

NEWS TRACKER APPLICATION

Domain: CLOUD APPLICATION DEVELOPMENT

PROJECT REPORT

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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.... as on official websites.

1.2 PURPOSE:

A news application is a big interactive database that tells a news story. Think of it like you would any other piece of journalism. It just uses software instead of words and pictures. By showing each reader data that is specific to them, a news app can help each reader understand a story in a way that's personally meaningful to them. It can help a reader understand their personal connection to a broad national phenomenon, and help them attach what they know to what they don't know, and thereby encourage a deep understanding of abstract concepts. We tend to build news apps when we have a dataset (or think we can acquire a dataset) that is national in scope yet granular enough to expose meaningful details. A news app should tell a story, and just like any good news story, it needs a headline, a by-line, a lead, and a nut graph. Some of these concepts can be hard to distinguish in a piece of interactive software, but they're there if you look closely.

2 LITERATURE SURVEY

2.1 EXISTING PROBLEM:

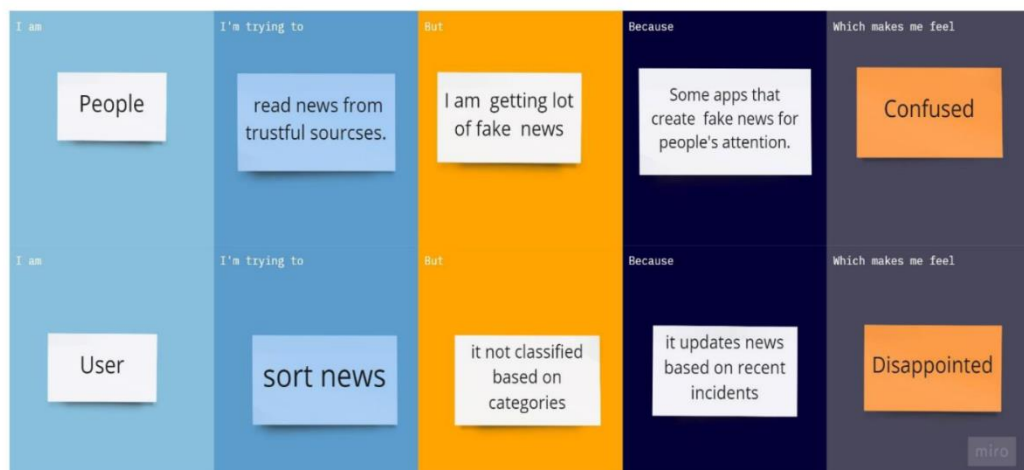
- Resources are provided by a number of different companies. Their platform differs and each will have slightly different search and export functions. The good news is that a number of newspapers are provided by some of the larger companies, e.g., Cengage, ProQuest.
- Can't cross-search all newspapers unless they are by the same provider (e.g., ProQuest, Nexis UK, Factiva)
- Missing content in digital editions of contemporary newspapers: whilst vast amounts of content are available some is missing. This is particularly true of pictures that appear in newspapers and content by freelance journalists. Copyright is often retained by the freelancer and as a result digitized versions are not able to make the freelance content available.
- Quality of scans is sometimes poor: text can be faint, the scan distorted due to tightly bound original, the original may be in poor condition already.

2.2 REFERENCES:

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

2.3 PROBLEM STATEMENT DEFINITION:

In our busy lives, we urge to do things in a short manner. We have no time to read the full newspaper. So, there is a need of news-sharing apps. 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 resources.



3 IDEATION AND PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS:

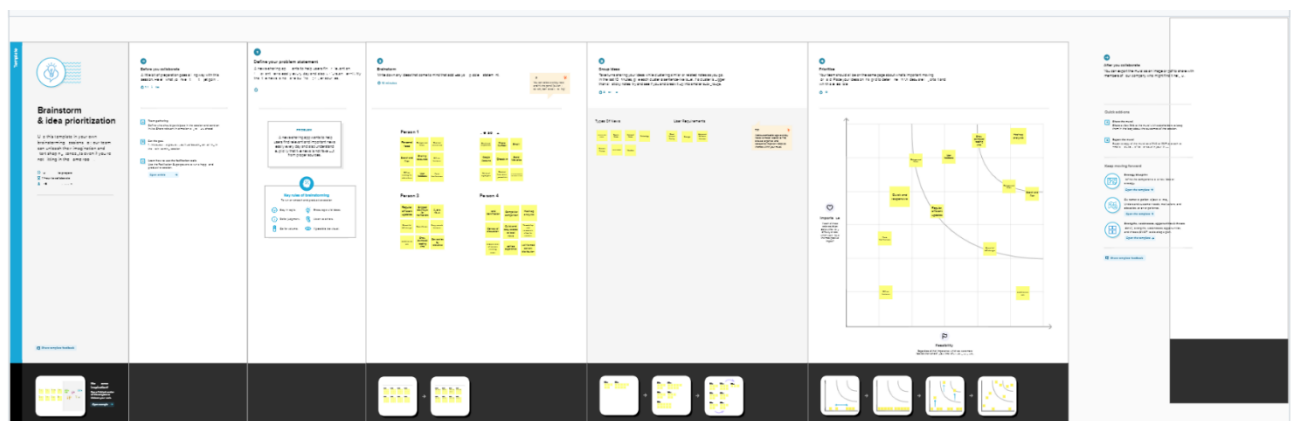
This map is created with view of the project in user's perspective, to find pain & gain points and to summarize it with a list of problem statements.



[Give feedback](#)

3.2 IDEATION AND BRAINSTORMING:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich number of creative solutions. Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

