who carried out this mini project work under my supervision.

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INTRODUCTION

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.

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every minute and distributed via television, radio and the Internet, so the news updated the next morning is already outdated.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

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. <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/>

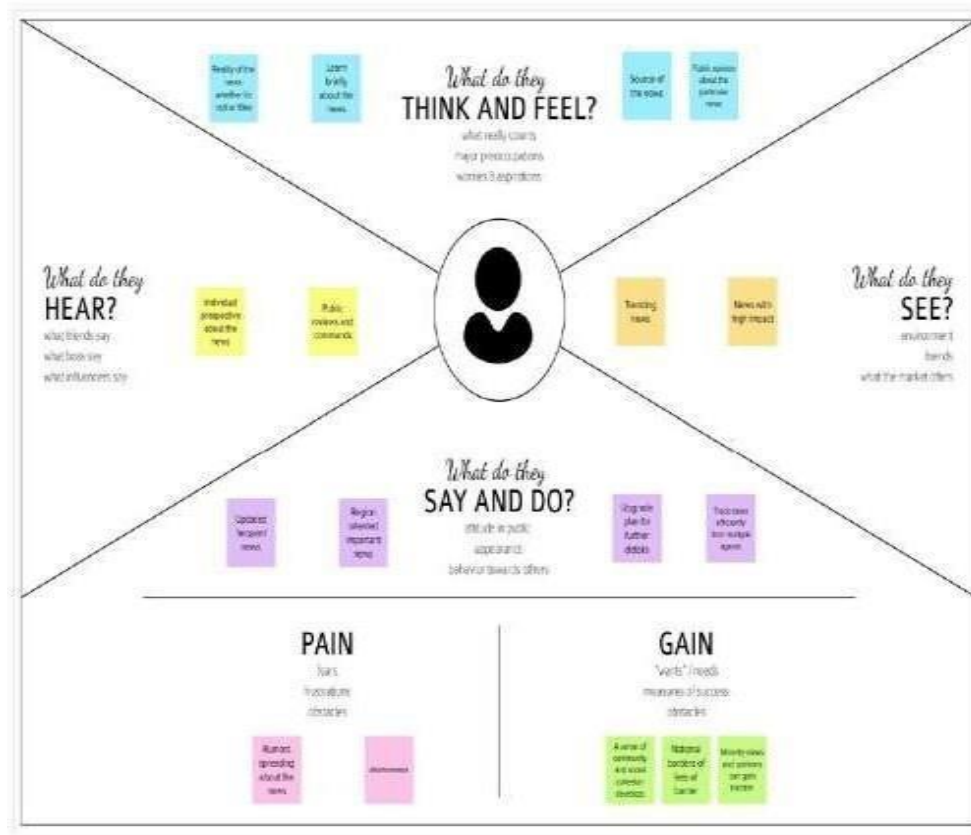
Problem Statement Definition

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

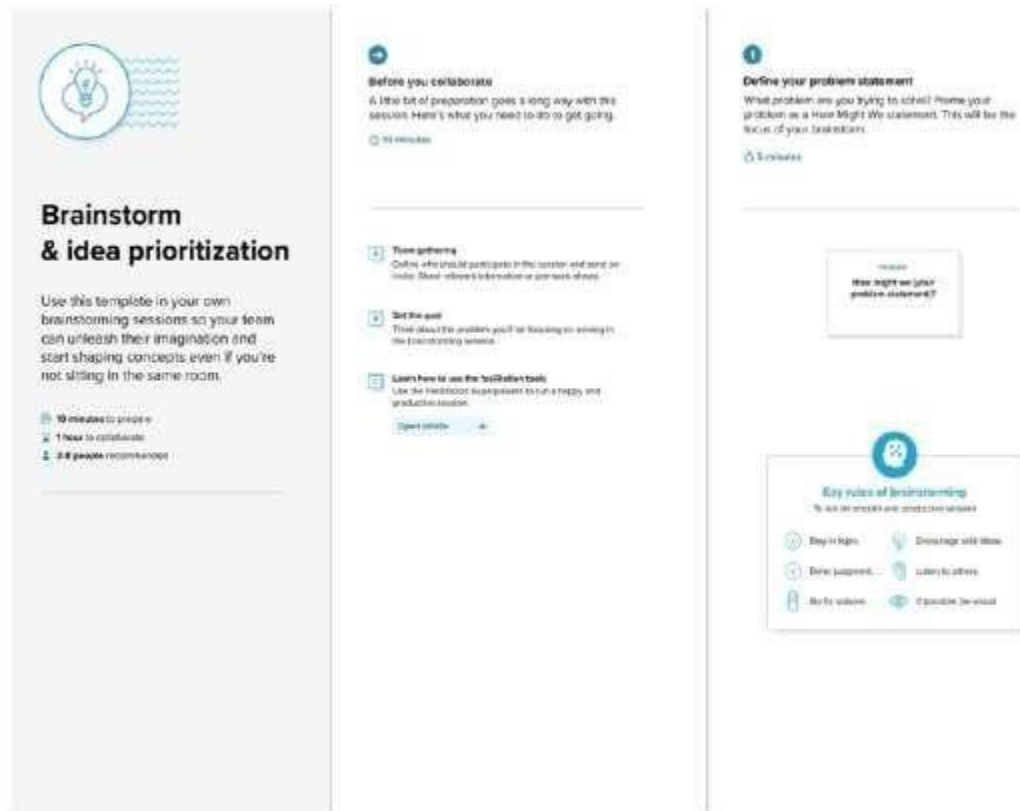
explicitly that the news is not fake but from proper sources. This news tracker application helps the user to get all information about commodities, sports, technology, education etc. The user can register using their personal details and interacts with the application and save their time. • Creating 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

3. IDEATION & PROPOSED SOLUTION

1. Empathy Map Canvas



2. Ideation & Brainstorming



3. Proposed Solution

S.NO	Parameter	Description
1	Problem Statement (Problem to be solved)	As world's technology is rapidly growing we have fast connection and network to instantly connect to other person. Day to day use in mobile, tablets and laptop is increasing, most of the people already have these facilities. In this fast and information oriented world we need to stay updated with every incidents and news too. The main focus of this application is to connect news articles from all around the world and deliver it to user as fast as possible in best visualize way.
2	Idea / Solution description	Our idea is we help our users to give their suggested news with their prescribed timing. The main focus of this application is to connect news articles from all around the world and deliver it to user as fast as possible in best visualize way. And our motive is “Only read what you feel is relevant and save your time.”

3	Novelty / Uniqueness	Our uniqueness is this application comes completely free of charge and is an excellent way of getting daily updates about all the important news on your mobile phone itself. This application offers you brief articles that are smartly written to include all the necessary information and are short enough to make it a quick read.
4	Social Impact / Customer Satisfaction	After launching of this application all Our Customers get news updates every morning and evening so that you don't miss out on any critical headlines. This application also allows you to save and read news stories offline.

		If you like a particular story and find it relevant, you can share it with your friends and family through Twitter, Facebook, Whatsapp, etc.
5	Business Model (Revenue Model)	<ul style="list-style-type: none"> • Our application's ability to handle growing user base without affecting the user experience and the app's performance. • So this will ensure our application will scalable.
6	Scalability of the Solution	Scalability is one of the benchmarks of the cloud services and its adoption with businesses. Cloud scalability will help to increase the user base by increasing the resource allocation and meeting the changing demands without sacrificing the efficiency or quality of our customer service and internal operations. Providing fast and reliable news while maintaining positive relationships with your customers.

4. Problem Solution fit

1. CUSTOMER SEGMENT(S) Business Owner Multilingual Country		6. CUSTOMER CONSTRAINTS <ul style="list-style-type: none">• Time constraints• Must allow all the permission	5. AVAILABLE SOLUTIONS <ul style="list-style-type: none">• Add multi language• Location based search• Translate the news
2. JOBS-TO-BE-DONE / PROBLEMS Region Based News Multilingual News		8. PROBLEM ROOT CAUSE <ul style="list-style-type: none">• Limited time frame to read/watch news.• Portability of news sources are low.• Most news sources have a low Ease of Access.	7. BEHAVIOUR <ul style="list-style-type: none">• Access the support system• Watches/reads news when they reach home
3. TRIGGERS I get a News from unwanted Region and domain	4. EMOTIONS: BEFORE / AFTER Unfamiliarity about local region	10. YOUR SOLUTION <ul style="list-style-type: none">• Get a localized news• Get various language oriented news	8. CHANNELS of BEHAVIOUR 8.1 ONLINE <ul style="list-style-type: none">• Manage the search history• Uses YouTube to watch live/pre-recorded news OFFLINE <ul style="list-style-type: none">• Uses Physical materials like newspapers and magazines• Watches live news channels on the Television

4. REQUIREMENT ANALYSIS

Functional Requirements:

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
FR-2	User Confirmation	Confirmation via Email
FR-3	User Login	User login using the username and the password
FR-4	Searching based	Consumer Region based news. Search the various language oriented news. Showing the category wise news.
FR-5	Interests from	Get interest of user during initial login
FR-6	Chatbot	Chabot assistance for customers

