**NEWS TRACKER APPLICATION**

**1. INTRODUCTION**

**1.1 PROJECT OVERVIEW:**

News is one of the primary source of gaining information about the actions and events that happen all around. It may be an event that happened in the past, happening now or going to happen in the future. In the present days where there is a rapid increase in the development and adaptability of technologies throughout all the demographic of people, it is necessary to provide news in such a way that it is interconnected with the current technological trends. 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.

Digital news continues to evolve, encouraged by a various innovations in recent time, from groundbreaking new technologies like virtual reality and automated reporting to experiments on social platforms that have altered campaign coverage. Topic detection and tracking is challenging topic in information retrieval technology that can be used in the text mining. In topic detection we finding the most important topics in a collection of news articles. Our approach combines a variety of learning techniques. Topic detection is an unsupervised task and topic tracking is supervised task. We are going to use agglomerative clustering to create topic clusters and KNN classifier for tracking topics. To identify the serious news, we identify the clusters that fall into same category.

The corpus considered the news from a large number of internet news sites from across the world like Times of India and CNN, and of various subscription news wires. Thus the collection of different news from different source has same events. Newspapers normally receive the news from various news agencies with very few changes. Thus the corpus of news articles contains the same events written by different journalists which must be eliminated from the collection.

**1.2 PURPOSE:**

This will help the users to share news on various platforms such as Twitter and Face book. This will not only give an amazing user experience and also will also increase the views. 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.

**LITERATURE SURVEY**

**2.1 EXISTING PROBLEM:**

News break is a popular website to read ongoing and past news via the internet browsers. The website works by aggregating news from various sources and presents them in a likeable manner for the users to read it. The website also offers the ability for users to sign up to the son said website and record their progress, manage profiles, no. of news read, bookmark news, commenting on news ends and so on.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No | **Paper Title** | **Author(s)** | **Month**  **/Year** | **Method/Implementa**  **tion technique(s)** | **Resource Link** |
| 1 | Exploring mobile news reading interactions for news app personalisation | Marios Constantinide s, John Dowell, David Johson, Sylvain Malacria | Augus t, 2015 | 1. Identiﬁcation of news reader types 2. Interaction logging and classiﬁcation study 3. Deployment and data collection 4. Predicting News reader types 5. Adaptive UI | [(PDF) Exploring](https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation) [mobile news reading](https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation) [interactions for news](https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation) [app personalisation](https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation) [(researchgate.net)](https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation) |
| 2 | Detection and Tracking in News Articles | Sagar Patel, Sanket Suthar, Sandip Patel, Neha Patel | March, 2015 | 1. Pre- processing 2. Tokenization 3. Stemming/L emmization 4. Vector Space Model 5. Topic   tracking | [(PDF) Topic Detection](https://www.researchgate.net/publication/315657099_Topic_Detection_and_Tracking_in_News_Articles) [and Tracking in News](https://www.researchgate.net/publication/315657099_Topic_Detection_and_Tracking_in_News_Articles) [Articles](https://www.researchgate.net/publication/315657099_Topic_Detection_and_Tracking_in_News_Articles) [(researchgate.net)](https://www.researchgate.net/publication/315657099_Topic_Detection_and_Tracking_in_News_Articles) |
| 3 | Following the Fed with a News Tracker | Michael William McCracken | Januar y, 2012 | The paper is not a technical paper but is essentially a statistical paper on how should one conclude whether the data have come in stronger, weaker or as expected. This is based on the CitiGroup U.S Economic Surprise Index. | [(PDF) Following the](https://www.researchgate.net/publication/227438253_Following_the_Fed_with_a_News_Tracker) [Fed with a News](https://www.researchgate.net/publication/227438253_Following_the_Fed_with_a_News_Tracker) [Tracker](https://www.researchgate.net/publication/227438253_Following_the_Fed_with_a_News_Tracker) [(researchgate.net)](https://www.researchgate.net/publication/227438253_Following_the_Fed_with_a_News_Tracker) |
| 4 | An End-to-end Weakly- supervised News Aggregation Framework | Xijin Tang, Xiaohui Huang | June, 2022 | The framework combines Snorkel- based weakly- supervised  classiﬁcation, Latent Dirichlet Allocation  (LDA) topic modeling, and topic signal detection model to classify and  aggregate unlabeled news texts and ultimately generate visualized results containing news categories, news topics, and temporal topic relationships. This paper uses constructed  knowledge thesaurus and the Snorkel method to weakly supervise the classiﬁcation of unlabeled news with no manual tagging.  Subsequently, we utilize LDA to  generate the topics and obtain the signal value of each topic  based on the topic signal detection  function. Finally, we establish the | [An End-to-end Weakly-](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework) [supervised News](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework) [Aggregation](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework) [Framework | Request](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework) [PDF](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework)  [(researchgate.net)](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework) |