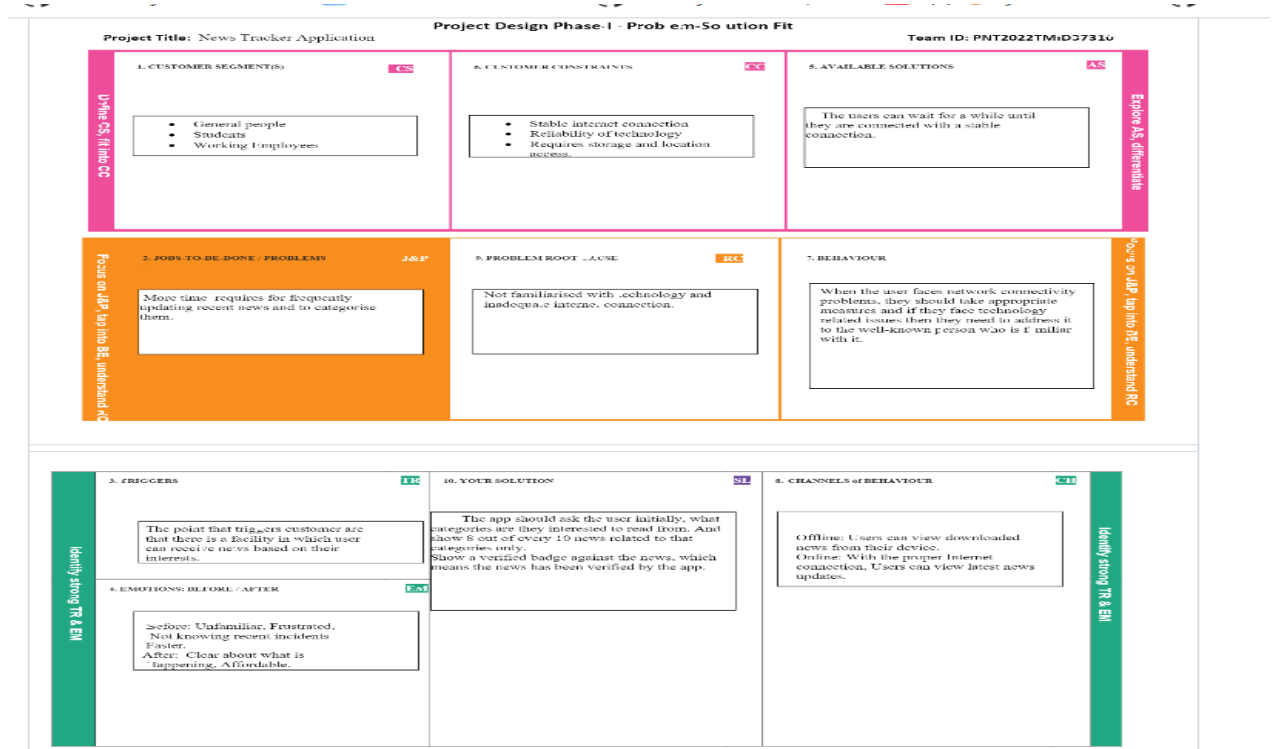


[Give feedback](#)

3.3 PROPOSED SOLUTION:

S.NO	Parameter	Description
1	Problem Statement (Problem to be solved)	In our busy lives, we urge to do things in a short manner. We have no time to read the full newspaper. So, there is a need of news-sharing apps. 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.
2	Idea / Solution description	The app includes news only from trustful sources. The goal is to create a News Feed app which gives a user regularly-updated news related to a particular topic, person, or location.
3	Novelty / Uniqueness	Customization, simplicity and well-rounded news app with no paywalls.
4	Social Impact / Customer Satisfaction	Aims to explore whether content is originality and user experience have positive effects on online news readers' satisfaction.
5	Business Model (Revenue Model)	It contains Advertising Revenue, online traffic, Digital content delivery, Continuous breaking news, Information Retrieval storage and Interactive Networking.
6	Scalability of the solution	To Withstand the heavy traffic, the system should primarily be scalable, be highly available and should be able to intelligently delegate the traffic to improve the overall performance." The result is a fast, scalable, cutting-edge engine which is built on a platform characterised as "Infinitely scalable"

3.4 PROBLEM SOLUTION FIT:



4 REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENT:

Following are the functional requirements of 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	The user could be allowed to login the application only with the valid Username and password
FR-4	Home Page	The app displays various Templates and Headlines of the news with related images.
FR-5	Content Page	The app shows the detailed description of the application when the user clicks on the headline.
FR-6	Feedback page	The user able to share opinion to solve their queries and to share their reviews.

4.2 NON-FUNCTIONAL REQUIREMENT:

Following are the non-functional requirements of proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application is used to read the updated news and also share them.
NFR-2	Security	Every user could use the app only after the Verification and Validation process.
NFR-3	Reliability	Our application displays news that received only from the trusted sources and the admin verifies each and every content shared in the app.
NFR-4	Performance	High performance is observed as no interruption while using the app.
NFR-5	Availability	Our application is platform independent which could be available to anyone and at any time.
NFR-6	Scalability	Search results are displayed within short span of time even with less bandwidth and high accuracy is observed.

5 PROJECT DESIGN

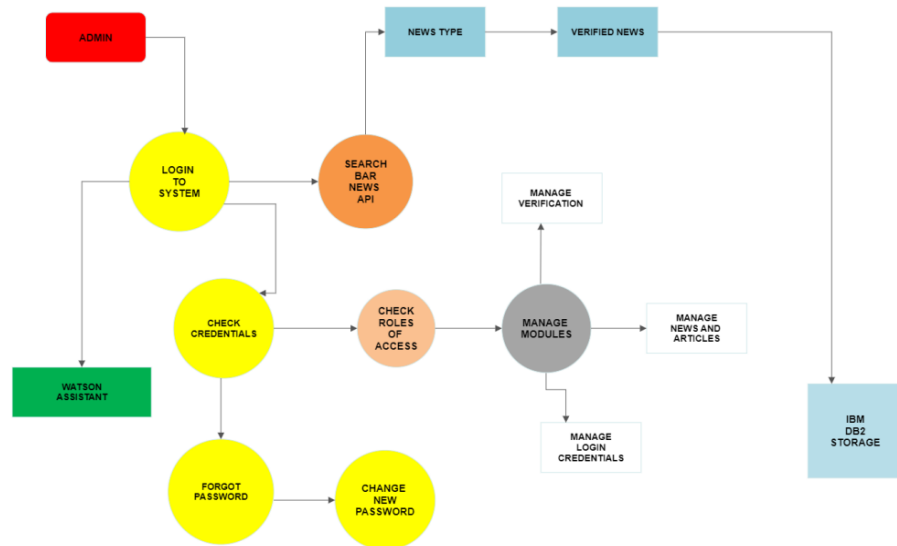
5.1 DATA FLOW DIAGRAM:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Data Flow Diagrams: NEWS TRACKER APPLICATION

Example: DFD Level 0 (Industry Standard)