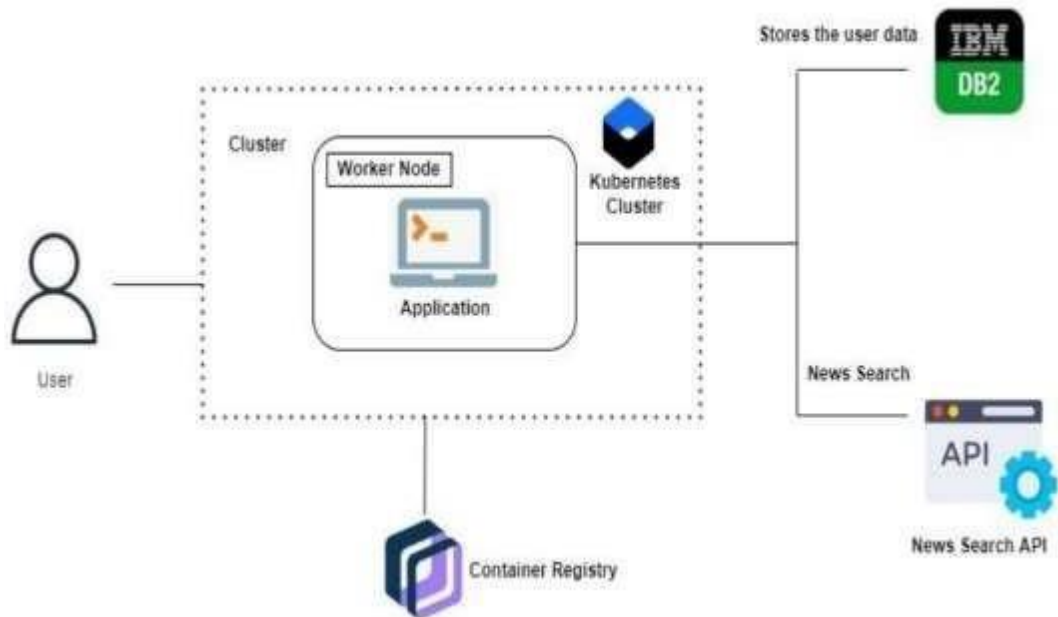
Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It is friendly for users and it gives clear plan to the customers
NFR-2	Security	Password is secure because it is encrypted
NFR-3	Reliability	It is reliable as the data is from confidential resources and cannot be fake
NFR-4	Performance	The response time is good
NFR-5	Availability	It provides resources available for 24/7
NFR-6	Scalability	Users can scale up or down their fields of interest categories in future

5. PROJECT DESIGN

5.1 Data Flow Diagrams



Solution & Technical Architecture

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
Provide specifications acco.

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.

6. PROJECT PLANNING & SCHEDULING

1. Sprint Planning & Estimation

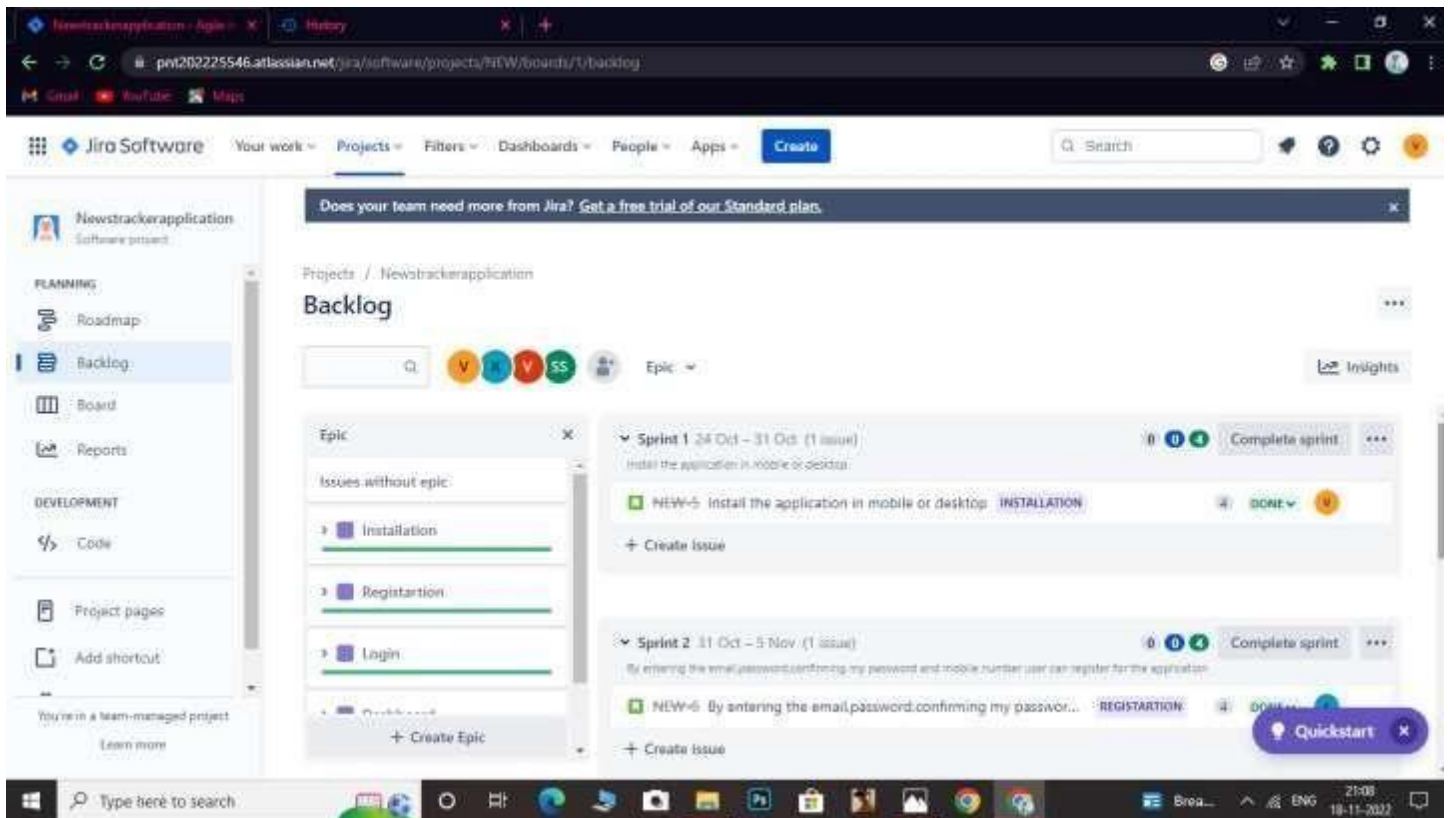
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Installation	USN-1	Install the application in mobile or desktop	2	High	Vishnu
Sprint-2	Registration	USN-2	By entering the email, password, confirming my password and mobile number user can register for the application	1	High	Kishor Kumar
Sprint-3	Login	USN-3	By entering email and password user can log into the application	2	Low	Vignesh
Sprint-4	Dashboard	USN-4	Latest updates of news	2	Medium	Sharath