**2.2 REFERENCES:**

1. Kumar: Text Data Pre-processing and Dimensionality Reduction Techniques for Document Clustering Sri Sivani College of Engineering Sri Sivani College of Engineering, vol. 1, no. 5, pp. 1–6 (2012)

2. Saha, Ankan, and Vikas Sindhwani: Learning evolving and emerging topics in social media: a dynamic nmf approach with temporal regularization. In Proceedings of the fifth ACM international conference on Web search and data mining, pp. 693-702. ACM (2012)

3. Acun, A. Ba, O. Ekin, M. İ. Saraç, and F. Can: Topic Tracking Using Chronological Term Ranking, vol. 25 (2011)

4. Pouliquen, R. Steinberger, C. Ignat, E. Käsper, and I. Temnikova: Multilingual and cross-lingual news topic tracking (1998)

5. Elkan: Text mining and topic models The multinomial distribution (2013)

6. Aksoy, F. Can, and S. Kocberber: Novelty Detection for Topic Tracking, vol. 63, no. 4, pp. 777–795 (2012)

7. Juha Makkonen : Semantic Classes in Topic Detection and Tracking (2009)

8. Cieri, D. Graff, M. Liberman, N. Martey, and S. Strassel: Large , Multilingual , Broadcast News Corpora For Cooperative Research in Topic Detection And Tracking : The TDT-2 and TDT-3 Corpus Efforts, no. January 1998 (1999)

9. Eichmann, David, Miguel Ruiz, Padmini Srinivasan, Nick Street, Chris Culy, and Filippo Menczer: A cluster-based approach to tracking, detection and segmentation of broadcast news. In Proceedings of the DARPA Broadcast News Workshop, pp. 69-76. (1999).

10. Perez-Tellez, Fernando, David Pinto, John Cardiff, and Paolo Rosso: Clustering weblogs on the basis of a topic detection method. In Mexican Conference on Pattern Recognition, pp. 342-351. Springer Berlin Heidelberg (2010)

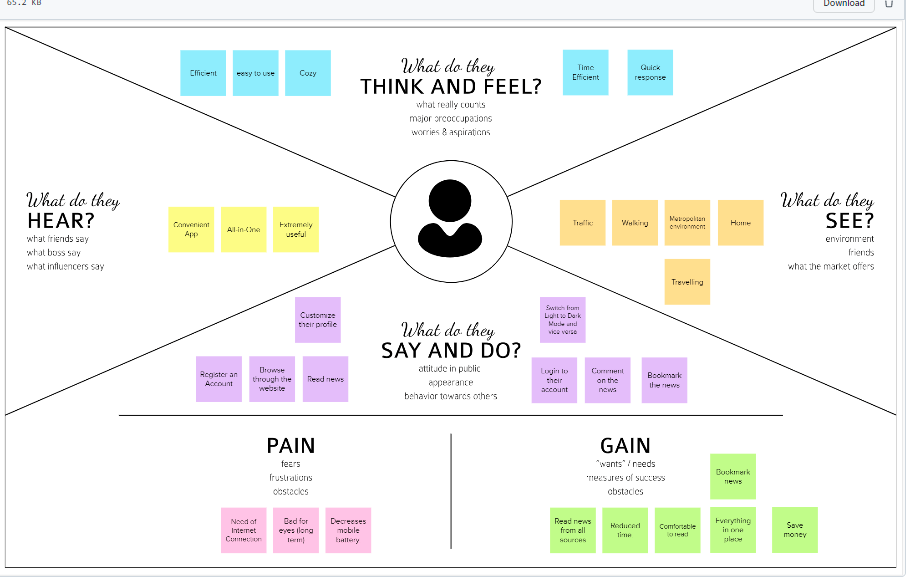
**2.3 PROBLEM STATEMENT DEFINITION:**

* Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.
* A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you’ll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.