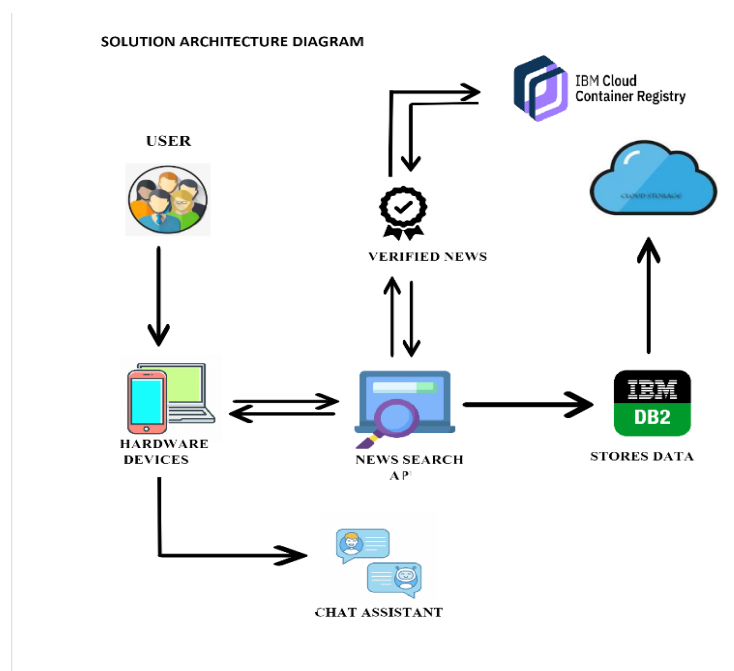




5.2 SOLUTION AND TECHNICAL ARCHITECTURE:

A solution architect needs to facilitate clear communication at the intersection of business needs and technology solutions.

- This solution helps the user to get news within their fingertips at an instant.
- The user login into the website through their hardware devices like mobile and laptop.
- Through the chat assistant they can access the news what they want.
- The chatbot is pre-coded and interconnected with news search API which is verified.
- This verified news are stored in the cloud which is fetched by the API and the user can access it through the hardware device.



5.3 USER STORIES

User Type	Functional Requirement (Epic)	User Story No.	User Story / Task	Acceptance Criteria	Priority	Release
Customer (Web user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Sprint 1
		USN-2	As a user, I can register for the application through Gmail	2	Low	Sprint 1
	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Sprint 1
	Dashboard	USN-4	As a user I should be able to navigate and access all the features hassle free	2	High	Sprint 2
	Layout	USN-5	As a user I should be able to access the portal with different devices with the same comfort	1	High	Sprint 2

6 PROJECT PLANNING AND SCHEDULING

6.1 SPRINT PLANNING AND ESTIMATION:

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

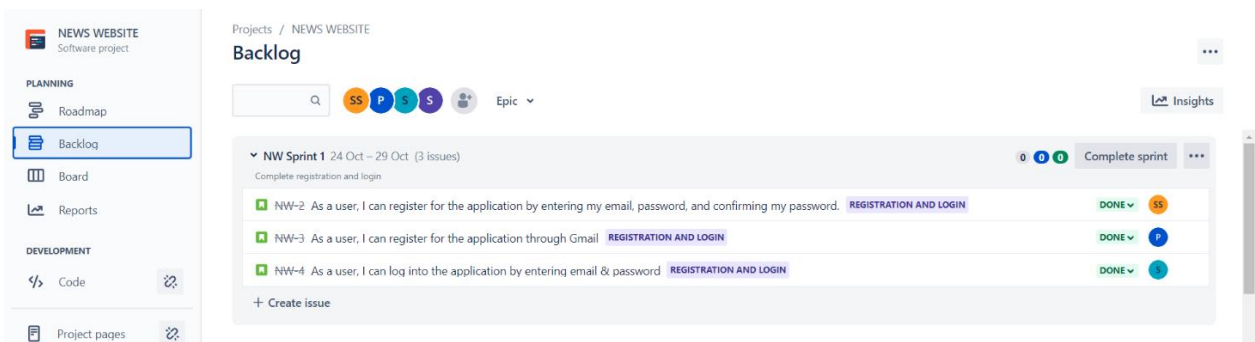
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Padmini S
Sprint-1		USN-2	As a user, I can register for the application through Gmail	2	Low	Sreedevi R
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Shanmugapriya K
Sprint-2	Dashboard	USN-4	As a user I should be able to navigate and access all the features hassle free	2	High	Sneha S
Sprint-2	Layout	USN-5	As a user I should be able to access the portal with different devices with the same comfort	1	High	Padmini S
Sprint-3	Data Store and retrieval	USN-6	Get Data from API and store as JSON in DB2	2	High	Sreedevi R
Sprint-3		USN-7	Get bin data from API and store in DB	2	High	Shanmugapriya K
Sprint-4	User credentials	USN-8	As an administrator I should be able to add, modify delete data.	1	Low	Sneha S
Sprint-4	Change code	USN-9	As an administrator I should be able to modify code according to the future requirements.	2	Medium	Padmini S
Sprint-4	Monitor the system	USN-10	As an administrator I should be able to monitor the cloud system and fix errors before customer notifies.	1	High	Shanmugapriya K
Sprint-4	Feedback	USN-11	As an administrator with the help of feedback, we can be able to update our website better.	1	Medium	Sreedevi R

6.2 SPRINT DELIVERY SCHEDULE:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date(Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	3	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	4	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	5	19 Nov 2022

6.3 REPORTS FROM JIRA:

6.3.1 SPRINT 1

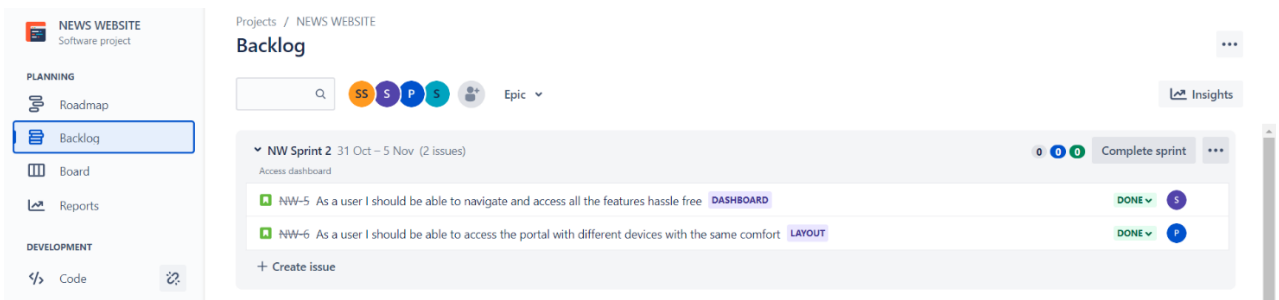


The screenshot shows the Jira interface for the 'NEWS WEBSITE' project. The left sidebar contains navigation options: PLANNING (Roadmap, Backlog, Board, Reports), DEVELOPMENT (Code, Project pages), and a search bar. The main area displays the 'Backlog' for 'NW Sprint 1' (24 Oct – 29 Oct, 3 issues). The issues listed are:

- NW-2: As a user, I can register for the application by entering my email, password, and confirming my password. (REGISTRATION AND LOGIN) - DONE
- NW-3: As a user, I can register for the application through Gmail. (REGISTRATION AND LOGIN) - DONE
- NW-4: As a user, I can log into the application by entering email & password. (REGISTRATION AND LOGIN) - DONE

Each issue has a 'DONE' status and a 'P' (Priority) icon. A '+ Create issue' button is at the bottom.