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

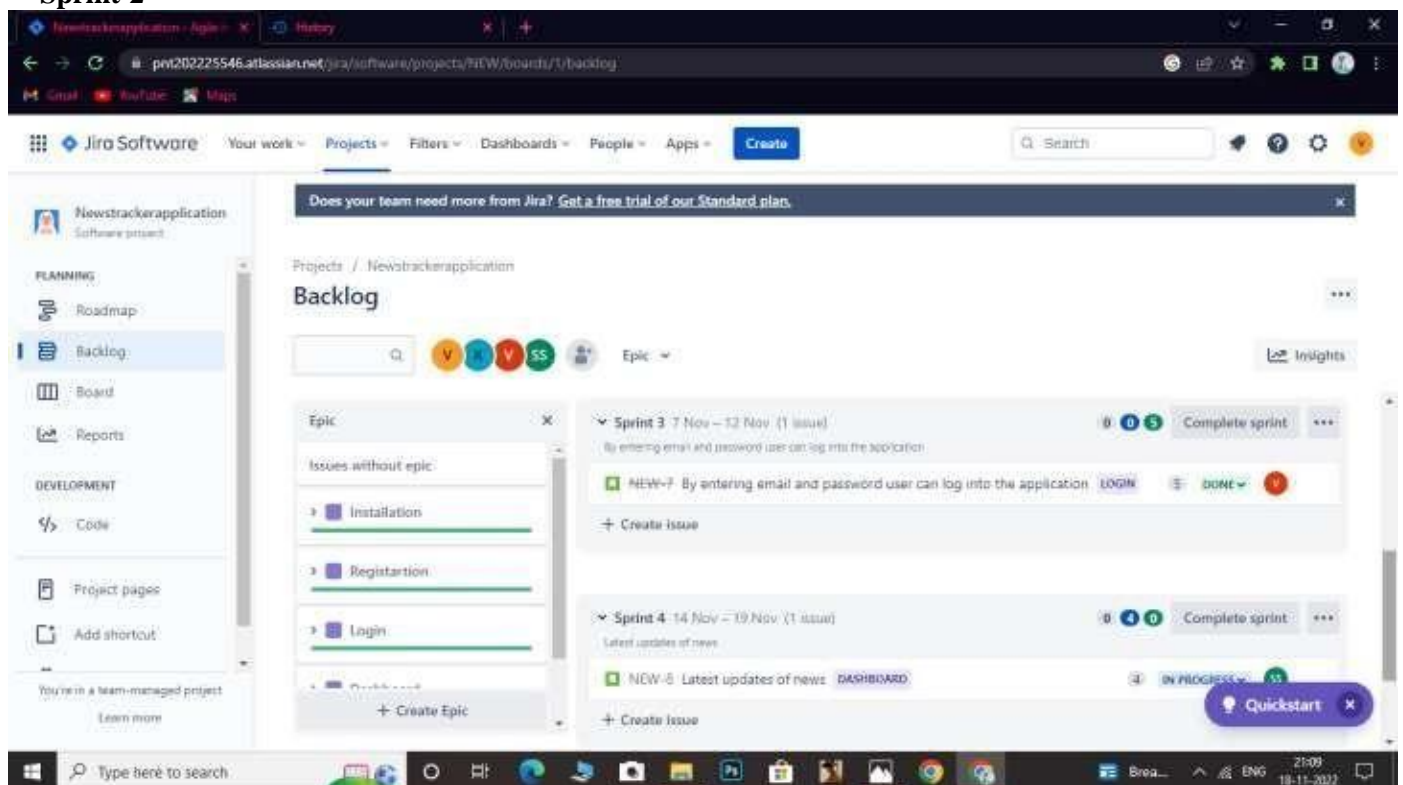
3. Reports from JIRA

Sprint-1



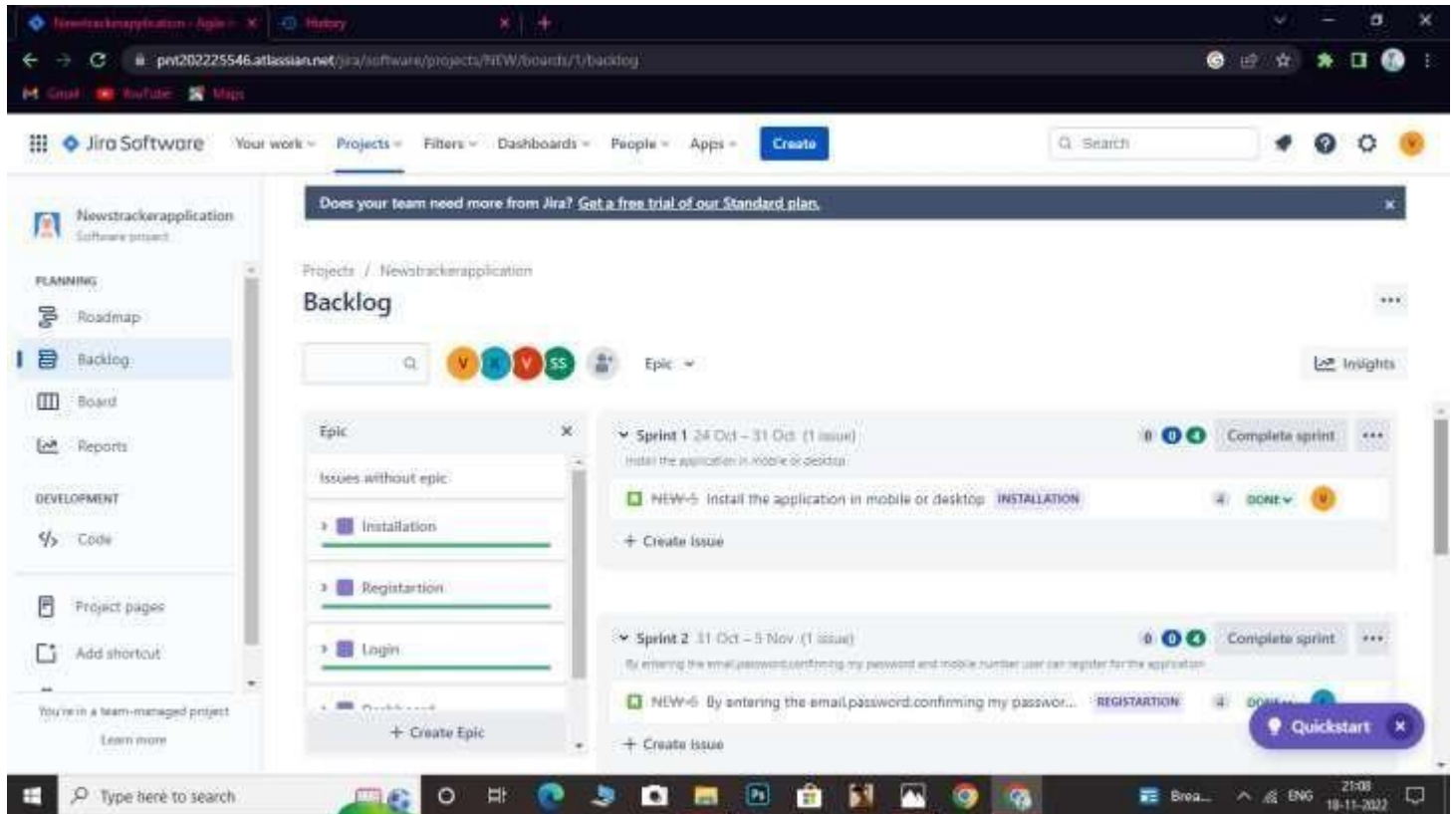
The screenshot shows the Jira Software interface for a project named 'Newstrackerapplication'. The left sidebar contains navigation options: PLANNING (Roadmap, Backlog, Board, Reports) and DEVELOPMENT (Code, Project pages, Add shortcut). The main area displays the 'Backlog' for the project. A banner at the top asks, 'Does your team need more from Jira? Get a free trial of our Standard plan.' Below this, the 'Backlog' section shows a search bar, filters (V, K, V, SS), and an 'Epic' dropdown. The backlog is organized into sprints. 'Sprint 1' (24 Oct - 31 Oct) contains one issue: 'NEW-5: Install the application in mobile or desktop' with a status of 'INSTALLATION' and a 'DONE' label. 'Sprint 2' (11 Oct - 5 Nov) contains one issue: 'NEW-6: By entering the email,password,confirming my password and mobile number user can register for the application' with a status of 'REGISTRATION' and a 'DONE' label. A 'Quickstart' button is visible in the bottom right corner. The Windows taskbar at the bottom shows the search bar and various application icons.

Sprint-2



The screenshot shows the Jira Software interface for the same project, 'Newstrackerapplication'. The left sidebar is identical to the previous screenshot. The main area displays the 'Backlog' for the project. A banner at the top asks, 'Does your team need more from Jira? Get a free trial of our Standard plan.' Below this, the 'Backlog' section shows a search bar, filters (V, K, V, SS), and an 'Epic' dropdown. The backlog is organized into sprints. 'Sprint 3' (7 Nov - 12 Nov) contains one issue: 'NEW-7: By entering email and password user can log into the application' with a status of 'LOGIN' and a 'DONE' label. 'Sprint 4' (14 Nov - 19 Nov) contains one issue: 'NEW-8: Latest updates of news' with a status of 'DASHBOARD' and a 'IN PROGRESS' label. A 'Quickstart' button is visible in the bottom right corner. The Windows taskbar at the bottom shows the search bar and various application icons.

Sprint-3

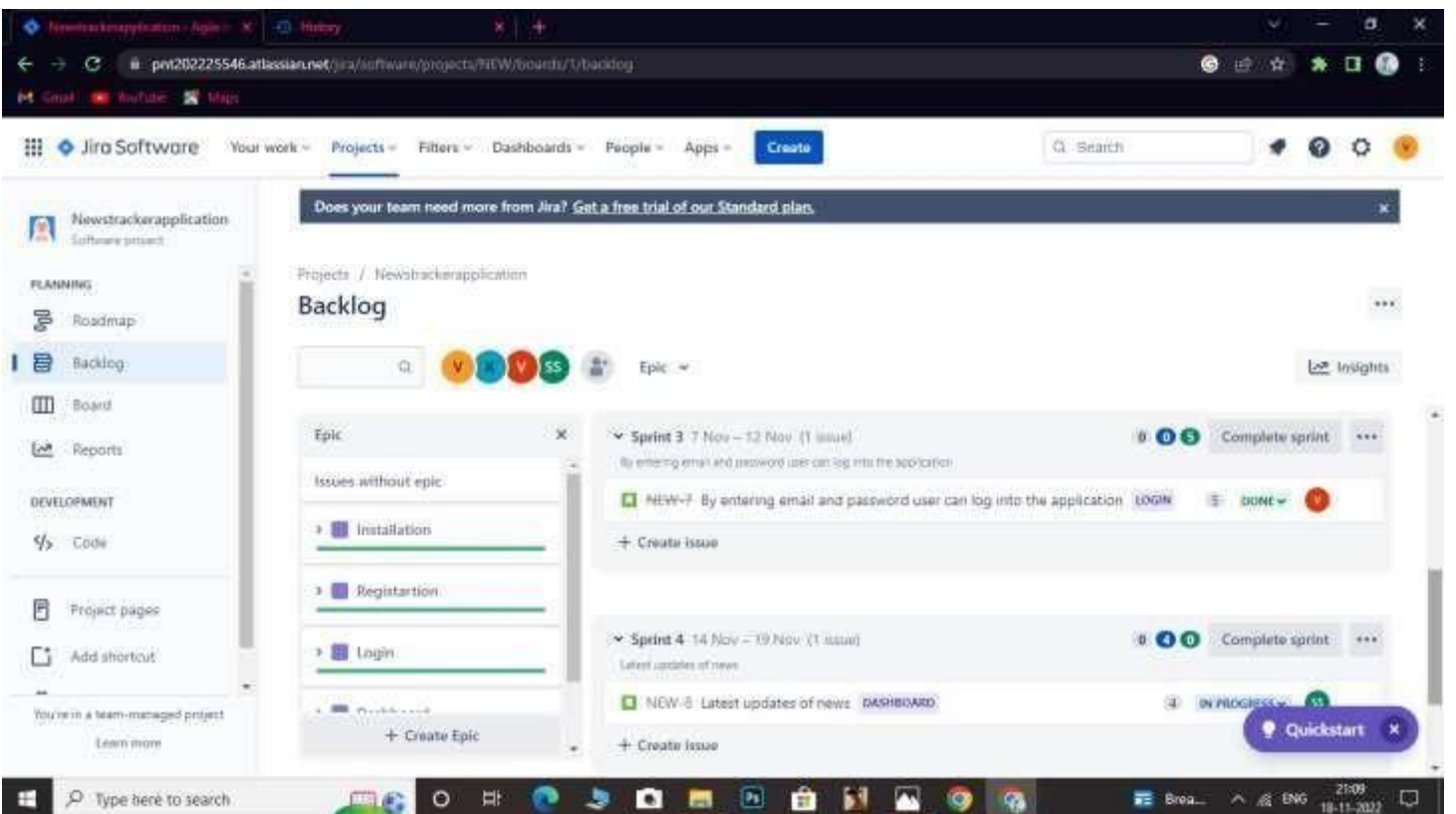


The screenshot shows the Jira Software interface for a project named "Newstrackerapplication". The left sidebar contains navigation options: "PLANNING" (Roadmap, Backlog, Board, Reports) and "DEVELOPMENT" (Code, Project pages, Add shortcut). The main area displays the "Backlog" for the project. A sidebar on the left lists "Issues without epic" with items: "Installation", "Registration", and "Login". The main backlog area shows two sprints:

- Sprint 1** (24 Oct - 31 Oct, 1 issue): "NEW-5 Install the application in mobile or desktop" (INSTALLATION, DONE).
- Sprint 2** (31 Oct - 5 Nov, 1 issue): "NEW-6 By entering the email,password:confirming my passwor..." (REGISTRATION, DONE).