**IDEATION & PROPOSED SOLUTION**

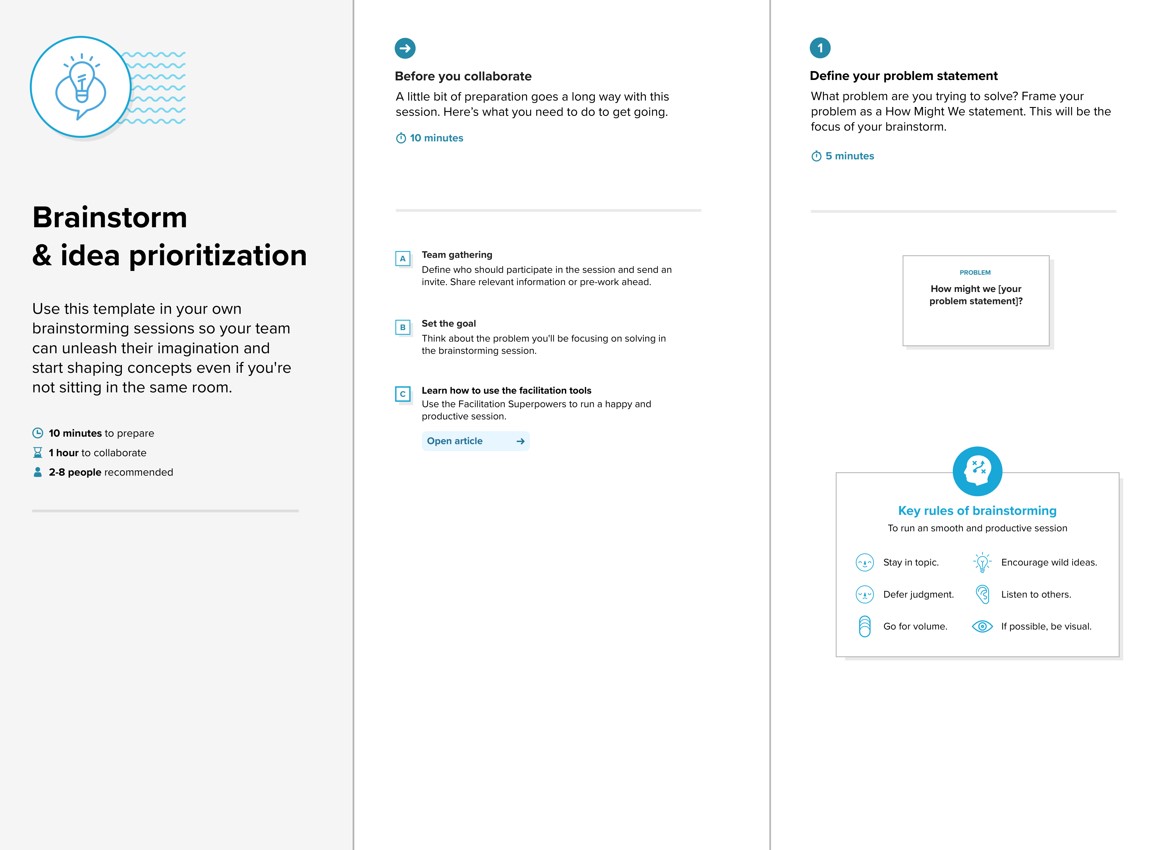
**3.1 EMPATHY MAP CANVAS:**

****

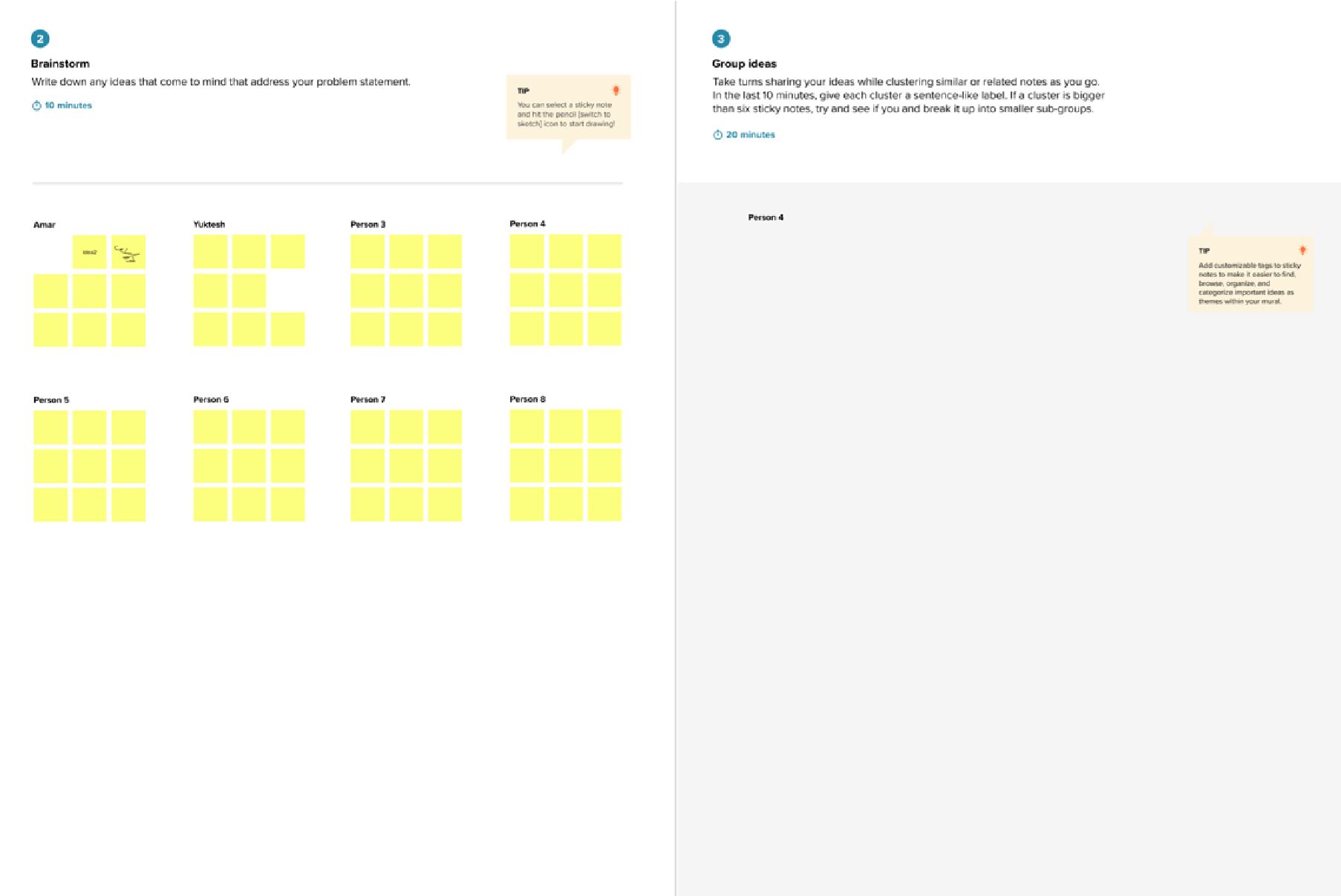
**3.2 IDEATION & BRAINSTORMING:**

* 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 amount 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.