6.3.2 SPRINT 2

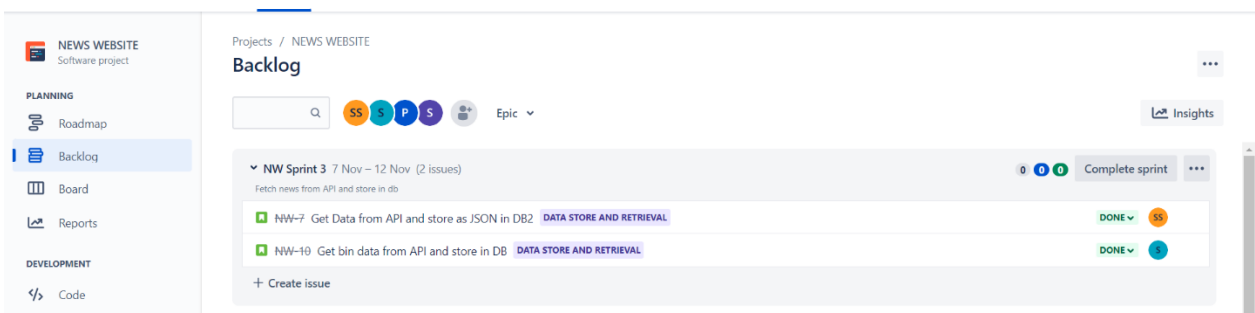


The screenshot shows the Jira interface for the 'NEWS WEBSITE' project. The left sidebar contains navigation options: PLANNING (Roadmap, Backlog, Board, Reports), DEVELOPMENT (Code, Project pages), and a search bar. The main area displays the 'Backlog' for 'NW Sprint 2' (31 Oct – 5 Nov, 2 issues). The issues listed are:

- NW-5: As a user I should be able to navigate and access all the features hassle free. (DASHBOARD) - DONE
- NW-6: As a user I should be able to access the portal with different devices with the same comfort. (LAYOUT) - DONE

Each issue has a 'DONE' status and a 'P' (Priority) icon. A '+ Create issue' button is at the bottom.

6.3.3 SPRINT 3

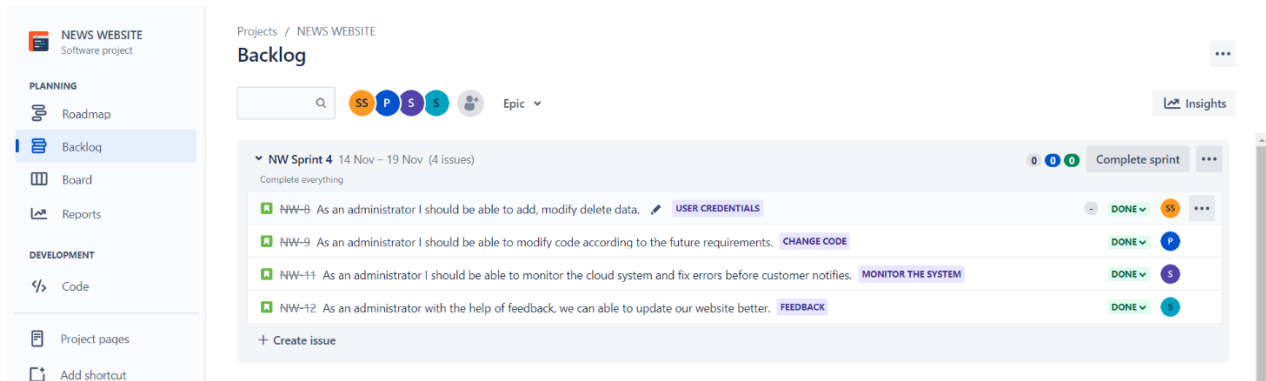


The screenshot shows the Jira interface for the 'NEWS WEBSITE' project. The left sidebar contains navigation options: PLANNING (Roadmap, Backlog, Board, Reports), DEVELOPMENT (Code, Project pages), and a search bar. The main area displays the 'Backlog' for 'NW Sprint 3' (7 Nov – 12 Nov, 2 issues). The issues listed are:

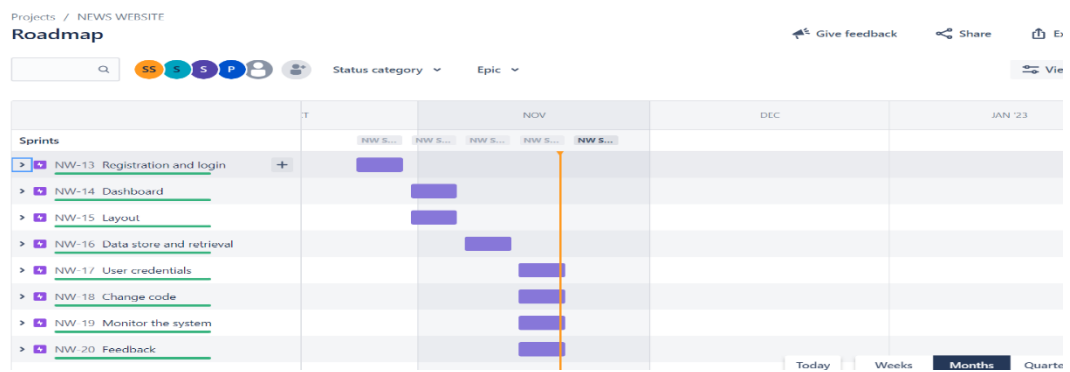
- NW-7: Get Data from API and store as JSON in DB2. (DATA STORE AND RETRIEVAL) - DONE
- NW-10: Get bin data from API and store in DB. (DATA STORE AND RETRIEVAL) - DONE

Each issue has a 'DONE' status and a 'P' (Priority) icon. A '+ Create issue' button is at the bottom.