The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 21:08 on 18-11-2022.

Sprint-4



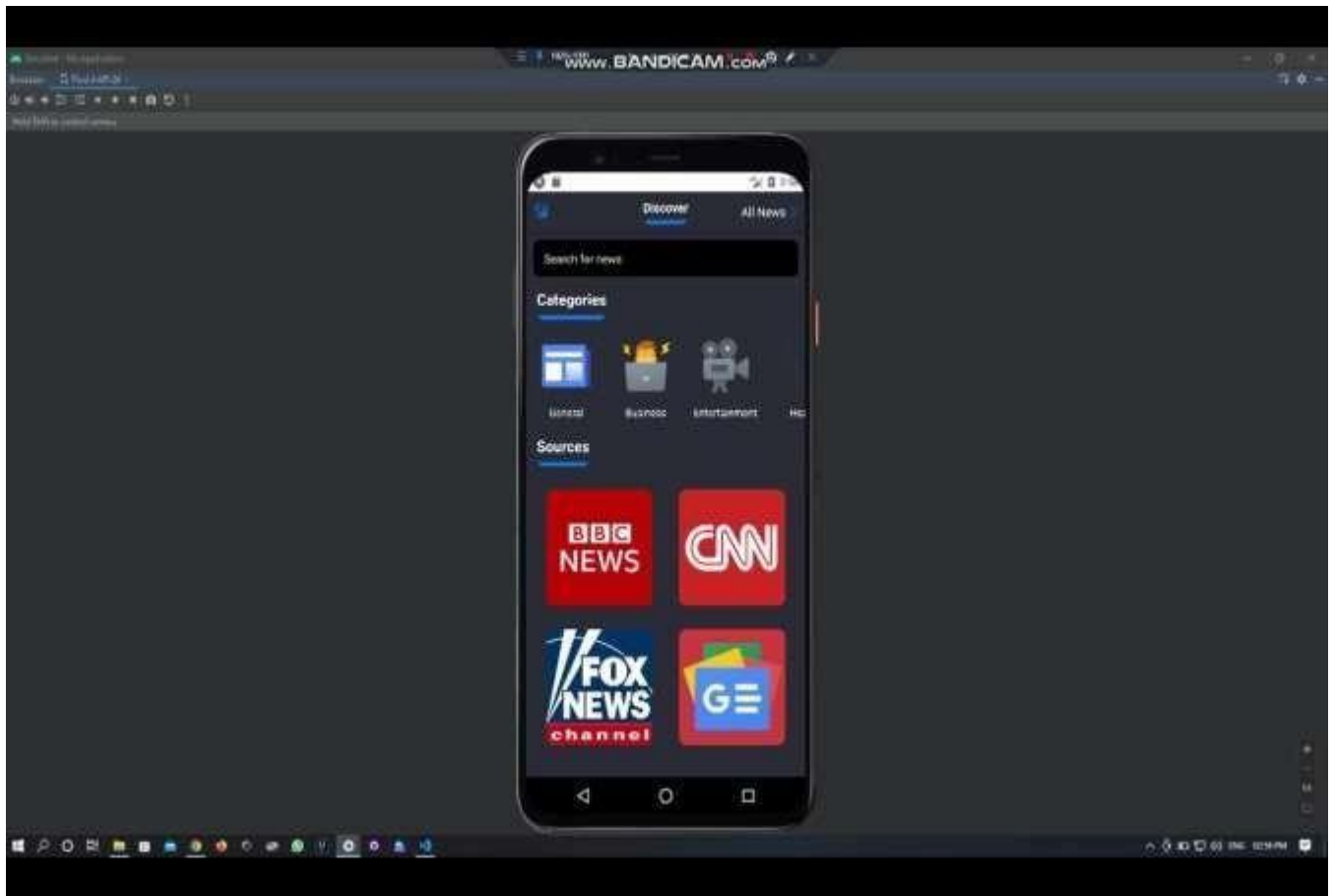
The screenshot shows the Jira Software interface for the same project "Newstrackerapplication". The left sidebar is identical to the previous screenshot. The main area displays the "Backlog" for the project. A sidebar on the left lists "Issues without epic" with items: "Installation", "Registration", and "Login". The main backlog area shows two sprints:

- Sprint 3** (7 Nov - 12 Nov, 1 issue): "NEW-7 By entering email and password user can log into the application" (LOGIN, DONE).
- Sprint 4** (14 Nov - 19 Nov, 1 issue): "NEW-8 Latest updates of news" (DASHBOARD, IN PROGRESS).

The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 21:08 on 18-11-2022.

7. CODING & SOLUTIONING

Feature 1



8. TESTING

1. User Acceptance Testing

03-Nov-22											
PNT2022TMD25546											
Project - News Tracker Application											
4 marks											
Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	TC for Automation(Y/N)	BUG ID	Executed By			
Select OS installation disk space	Windows OS disk space(1.5)	Cloud account created	Working as expected	Pass				Vishnu V			
1. Create file system docker, 2.store web page	docker files	Web page is stored in docker	Working as expected	Pass				Kishor Kumar S			
1.create account to integrate application to DB server API	DB server API	Emails are configured between container and DB	working as expected	Pass				Sharath S			
1.Create personal details scheme in DB2, 2.Create employment vacancy scheme in DB2.	Scheme DB2	Database is created	Working as expected	Pass				Vignesh B			
1.Web url address of DB2 personal details DB2 and employer DB2,2.Web API address has to be integrated	web URL DB Address	Connection speed is tested	working as expected	pass				Vishnu V			
1.Design the HTML web page, 2.Docker image of HTML webpage is installed in container 3.web API is created in web server copying in container. 4.image file is copied in multiple servers.		Webpage Availability is tested	Working as expected	pass				Kishor Kumar S			

**Acceptance Testing
UAT Execution & Report Submission**

Date	03 November 2022
Team ID	PNT2022TMID25546
Project Name	News Tracker Application
Maximum Marks	4 Marks

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	4	20
Duplicate	1	0	4	0	5
External	3	3	0	1	7
Fixed	11	2	4	21	38
Not Reproduced	0	0	3	0	3
Skipped	0	1	1	1	3
Won't Fix	0	7	2	1	10
Totals	24	14	15	26	79

3. Test Case Analysis

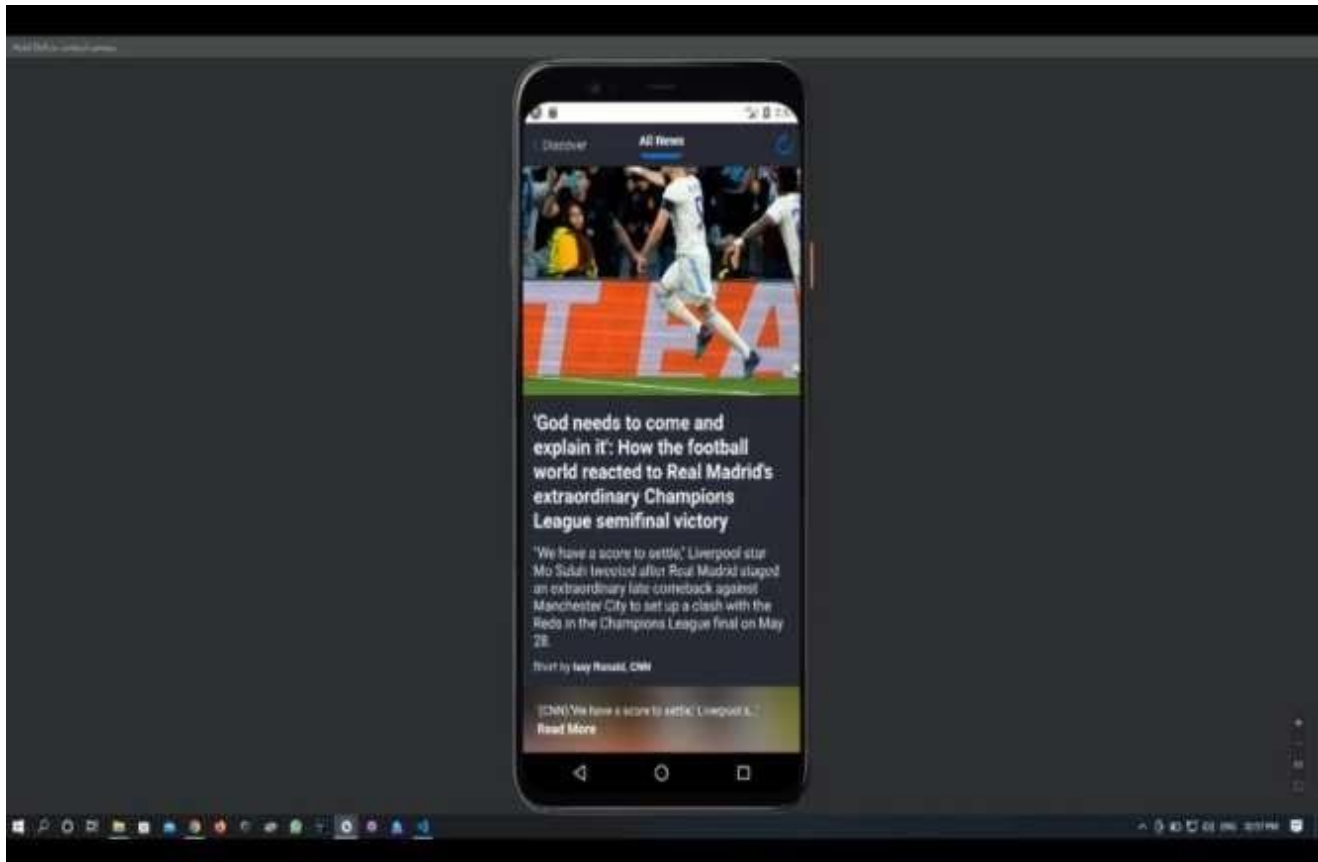
This report shows the number of test cases that have passed, failed, and untested