**Step-1: Team Gathering, Collaboration and Select the Problem Statement**



**STEP-2: BRAINSTORM, IDEA LISTING AND GROUPING**



**STEP-3: IDEA PRIORITIZATION**

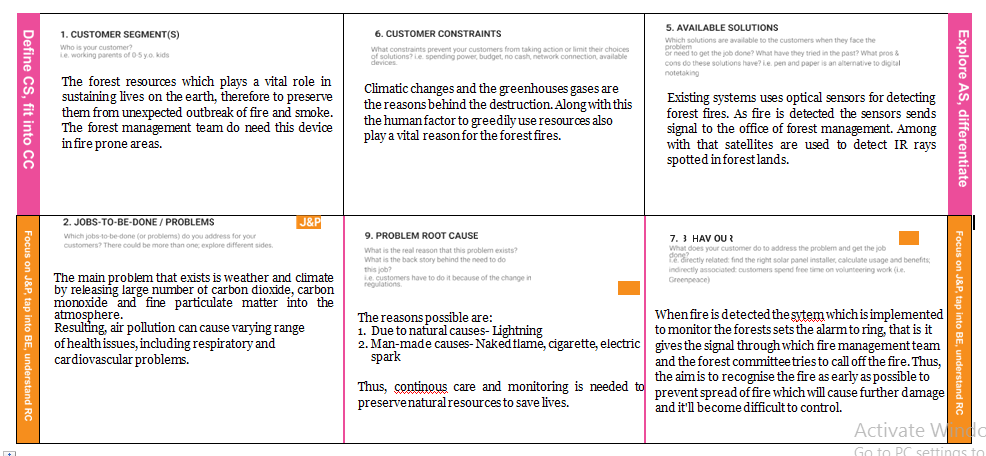


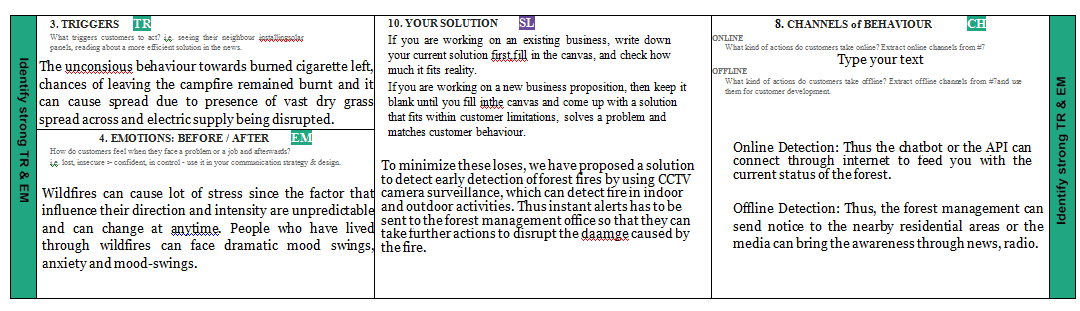
**3.3 PROPOSED SOLUTION:**

Project team shall fill the following information in proposed solution template.

|  |  |  |
| --- | --- | --- |
| **S.NO.** | **PARAMETER** | **DESCRIPTION** |
| 1. | Problem Statement (Problem to be solved) | Forest fires are considered as one of the most widespread hazards in a forested landscape. They have a serious threat to forest and its flora and fauna. Unplanned and abrupt forest fires are a major cause of forest degradation, while a controlled fire to manage and check the spread of unwanted forest fires serves as the action to improve the forest. So therefore, we’ve to detect prevention measure which should be taken to identify the fire prone areas and the tools which needed to be developed to minimize the loss and as well as implement forest fire committee to work for the reduction of damage caused. A forest fire risk prediction algorithm, based on support vector machines, is presented. The algorithm depends on previous weather conditions in order to predict the fire hazard level of a day. |
| 2. | Idea / Solution description | Our solution aims at collecting the vast range of dataset to test and train the model regularly by using **CNN** where the system can detect immediately if any ignition of fire is found, where the video can be surveyed by satellite. Then **Cloudant DB** is brought to use where the large amount of data is stored and fetched which acts as a server. **Open CV** acts as a tool for processing videos which are captured. To send alerts to forest committee **Twilio API** is used where alerts are passed on detection. **Watson Assistant** also a chatbot tool which can help you monitor if any guide is needed. |
| 3. | Novelty / Uniqueness | Existing system uses electronic sensors to detect forest fire and smoke. The change in temperature indicates the presence of forest fire and smoke in a region which can be detected by the sensors using radiation heat. As forests are in remote area it’s difficult for installation and maintenance of sensors. Our proposed system depends on using AI to make it cheaper and easier for the forest management. Accuracy and timely prediction using AI, CNN and API made it possible. |