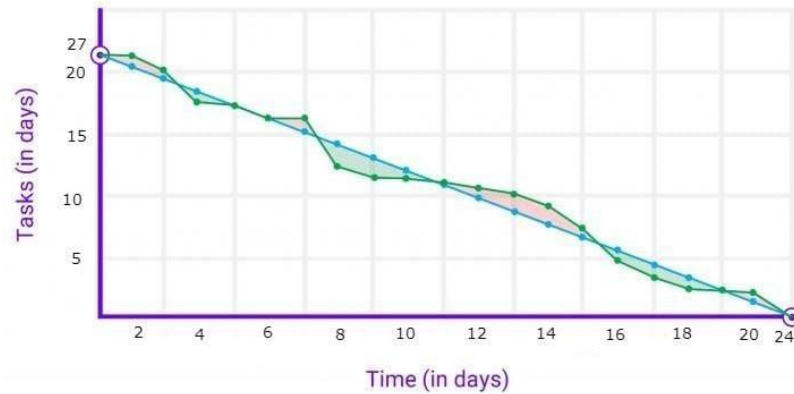
6.3.4 SPRINT 4



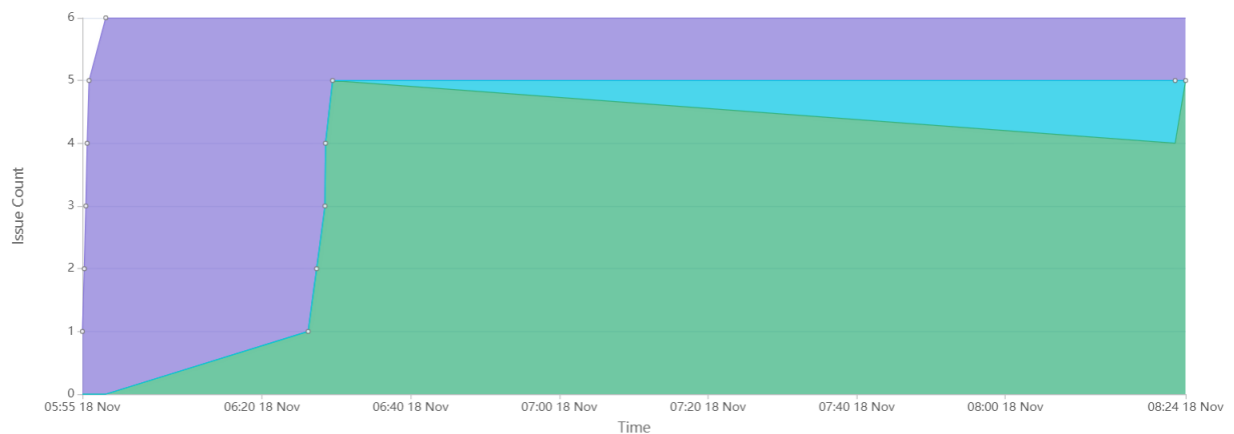
ROADMAP



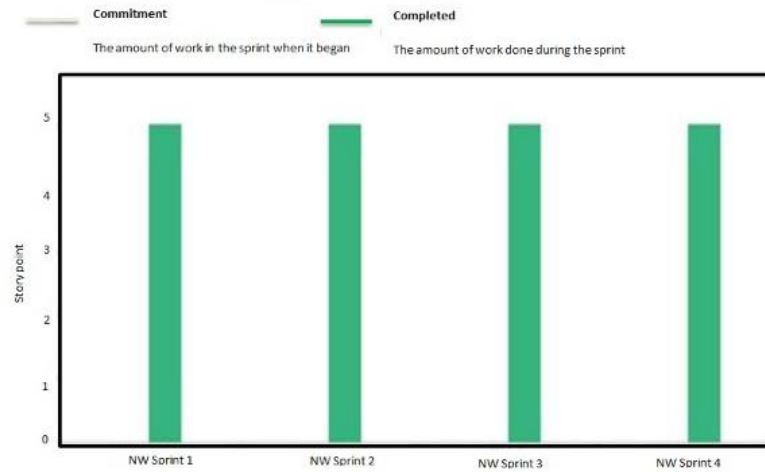
BURNDOWN CHART



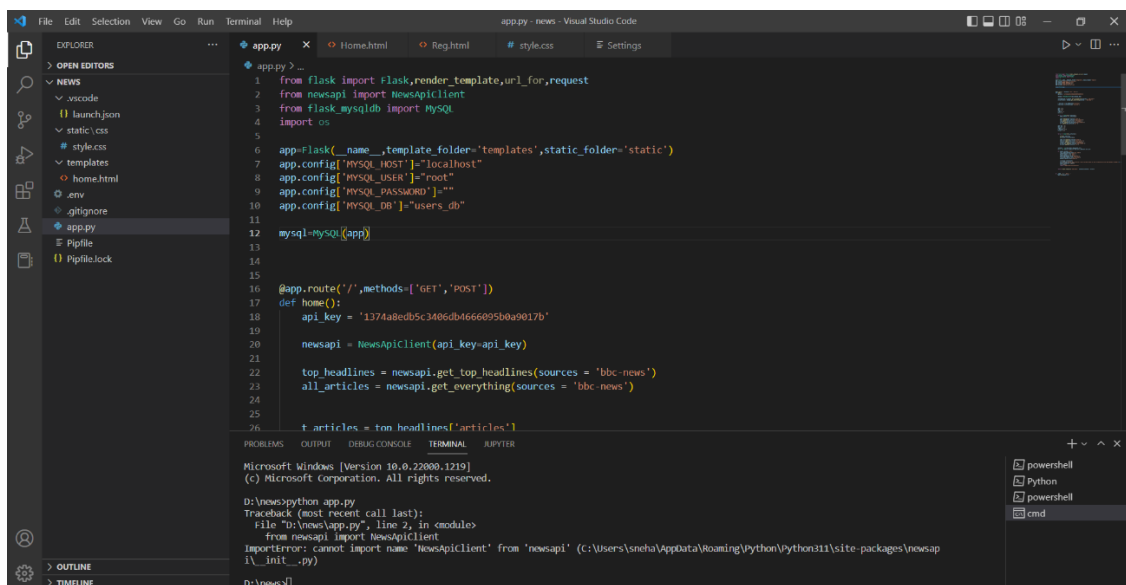
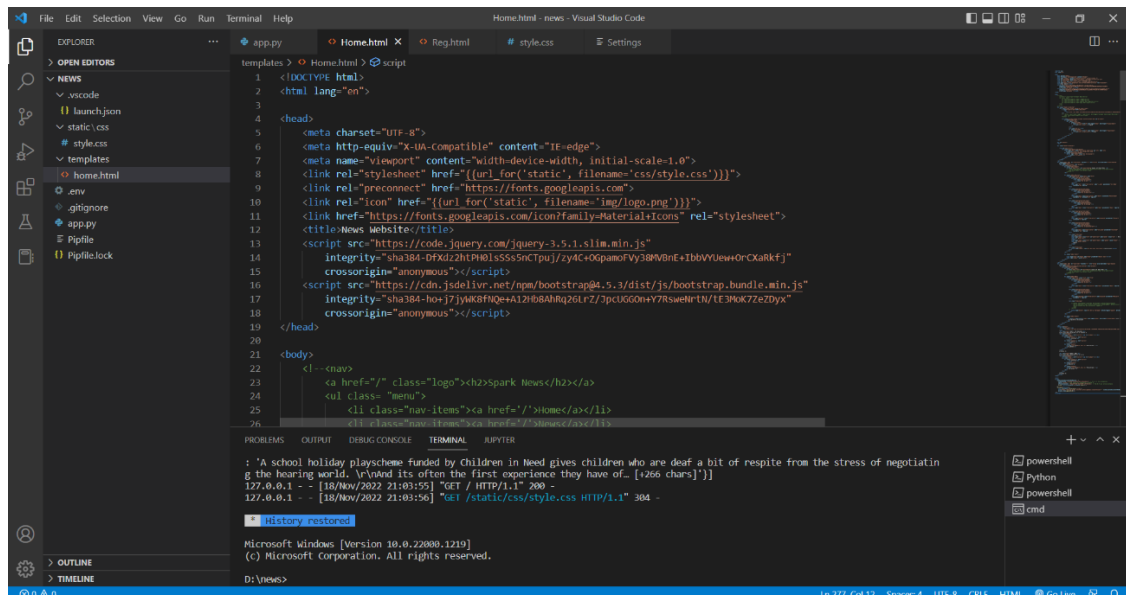
CUMULATIVE FLOW DIAGRAM



VELOCITY CHART



7 CODING AND SOLUTIONING



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	13	2	2	4	21
Duplicate	1	0	2	0	3
External	2	4	1	5	12
Fixed	14	3	2	18	37
Not Reproduced	1	0	1	0	2
Skipped	3	0	1	1	5
Won't Fix	2	3	2	2	9
Totals	36	12	11	30	89

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	10	0	2	8
Client Application	30	0	5	25
Security	1	0	0	1

Outsource Shipping	4	0	0	4
Exception Reporting	5	0	0	5
Final Report Output	5	0	0	5
Version Control	2	0	0	2

9 RESULTS

9.1 PERFORMANCE METRICES



Signup

Signup | Login

Signup with Spark News

Full Name

Phone Number

Email

Password

City Name

I'm a

Male

Female

Create Account

Search

Login with Spark News

Email

Password

Click to Login


Click here to register a new account

X Close

Hi! I'm a virtual assistant.