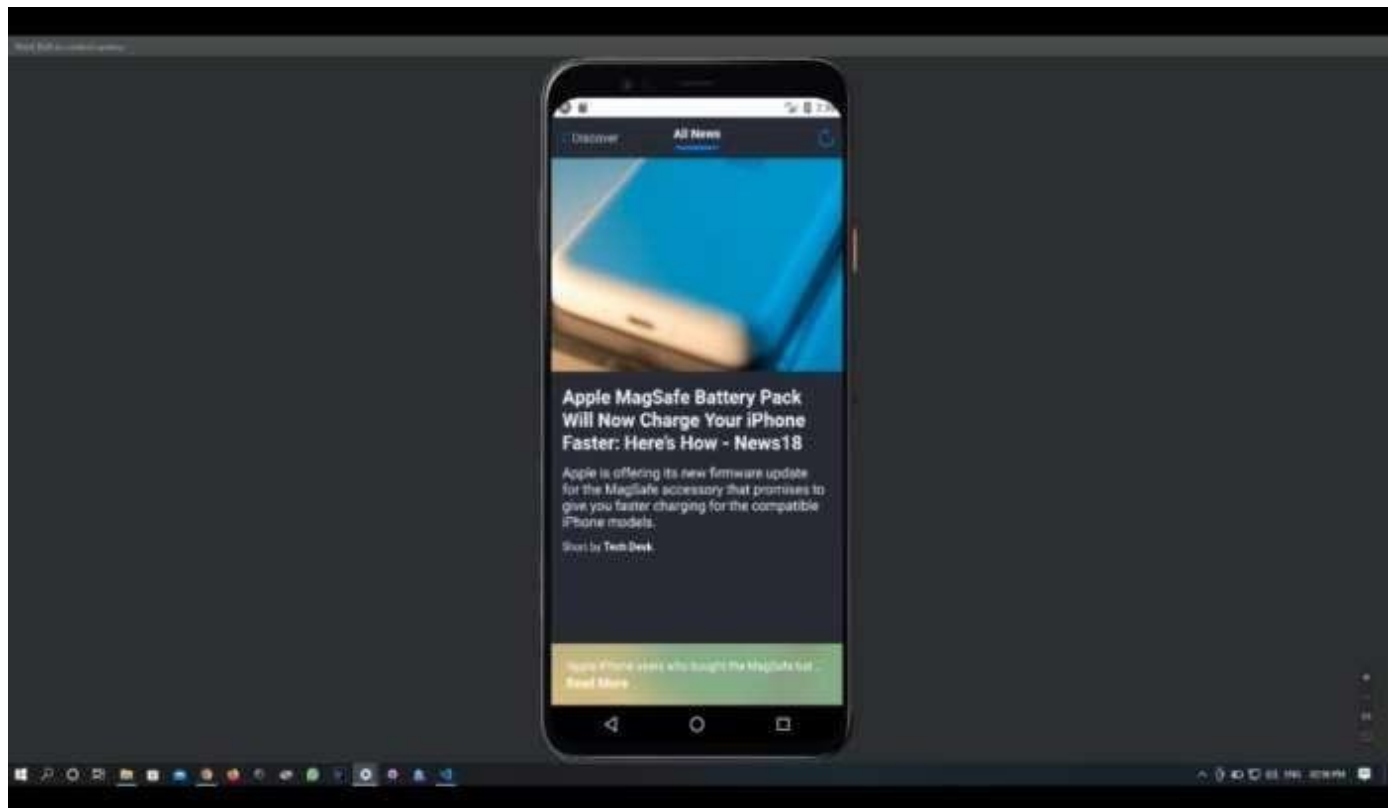
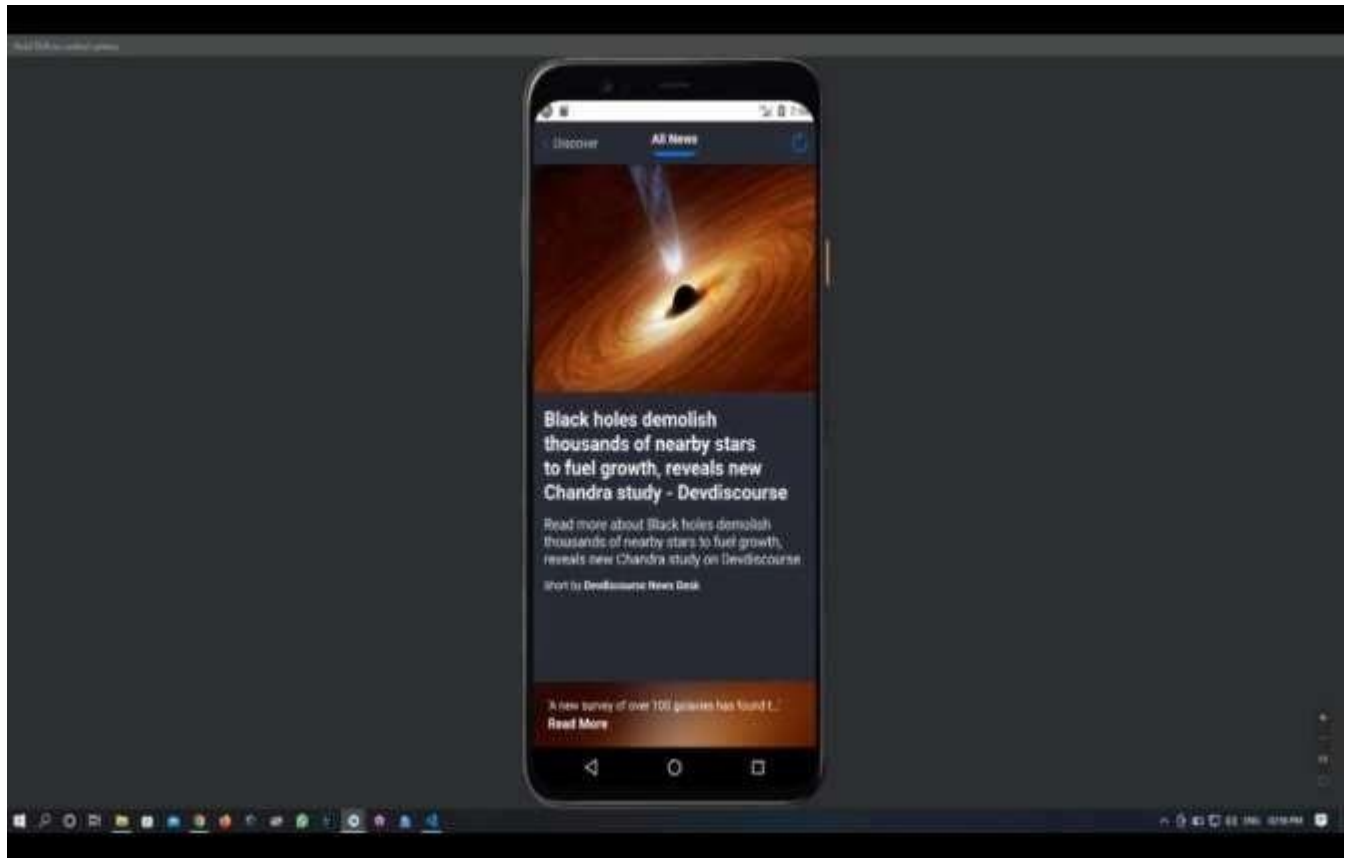
Section	Total Cases	Not Tested	Fail	Pass
Print Engine	8	0	0	8
Client Application	60	0	0	60
Security	5	0	0	5
Outsource Shipping	4	1	0	5