| 4. | Social Impact / Customer Satisfaction | Forest fires are dangerous for the existence of life as they carry wildlife and natural resources which gives life to various living bodies. Thus, fires are occurred expectedly or unexpectedly which has to be prevented as earlier as we can. Therefore, forest management should be active enough to be aware and keeping an eye to check the forest fields regularly. As, what we save, saves us should be the |
|  |  | social awareness to be brought to the people. The proposed solution meets the customer satisfaction needs as it provides immediate alerts as soon as any fire is spotted which helps the forest committee to take actions sooner. |
| 5. | Business Model (Revenue Model) | A working model which gets the live captures from satellite needed to be implemented, where the camera can monitor continuously the forest area and a working trained model which can automatically show up if any spark, fire or smoke is detected. The model has to be trained widely using large datasets which can be fed into databases and feedbacks can be retrieved. Thus, video processing is the main motive for detection of forest fires, then forest management team should be present to monitor the live video and to get ready to prevent fire from further extension if any alert is produced from the trained model. Thus, this proposed model can be implanted at fire-prone area to provide quick responses and practice prevention methods. |
| 6. | Scalability of the Solution | The device should be compatible with a minimum of 4GB  RAM to support usage of various software like **Anaconda Navigator** for python and data science. Testing and training undergo using latest technology like **Tensor Flow** and **Keras.** Importantly satellite needed to be accessed repeatedly via camera and the data generated have to processed by Open CV and further it should be connected with a alerting system and a messaging interface to send notifications. |