How can I help you today?

iot-foundation-wks... Gmail YouTube Maps IBM IBM-Project-6906-1... IBM Cloud Account Galaxy-News-07/st... (5) Python Flask... IBM-Project-7934-1... Project Documenta...

TODAY'S TOP HEADLINES




BBC NEWS

North Korea's leader Kim reveals his daughter in rare appearance

North Korea's leader stood hand-in-hand with the girl during a ballistic missile test on Friday.

Publish Date:2022-11-19T04:52:15.4131796Z



Naomi Biden: Biden's granddaughter t


Joe Biden's granddaughter gets married at America's m
knot there?

Publish Date:2022-11-19T03:52:17.7730142Z

X Close

Hi! I'm a virtual assistant.
How can I help you today?


TODAY'S NEWS



The headline acts in the men's & women's finals

Who are the headline acts - and the players who might make the difference - in the men's and women's Rugby League World Cup finals on Saturday?

Publish Date:2022-11-19T06:16:18Z



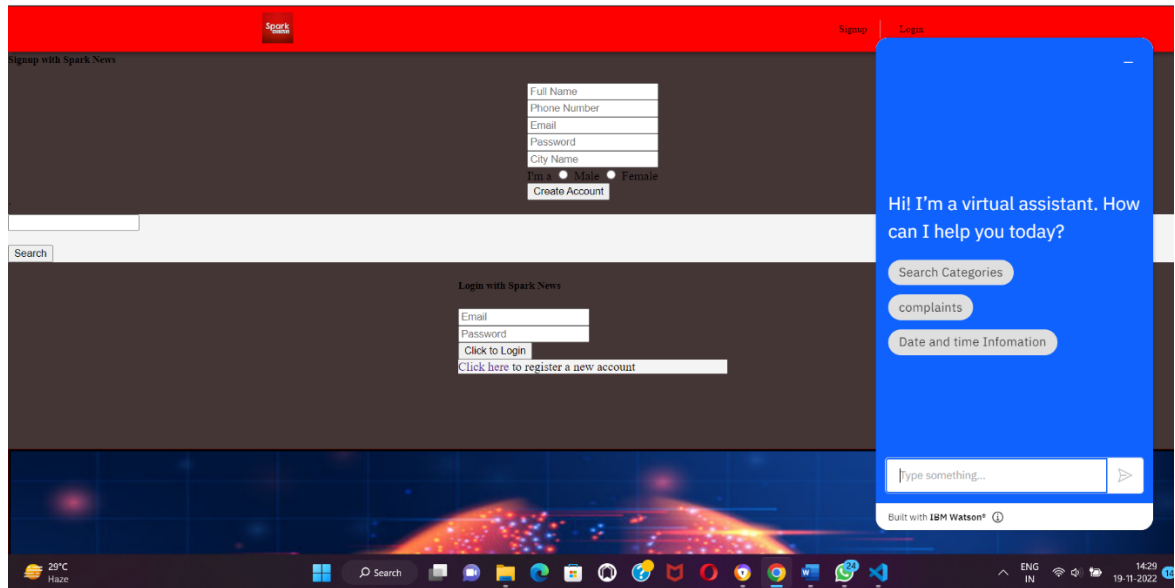
Lineker's emotion at Engla

Gary Lineker, Alan Shearer and Micah Richards reflect on Englanu's unforgettable first world Cup penalty shootout win.