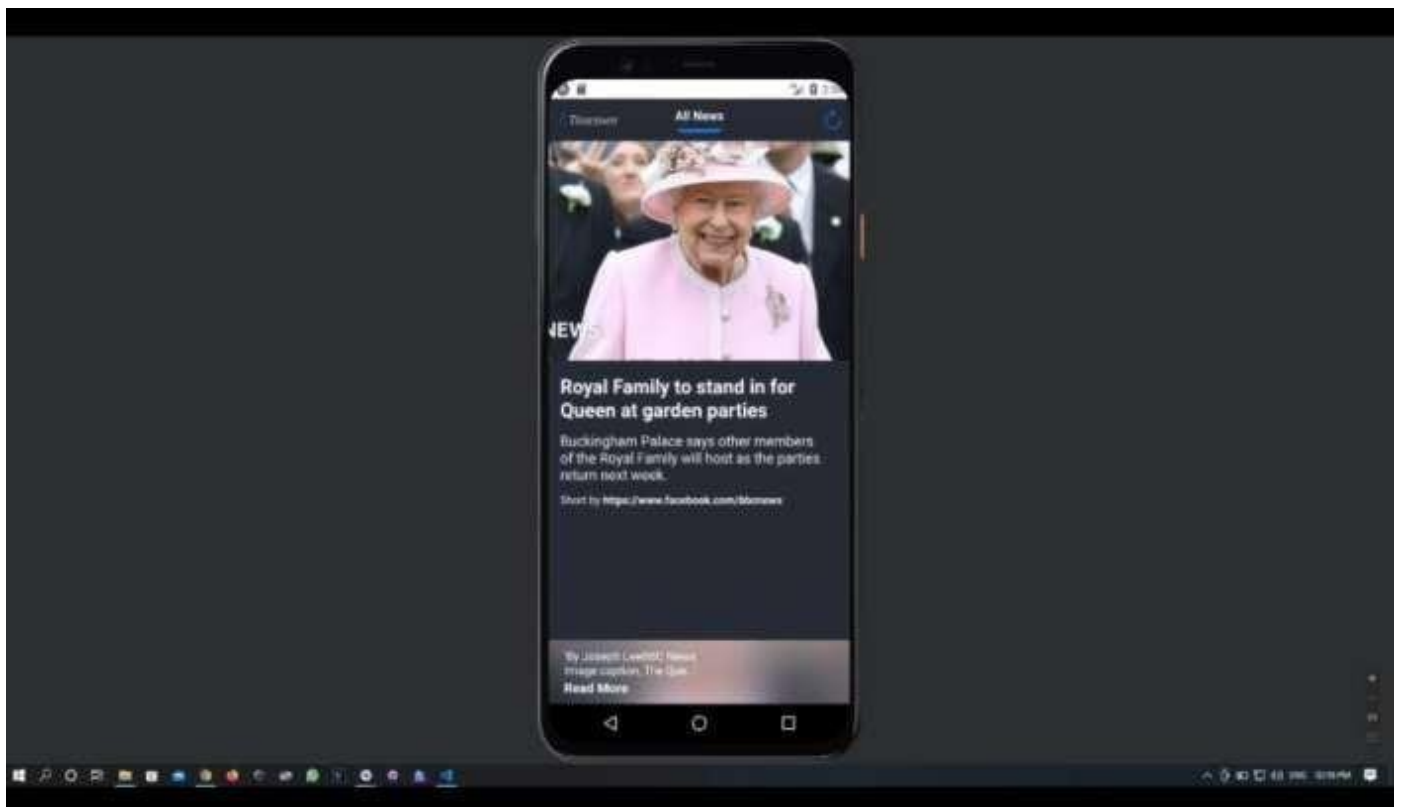
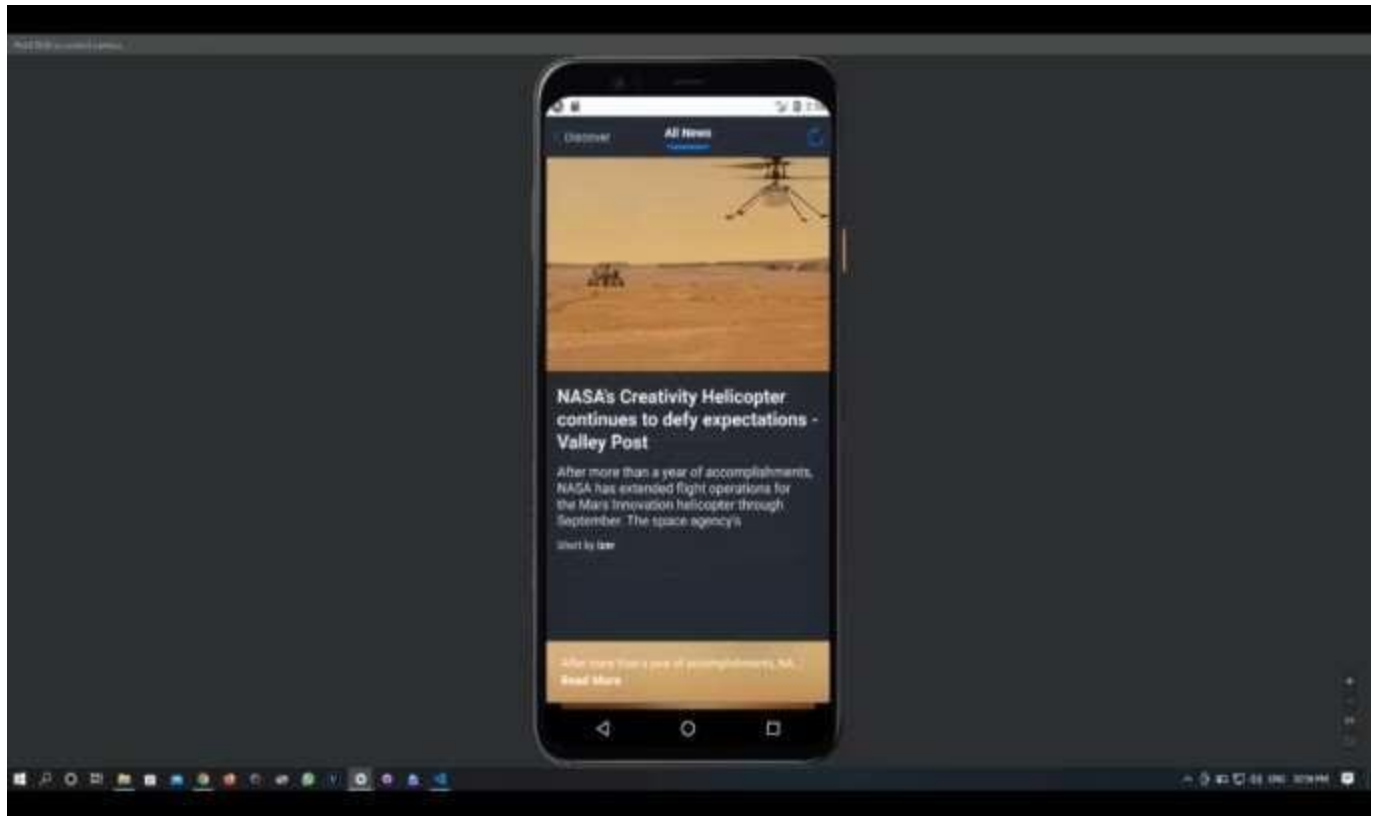
Exception Reporting	8	0	0	8
Final Report Output	5	0	0	5
Version Control	3	0	0	3

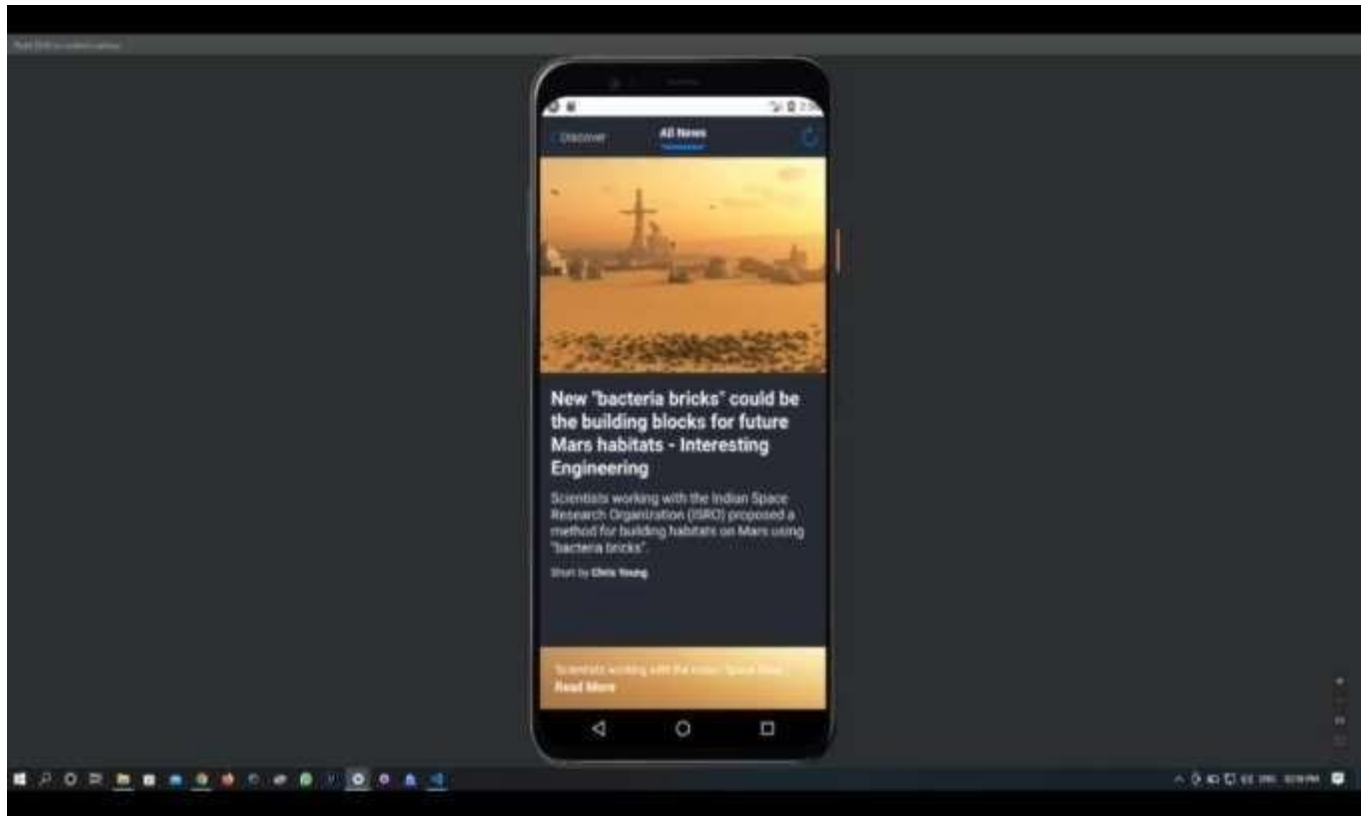
9. RESULTS

9.1 Performance Metrics









10. ADVANTAGES

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

10. 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

13.1.Source Code

Home.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="{ {url_for('static', filename='css/style.css')} }">
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="icon" href="{ {url_for('static', filename='img/logo.png')} }">
  <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
  <title>{ % block title % }{ % endblock % }</title>

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOMLASjC"
crossorigin="anonymous">

</head>
<body>

  <nav class="bg-secondary">
    <h2 class="logo text-light">News Tracker Application</h2>
    <!-- <ul class="menu">
      <li class="nav-items"><a href="/">Home</a></li>
      <li class="nav-items"><a href="/">News</a></li>
      <li class="nav-items"><a href="/">Blogs</a></li>
      <li class="nav-items"><a href="/">Contact</a></li>
    </ul> -->
  </nav>