**3.4 PROBLEM SOLUTION FIT:**

****

****

**4. REQUIREMENT ANALYSIS**

**4.1 FUNCTIONAL REQUIREMENT:**

Following are the functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |

**4.2 NON-FUNCTIONAL REQUIREMENT:**

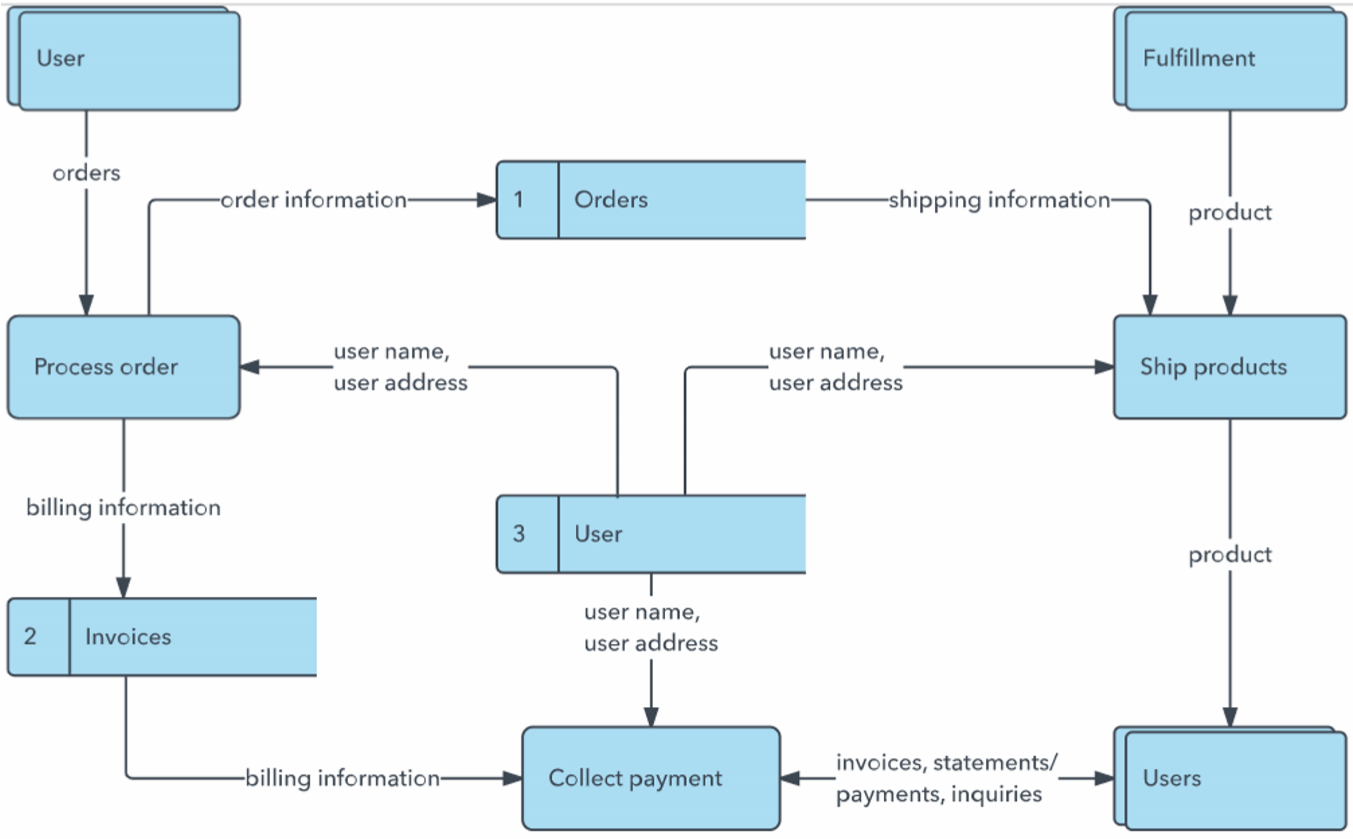
Following are the non-functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Definition of Usability. Usability is **a quality attribute that assesses how easy user interfaces are to use**. The word "usability" also refers to methods for improving ease-of-use during the design process |
| NFR-2 | **Security** | Overall, security officers are tasked with **securing the premises and personnel by staying on patrol, monitoring surveillance equipment, performing building inspections, guarding entry points, and verifying visitors**. |
| NFR-3 | **Reliability** | Reliability refers to **how consistently a method measures something**. If the same result can be consistently achieved by using the same methods under the same circumstances, the measurement is considered reliable |
| NFR-4 | **Performance** | Performance is defined as acting, singing, playing an instrument or otherwise showing a craft to a group of people. An example of performance is **a symphony playing at a town hall**. The definition of performance is how effective something or someone is at doing a good job |
| NFR-5 | **Availability** | The definition of availability is **whether someone or something can be accessed or used**. An example of availability is when a classmate can meet to discuss a project on a certain date. |
| NFR-6 | **Scalability** | Scalability is the measure of a system's ability to increase or decrease in performance and cost in response to changes in application and system processing demands. |