Publish Date:2022-11-19T06:08:58Z

X Close

Hi! I'm a virtual assistant.
How can I help you today?



10 ADVANTAGES AND DISADVANTAGES

ADVANTAGES:

- **No extra cost involved** - Viewers can get their news straight off their smartphone or tablet computer.
- **Diversity of News** - The wide range of access points also contributes to the success of the online newspaper. News is at their fingertips in an instant.
- **In-Depth information** - An online newspaper can be read more elaborate than a printed newspaper.
- **24x7 updates** - If it is a busy news day and content online is already overflowing, some smaller news items may never make it on the web, leaving online readers slightly less informed than print readers.
- **Accessibility** - Most newspapers still offer free online access to most news stories covering all news stories in brief.

DISADVANTAGES:

- Require data/wi-fi to get online.
- Companies not making as much money due to free reading for audiences.
- News spreads quicker online - people find out news before they should.
- Older audiences may not access digital platforms.
- Costly to maintain.

11 CONCLUSION

In the early 21st century, newspapers face discursive competition as never before. In the commercial and ideological 'attention economy', online newspapers must compete not only with a much greater number of newspapers in a globalised market, but also with other fora accessed through other media, both traditional (e.g., television, radio) and emerging (e.g., mobile phones and other portable devices). Newspapers have always depended for their survival on being at the edge of information construction and distribution, and the institutionalised power and adaptability of newspapers remain as strengths. The speed of the evolution of the macro-genre of the online newspaper is remarkable. People can read the news relevant to their choice at a single click and in a very little time stamp.

12 FUTURE SCOPE

Online news portal design is an essential because the future belongs to the online not to the print. The explosive growth in the usage of mobile devices for news and information during the past years persistently boosted the newspaper digital audience. Online news portal will have a good time now and, in the future, as well. Newspapers and magazines, even businesses, are coming to knock your door. According to the studies and surveys, the trend is going to increase in the future and there is seen no any sign of decrease.

13 APPENDIX

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>News Website</title>
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-
ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx"
    crossorigin="anonymous"></script>
</head>

<body>
  <!--<nav>
```

```

<a href="/" class="logo"><h2>Spark News</h2></a>
<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='register.html'>Register</a></li>
  <li class="nav-items"><a href='login.html'>Login</a></li>
</ul>
</nav>
//-->
<div class="header sticky-top">
  <nav class="navbar navbar-expand-md navbar-light">
    <a class="navbar-brand" href="index.html">
      
      </a>
      <!-- <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#my-navbar">
        <span class="navbar-toggler-icon"></span>
      </button> -->

      <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
        <ul class="navbar-nav">
          <div class="flexNav">
            <li class="nav-item">
              <a class="nav-link" href="#" data-toggle="modal" data-
target="#signup-modal">
                <i class="fas fa-user"></i>Signup
              </a>
            </li>
            <div class="nav-vl"></div>
            <li class="nav-item">
              <a class="nav-link" href="#" data-toggle="modal" data-
target="#login-modal">
                <i class="fas fa-sign-in-alt"></i>Login
              </a>
            </li>
          </div>
        </ul>
      </div>
    </nav>
  </div>

  <div id="loading">
  </div>

  <div class="banner-container">

    <form id="search-form">
      <div class="input-group city-search">
        <input type="text" class="form-control input-city" id='city' name='city'
placeholder="Enter the news category you need" />
        <div class="input-group-append">
          <button type="submit" class="btn btn-secondary">

```

```

        <i class="fa fa-search"></i>
    </button>
</div>
</div>
</form>
</div>
<div class="modal fade" id="signup-modal" tabindex="-1" role="dialog" aria-
labelledby="signup-heading"
    aria-hidden="true">
    <div class="modal-dialog" role="document">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="signup-heading">Signup with Spark News
</h5>
                <!-- <button type="button" class="close" data-dismiss="modal" aria-
label="Close">
                    <span aria-hidden="true">&times;</span>
                </button> -->
            </div>

            <div class="modal-body flex">
                <form id="signup-form" class="form" role="form">
                    <div class="input-group form-group">
                        <div class="input-group-prepend">
                            <span class="input-group-text">
                                <i class="fas fa-user"></i>
                            </span>
                        </div>
                        <input type="text" class="form-control" name="x`_name"
placeholder="Full Name"
                            maxlength="30" required>
                    </div>

                    <div class="input-group form-group">
                        <div class="input-group-prepend">
                            <span class="input-group-text">
                                <i class="fas fa-phone-alt"></i>
                            </span>
                        </div>
                        <input type="text" class="form-control" name="phone"
placeholder="Phone Number"
                            maxlength="10" minlength="10" required>
                    </div>

                    <div class="input-group form-group">
                        <div class="input-group-prepend">
                            <span class="input-group-text">
                                <i class="fas fa-envelope"></i>
                            </span>
                        </div>
                        <input type="email" class="form-control" name="email"
placeholder="Email" required>
                    </div>
                </form>
            </div>
        </div>
    </div>
</div>

```

```

        <div class="input-group form-group">
            <div class="input-group-prepend">
                <span class="input-group-text">
                    <i class="fas fa-lock"></i>
                </span>
            </div>
            <input type="password" class="form-control" name="password"
placeholder="Password"
                minlength="6" required>
        </div>

        <div class="input-group form-group">
            <div class="input-group-prepend">
                <span class="input-group-text">
                    <i class="fas fa-map-marker-alt"></i>
                </span>
            </div>
            <input type="text" class="form-control" name="City_name"
placeholder="City Name"
                maxlength="150" required>
        </div>

        <div class="form-group">
            <span>I'm a</span>
            <input type="radio" class="ml-3" id="gender-male"
name="gender" value="male" /> Male
            <label for="gender-male">
            </label>
            <input type="radio" class="ml-3" id="gender-female"
name="gender" value="female" />
            <label for="gender-female">
                Female
            </label>
        </div>

        <div class="form-group">
            <button type="submit" class="btn btn-block btn-primary">Create
Account</button>
        </div>
    </form>
</div>
<div class="modal-footer">
    <input type="text" id="fname" name="fname",placeholder="Search
news"><br><br>
    <input type="submit" value="Search">
</div>
</div>
</div>
<div class="modal fade" id="login-modal" tabindex="-1" role="dialog" aria-
labelledby="login-heading"
    aria-hidden="true">

```