  <nav class="navbar navbar-expand-lg bg-secondary">
    <div class="container-fluid">
      <!-- <h2>News Tracker Application</h2> -->
      <!-- <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-
label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button> -->
      <div class="collapse navbar-collapse" id="navbarSupportedContent">

        <ul class="navbar-nav me-auto mb-2 mb-lg-0">
          <li class="nav-item">
            <a class="nav-link active text-light" aria-current="page" href="#">Home</a>
```



```

        </li>
        <li class="nav-item">
            <a class="nav-link text-light" href="#">News</a>
        </li>
        <li class="nav-item">
            <a class="nav-link text-light" href="#">Blog</a>
        </li>

        <li class="nav-item" role="contact">
            <a class="nav-link text-light" href="/contact">Contact</a>
        </li>

        <li class="nav-item" rol="logout" >
            <a class="nav-link text-light" href="/">Logout</a>
        </li>
    </ul>

    <form class="d-flex" role="search" action = "/search" method = "post">
        <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search"
name = "nm">
        <button class="btn btn-outline-light" type="submit">Search</button>
    </form>
</div>
</div>
</nav>
<section id="main" class="bg-dark">
    <!-- <form action = "/search" method = "post">
        <p><input type = "text" name = "nm" /></p>
        <p><input type = "submit" value = "submit" /></p>
    </form> -->

                                <!--                                <div                                class="banner">
    </div> -->
    <!-- <div class = "head">TODAY'S TOP HEADLINES</div>
    {% for title,desc,img,p_date,url in contents %}
    <div class="wrapper">
        <div class="item"><a href="{{url}}"></a></div>
        <div class = "c-box">
            <div class="content"><a href="{{url}}"><h2>{{title}}</h2></a></div>
            <div class="content"><a href="{{url}}"><p>{{desc}}</p></a></div>
                <div class="content"><p style="color:rgb(77, 255, 0);">Publish Date:-
</p><p>{{p_date}}</p></div>
        </div>
    </div>
    {% endfor %} -->

```

```

    {% for title,desc,img,p_date,url in all %}
    <div class="wrapper">
        <div class="item"><a href="{{url}}"></a></div>
        <div class="c-box">
            <div class="content"><a href="{{url}}"><h2>{{title}}</h2></a></div>
            <div class="content"><p>{{desc}}</p></div>
            <div class="content"><p style="color:rgb(48, 158, 0);">Publish Date:- </p><p> {{p_date}}
        </p></div>
    </div>
    </div>
    </div>
    {% endfor %}
</section>

```

```

        <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
integrity="sha384-
IQsoLX15PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>
        <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js" integrity="sha384-
cVKIPhGWic2A14u+LWgxfKTRlcfu0JTxR+EQDz/bglDoEyl4H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>
</body>
</html>

```

Index.html

```

<!DOCTYPE html>
<html lang="en" >
<head>
    <meta charset="UTF-8">
    <title>CodePen - Sign up / Login Form</title>
    <link rel="stylesheet" href="{{url_for('static', filename='css/style2.css')}}">

</head>
<body>
<!-- partial:index.partial.html -->
<!DOCTYPE html>
<html>
<head>
    <title>Slide Navbar</title>
    <link rel="stylesheet" href="{{url_for('static', filename='css/style2.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">
            <form action="/register" method="post">
                <label for="chk" aria-hidden="true">Sign up</label>
                <input type="text" name="un" placeholder="User name"
required="">

```

```

        <input      type="email"   name="ue"   placeholder="Email"
required="">
        <input      type="password" name="up" placeholder="Password"
required="">
        <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"
required="">
        <input type="password" name="pswd" placeholder="Password"
required="">
        <button type="submit">Login</button>
    </form>
</div>
</div>
</body>
</html>
<!-- partial -->
</body>
</html>

```

Contact.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>Document</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspD3yD65VohhpUuCOmLASjC"
crossorigin="anonymous">
</head>
<body>
    <div class="h-100 d-flex align-items-center justify-content-center">
        <table class="table table-bordered table-dark">

            <tr>

                <th scope="col">Team Member</th>
                <th scope="col">Contact(Click the Symbol)</th>
            </tr>

```

<tr>

<td>Naveen Raja N</td>

<td>

<svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-linkedin" viewBox="0 0 16 16">

<path d="M0 1.146C0 .513.526 0 1.175 0h13.65C15.474 0 16 .513 16 1.146v13.708c0 .633-.526 1.146-1.175 1.146H1.175C.526 16 0 15.487 0 14.854V1.146zm4.943 12.248V6.169H2.542v7.225h2.401zm-1.2-8.212c.837 0 1.358-.554 1.358-1.248-.015-.709-.52-1.248-1.342-1.248-.822 0-1.359.54-1.359 1.248 0 .694.521 1.248 1.327 1.248h.016zm4.908 8.212V9.359c0-.216.016-.432.08-.586.173-.431.568-.878 1.232-.878.869 0 1.216.662 1.216 1.634v3.865h2.401V9.25c0-2.22-1.184-3.252-2.764-3.252-1.274 0-1.845.7-2.165 1.193v.025h-.016a5.54 5.54 0 0 1 .016-.025V6.169h-2.4c.03.678 0 7.225 0 7.225h2.4z"/>

</svg>

</td>

</tr>

<tr>

<td>Navaneeth S</td>

<td>

<svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-linkedin" viewBox="0 0 16 16">

<path d="M0 1.146C0 .513.526 0 1.175 0h13.65C15.474 0 16 .513 16 1.146v13.708c0 .633-.526 1.146-1.175 1.146H1.175C.526 16 0 15.487 0 14.854V1.146zm4.943 12.248V6.169H2.542v7.225h2.401zm-1.2-8.212c.837 0 1.358-.554 1.358-1.248-.015-.709-.52-1.248-1.342-1.248-.822 0-1.359.54-1.359 1.248 0 .694.521 1.248 1.327 1.248h.016zm4.908 8.212V9.359c0-.216.016-.432.08-.586.173-.431.568-.878 1.232-.878.869 0 1.216.662 1.216 1.634v3.865h2.401V9.25c0-2.22-1.184-3.252-2.764-3.252-1.274 0-1.845.7-2.165 1.193v.025h-.016a5.54 5.54 0 0 1 .016-.025V6.169h-2.4c.03.678 0 7.225 0 7.225h2.4z"/>

</svg>

</td>

</tr>

<tr>

<td>Kousick Srinivas P</td>

<td>

<svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-linkedin"

```

viewBox="0 0 16 16">
    <path d="M0 1.146C0 .513.526 0 1.175 0h13.65C15.474 0 16 .513 16 1.146v13.708c0 .633-.526 1.146-1.175 1.146H1.175C.526 16 0 15.487 0 14.854V1.146zm4.943 12.248V6.169H2.542v7.225h2.401zm-1.2-8.212c.837 0 1.358-.554 1.358-1.248-.015-.709-.52-1.248-1.342-1.248-.822 0-1.359.54-1.359 1.248 0 .694.521 1.248 1.327 1.248h.016zm4.908 8.212V9.359c0-.216.016-.432.08-.586.173-.431.568-.878 1.232-.878.869 0 1.216.662 1.216 1.634v3.865h2.401V9.25c0-2.22-1.184-3.252-2.764-3.252-1.274 0-1.845.7-2.165 1.193v.025h-.016a5.54 5.54 0 0 1 .016-.025V6.169h-2.4c.03.678 0 7.225 0 7.225h2.4z"/>
    </svg>
    </a>
</td>
</tr>
<tr>
<td>Karuppiah AL </td>
<td>

```

```

    <a href="https://www.linkedin.com/in/karuppiah-al-97b405184"><svg
xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-linkedin"
viewBox="0 0 16 16">
    <path d="M0 1.146C0 .513.526 0 1.175 0h13.65C15.474 0 16 .513 16 1.146v13.708c0 .633-.526 1.146-1.175 1.146H1.175C.526 16 0 15.487 0 14.854V1.146zm4.943 12.248V6.169H2.542v7.225h2.401zm-1.2-8.212c.837 0 1.358-.554 1.358-1.248-.015-.709-.52-1.248-1.342-1.248-.822 0-1.359.54-1.359 1.248 0 .694.521 1.248 1.327 1.248h.016zm4.908 8.212V9.359c0-.216.016-.432.08-.586.173-.431.568-.878 1.232-.878.869 0 1.216.662 1.216 1.634v3.865h2.401V9.25c0-2.22-1.184-3.252-2.764-3.252-1.274 0-1.845.7-2.165 1.193v.025h-.016a5.54 5.54 0 0 1 .016-.025V6.169h-2.4c.03.678 0 7.225 0 7.225h2.4z"/>
    </svg>
    </a>
</td>
</tr>

```

```

</table>
</div>
<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
integrity="sha384-
IQsoLX15PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js" integrity="sha384-
cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bglldoEyl4H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>
</body>
</html>

```

Style.css

```

body {
    margin: 0px;
    padding: 0px;
    background-color: rgb(69, 54, 54);
}