```

<div class="modal-dialog modal-dialog-centered" role="document">
  <div class="modal-content">
    <div class="modal-header">
      <h5 class="modal-title" id="login-heading">Login with Spark News </h5>
      <!-- <button type="button" class="close" data-dismiss="modal" aria-
label="Close">
        <span aria-hidden="true">&times;</span>
      </button> -->
    </div>

    <div class="modal-body">
      <form id="login-form" class="form" role="form">
        <div class="input-group form-group">
          <div class="input-group-prepend">
            <span class="input-group-text">
              <i class="fas fa-user"></i>
            </span>
          </div>
          <input type="email" class="form-control" name="email"
placeholder="Email" required>
        </div>

        <div class="input-group form-group">
          <div class="input-group-prepend">
            <span class="input-group-text">
              <i class="fas fa-lock"></i>
            </span>
          </div>
          <input type="password" class="form-control" name="password"
placeholder="Password"
            minlength="6" required>
        </div>

        <div class="form-group">
          <!--<button type="button" class="btn btn-secondary" data-bs-
toggle="popover"
            data-bs-placement="right" data-bs-custom-class="custom-
popover" data-bs-title="Login"
            data-bs-content="You have successfully logged in">
            Login
          </button>
          -->
          <button type="button" class="btn btn-lg btn-danger" data-bs-
toggle="popover" data-bs-title="Success!" data-bs-content="You have Logged in">Click to
Login</button>
        </div>
      </form>
    </div>

    <div class="modal-footer">
      <span>
        <a href="#" data-dismiss="modal" data-toggle="modal" data-
target="#signup-modal">Click here</a>

```



```

    integrationID: "7fc1e5ba-ffcd-42be-8d33-879a3e0dbcc9", // The ID of this
integration.
    region: "jp-tok", // The region your integration is hosted in.
    serviceInstanceID: "19bdae9f-0d89-4db4-8599-cc67fe84c5ec", // The ID of your service
instance.
    onLoad: function(instance) { instance.render(); }
  };
  setTimeout(function(){
    const t=document.createElement('script');
    t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>

```

Reg.html

```

<h1>Registration form</h1>

<form method ="post" action="/">
  <input type ="text" name ="full_name" required />
  <br><br>
  <input type ="number" name ="phone" required />
  <br><br>
  <input type ="email" name ="email" required />
  <br><br>
  <input type ="password" name ="password" required />
  <br><br>
  <input type ="text" name ="City_name" required />
  <br><br>
  <input type="radio" class="ml-3" id="gender-male" name="gender" value="male" /> Male
  <label for="gender-male">
</label>
  <input type="radio" class="ml-3" id="gender-female" name="gender" value="female" />
  <label for="gender-female">
Female
</label>
  <br><br>
  <input type="submit" />

</form>

```

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;
}

nav {
  min-height: 60px;
  width: 100%;
  background-color: red;
  border-top: 1px solid black !important;
  position: absolute;
  box-shadow: 3px 3px 5px rgba(0, 0, 0, 0.4);
  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;
  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;
}

.page-container {
  max-width: 800px;
  padding: 80px 24px;
  margin: auto;
}

@media (max-width: 768px) {
  .page-container {
    padding: 64px 24px;
  }
}

.white {
  color: #ffffff;
}

#loading {
  display: none;
  background-color: #666666;
  background-image: url("../img/progress_spinner.gif");
  background-repeat: no-repeat;
  background-position: center;
  opacity: 0.4;
  position: fixed;
  top: 0px;
  right: 0px;
```

```

width: 100%;
height: 100%;
z-index: 10000000;
}

/* Login Modal */
#login-modal .modal-dialog {
width: 350px;
margin: auto;
}

.modal-footer {
background-color: #f4f4f4;
justify-content: center;
align-items: auto;
/* margin: auto; */
}

/* Header */
.header {
background-color: white;
font-size: 13px;
}

.header .navbar .navbar-brand img {
height: 40px;
}

.header .navbar .nav-item i {
margin-right: 8px;
}

.header .nav-vl {
border-left: 2px solid #d6d6d678;
height: 24px;
margin: auto 16px;
display: block;
}

@media(max-width:768px) {
.banner-container {
padding: 100px 15px;
}
}

.custom-popover {
--bs-popover-max-width: 200px;
--bs-popover-border-color: var(--bs-primary);
--bs-popover-header-bg: var(--bs-primary);
--bs-popover-header-color: var(--bs-white);
--bs-popover-body-padding-x: 1rem;
--bs-popover-body-padding-y: .5rem;
}

```

```

.flex {
    display: flex;
    width: 100%;
    flex-direction: column;
    justify-content: center;
    align-items: center;
}

.close {
    margin: auto;
}

.flexNav {
    display: flex;
    justify-content: space-around;
    align-items: center;
}

```

App.py

```

from flask import Flask,render_template,url_for,request
from newsapi import NewsApiClient
from flask_mysqldb import MySQL
import os

app=Flask(__name__,template_folder='templates',static_folder='static')
app.config['MYSQL_HOST']="localhost"
app.config['MYSQL_USER']="root"
app.config['MYSQL_PASSWORD']=" "
app.config['MYSQL_DB']="users_db"

mysql=MySQL(app)

@app.route('/',methods=['GET','POST'])
def home():
    api_key = '1374a8edb5c3406db4666095b0a9017b'

    newsapi = NewsApiClient(api_key=api_key)

    top_headlines = newsapi.get_top_headlines(sources = 'bbc-news')
    all_articles = newsapi.get_everything(sources = 'bbc-news')

    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'])

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

for j in range(len(a_articles)):

    print(a_articles)
    a_article = a_articles[j]

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

contents = zip(news,desc,img,p_date,url)
all = zip( news_all,desc_all,img_all,p_date_all,url_all)

if request.method=='POST':
    full_name=request.form['full_name']
    phone=request.form['phone']
    email=request.form['email']
    password=request.form['password']
    City_name=request.form['City_name']
    gender=request.form['gender']

    cur=mysql.connection()
    cur.execute("INSERT INTO register
(user_id,name,phone_no,mail_id,password,city_name,gender) VALUES
(%d,%s,%d,%s,%s,%s,%s)",(full_name,phone,email,password,City_name,gender))
    mysql.connection.commit()
    cur.close()
    return "Registered successfully"

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

```

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

GitHub Link:

<https://github.com/IBM-EPBL/IBM-Project-6906-1658842491>

Project Demo Link:

https://drive.google.com/file/d/1X0SG7JmDhw_gf12pCzw4FOP7DbYcXWoS/view