```

```
}
* {
  box-sizing: border-box;
}
ul {
  list-style: none;
}
a {
  text-decoration: none !important;
}
nav {
  min-height: 60px;
  width: 100%;
  /* background-color: red; */
  /* border-top: 1px solid black !important; */
  position: relative;

  display: flex;
  justify-content: space-around;
  align-items: center;
  flex-flow: row wrap;
}
.logo h2 {
  font-size: 30px;
  font-weight: bold;
  font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, Oxygen, Ubuntu, Cantarell,
'Open Sans', 'Helvetica Neue', sans-serif;
  color: white !important;
  text-decoration: none !important;
  letter-spacing: 1px;
}

nav .menu {
  display: flex;
  flex-flow: row wrap;
  justify-content: center;
  align-items: center;
}
nav .menu li a {
  height: 35px;
  line-height: 30px;
  display: flex;
  text-transform: uppercase;
  align-items: center;
  padding: 0px 22px;
  font-size: 15px;
  font-weight: bold;
  color: white;
```

```
    font-family: 'Poppins', sans-serif;
    letter-spacing: 1px;
}
nav .menu li a:hover {
    color: black;
    background-color: white;
    border-radius: 20px;
}
#main {
    /* padding-top: 98px; */
}
.banner {
    height: 620px;
    width: 100%;
    display: flex;
    flex-wrap: column;
    justify-content: center;
    align-items: center;
    background-color: black;
    border: 1px solid rgb(98, 4, 4);
}
.banner img {
    height: 100%;
    width: 100%;
    padding: 2px;
}
.head-git{
    height: 40px;
    width: 100%;
    justify-content: center;
    align-items: center;
    background-color: rgb(250, 244, 244);
    display: flex;
    flex-flow: row;
    margin-bottom: 5px;
}
.head-git h2 {
    font-size: 18px;
    font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
    color: black;
}
.head-git h2 a {
    text-decoration: none ;
    color: blue;
    font-size: 23px;
}
.head-git h2 a:hover {
    color: rgb(211, 47, 41);
}
```

```
background-color: beige;
}
.nav-link {
height: 100%;
width: 100%;
color: black;
}
.head {
height: 50px;
width: 100%;
display: flex;
align-items: center;
justify-content: center;
color: white;
font-size: 30px;
font-weight: bold;
font-family: 'Times New Roman', Times, serif;
padding-left: 20px;
padding-top: 10px;
}
.wrapper {
height: 400px;
width: 100%;
display: flex;
align-items: center;
padding: 10px;
justify-content: space-between;
/* background-color: rgb(68, 47, 47); */
}
.wrapper .item {
height: 300px;
min-width: 30%;
border-radius: 20px;
margin: 10px;
box-shadow: 10px 10px 10px rgba(0, 0, 0, 0.4);
padding: 0.5px;
flex-flow: column wrap;
border-bottom: 1px white;
}
.wrapper .item img {
height: 100%;
width: 100%;
}
.c-box {
height: content;
max-width: 50%;
display: flex;
align-items: center;
```



```

padding: 10px;
flex-flow: column;
padding: 1px;
}
.c-box .content {
height: content;
min-width: 30%;
display: flex;
align-items: center;
flex-flow: row wrap;
}
.c-box .content p {
color: #fff;
font-size: 15px;
font-weight: bold;
font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unicode', Geneva,
Verdana, sans-serif;
}
.c-box .content h2 {
color: yellow;
font-size: 20px;
font-weight: bold;
font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unicode', Geneva,
Verdana, sans-serif;
}
.head-f{
height: 40px;
width: 100%;
justify-content: center;
align-items: center;
border-top: 2px solid black;
background-color: yellow;
display: flex;
flex-flow: column;
}
.head-f h2 {
font-size: 15px;
font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
color: black;
}

```

Style2.css

```

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, #0f0c29, #302b63, #24243e);
    }
    .main{
        width: 350px;
        height: 500px;
        background: red;
        overflow: hidden;
        background: url("https://doc-08-2c-
docs.googleusercontent.com/docs/securesc/68c90smiglihng9534mvqmq1946dmis5/fo0picsp1nhiucmc0l2
5s29respgr4j/1631524275000/03522360960922298374/03522360960922298374/1Sx0jhdpepnNIydS4r
nN4kHSJtU1EyWka?e=view&authuser=0&nonce=gcrocepqbb17m&user=03522360960922298374&has
h=tfhgbs86ka6divo3llbvp93mg4csvb38") 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;
        transition: .5s ease-in-out;
    }
    input{
        width: 60%;
        height: 20px;
        background: #e0dede;
        justify-content: center;
        display: flex;
        margin: 20px auto;
        padding: 10px;
        border: none;
        outline: none;
        border-radius: 5px;
    }
    button{
        width: 60%;

```

```

        height: 40px;
        margin: 10px auto;
        justify-content: center;
        display: block;
        color: #fff;
        background: #573b8a;
        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: #eee;
        border-radius: 60% / 10%;
        transform: translateY(-180px);
        transition: .8s ease-in-out;
    }
    .login label{
        color: #573b8a;
        transform: scale(.6);
    }

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

```

app.py

```

from cloudant.client import Cloudant
from cloudant.error import CloudantException
from cloudant.result import Result, ResultByKey
from flask import Flask, render_template, request
from newsapi import NewsApiClient

```

```

serviceUsername = "50ab9a31-993d-4eaf-abf1-21c6f737b08c-bluemix"

```

```

servicePassword = "6864bc1c41f5701310846a0a80700140c138e7c82b8c7f678ce5ab877f8b90b9"

```

```
serviceURL = "https://50ab9a31-993d-4eaf-abf1-21c6f737b08c-  
bluemix:6864bc1c41f5701310846a0a80700140c138e7c82b8c7f678ce5ab877f8b90b9@50ab9a31-993d-  
4eaf-abf1-21c6f737b08c-bluemix.cloudantnosqldb.appdomain.cloud"
```

```
client = Cloudant(serviceUsername, servicePassword, url=serviceURL)  
client.connect()
```

```
app = Flask(__name__)
```

```
@app.route("/news")
```

```
def news():
```

```
    api_key = '4f625485702d4929a546bcf4eb9d5c79'
```

```
    newsapi = NewsApiClient(api_key=api_key)
```

```
    top_headlines = newsapi.get_top_headlines(sources = "the-verge")
```

```
    all_articles = newsapi.get_everything(sources = "the-verge")
```

```
    t_articles = top_headlines['articles']
```

```
    a_articles = all_articles['articles']
```

```
    news = []
```

```
    desc = []
```

```
    img = []
```

```
    p_date = []
```

```
    url = []
```

```
    for i in range (len(t_articles)):
```

```
        main_article = t_articles[i]
```

```
        news.append(main_article['title'])
```

```
        desc.append(main_article['description'])
```

```
        img.append(main_article['urlToImage'])
```

```
        p_date.append(main_article['publishedAt'])
```

```
        url.append(main_article['url'])
```

```
    contents = zip( news,desc,img,p_date,url)
```

```
    news_all = []
```

```
    desc_all = []
```

```
    img_all = []
```

```
    p_date_all = []
```

```
    url_all = []
```

```
    for j in range(len(a_articles)):
```

```
        main_all_articles = a_articles[j]
```

```
        news_all.append(main_all_articles['title'])
```

```

desc_all.append(main_all_articles['description'])
img_all.append(main_all_articles['urlToImage'])
p_date_all.append(main_all_articles['publishedAt'])
url_all.append(main_article['url'])

all = zip( news_all,desc_all,img_all,p_date_all,url_all)

return render_template('home.html',all = all)

@app.route("/search",methods = ['POST', 'GET'])
def searchFunct():
    inputText = request.form['nm']
    api_key = '4f625485702d4929a546bcf4eb9d5c79'

    newsapi = NewsApiClient(api_key=api_key)

    top_headlines = newsapi.get_top_headlines(sources="bbc-news")
    all_articles = newsapi.get_everything(q=inputText)

    t_articles = top_headlines['articles']
    a_articles = all_articles['articles']

    news = []
    desc = []
    img = []
    p_date = []
    url = []

    for i in range (len(t_articles)):
        main_article = t_articles[i]

        news.append(main_article['title'])
        desc.append(main_article['description'])
        img.append(main_article['urlToImage'])
        p_date.append(main_article['publishedAt'])
        url.append(main_article['url'])

    contents = zip( news,desc,img,p_date,url)

    news_all = []
    desc_all = []
    img_all = []
    p_date_all = []
    url_all = []

    for j in range(len(a_articles)):
        main_all_articles = a_articles[j]

```

```

        news_all.append(main_all_articles['title'])
        desc_all.append(main_all_articles['description'])
        img_all.append(main_all_articles['urlToImage'])
        p_date_all.append(main_all_articles['publishedAt'])
        url_all.append(main_article['url'])

    all = zip( news_all,desc_all,img_all,p_date_all,url_all)

    return render_template('home.html', all = all)

def addNewUser(userName,userEmail,userPassword):
    jsontdata = { }
    jsontdata["userName"] = str(userName)
    jsontdata["userEmail"] = str(userEmail)
    jsontdata["userPassword"] = str(userPassword)

    myDataBase = client['database1']
    newDocument = myDataBase.create_document(jsontdata)

def authenticate(userName,userEmail):
    myDataBase = client['database1']
    result_collection = Result(myDataBase.all_docs, include_docs=True)
    for data in result_collection:

        if data['doc']['userName'] == str(userName):
            return True
        if data['doc']['userEmail'] == str(userEmail):
            return True
    return False

def authenticateLogin(userEmail,userPassword):
    myDataBase = client['database1']
    result_collection = Result(myDataBase.all_docs, include_docs=True)

    for data in result_collection:
        if data['doc']['userPassword'] == str(userPassword) and data['doc']['userEmail'] == str(userEmail):
            return True
    return False

@app.route("/login",methods = ['POST', 'GET'])
def loginUser():

    userEmail = request.form.get("email")
    userPassword = request.form.get("pswd")

    if(authenticateLogin(userEmail,userPassword)):

```

```
        return news()
    return render_template("index.html")

@app.route("/register",methods = ['POST', 'GET'])
def registerUserData():
    userName = request.form.get("un")
    userEmail = request.form.get("ue")
    userPassword = request.form.get("up")

    print(userEmail,userName,userPassword)
    if(authenticate(userName=userName,userEmail=userEmail)):
        return render_template("index.html")
    addNewUser(userName,userEmail,userPassword)
    return news()

@app.route("/")
def home():
    return render_template("index.html")

@app.route("/contact")
def hh():
    return render_template("contact.html")

if __name__ == '__main__':
    app.run(debug=True)
```

GitHub :

<https://github.com/IBM-EPBL/IBM-Project-26599-1664433061>

Project Demo Link:

<https://youtu.be/-QkvyB63LwI>