**5. PROJECT DESIGN**

**5.1 DATA FLOW DIAGRAMS:**

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 centers and leaves the system, what changes the information, and where data is stored.

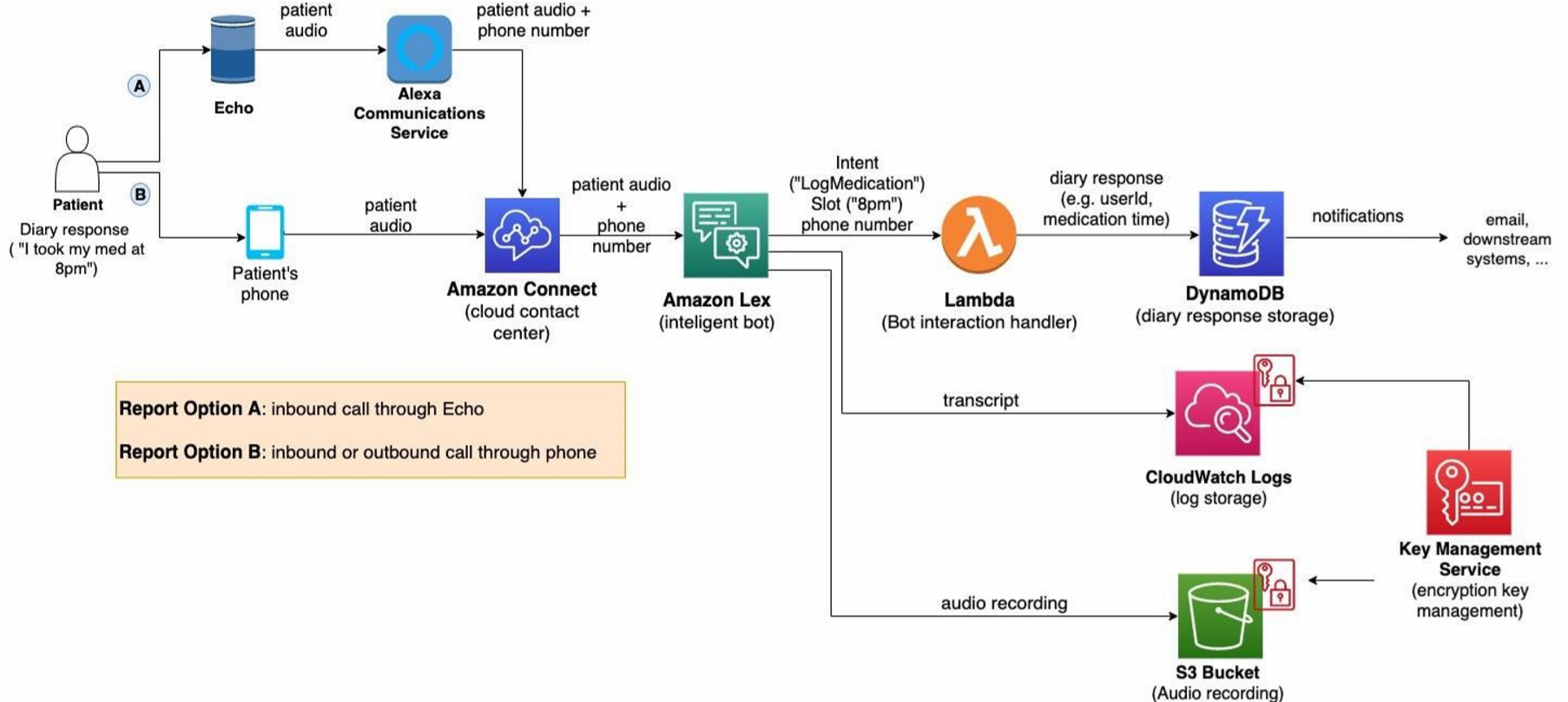


**5.2 SOLUTION & TECHNICAL ARCHITECTURE:**

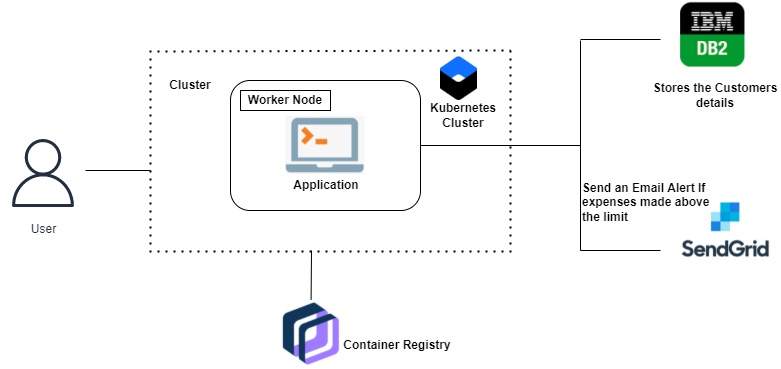
**SOLUTION ARCHITECTURE:**

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

* 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 according to which the solution is defined, managed, and delivered.



**TECHNICAL ARCHITECTURE**:



**5.3 USER STORIES:**

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

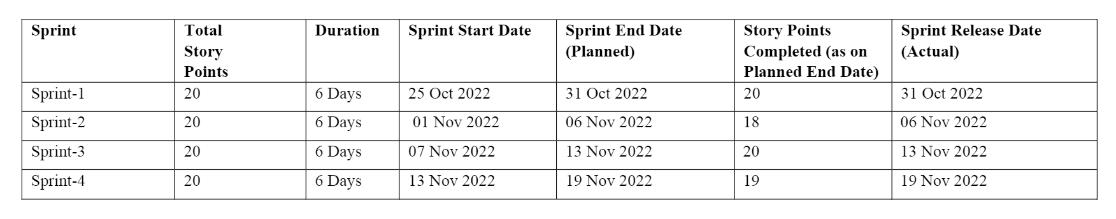
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| Customer  (Mobile user) | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | I can access my account / dashboard | High | Sprint-1 |
|  |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click confirm | High | Sprint-1 |
|  |  | USN-3 | As a user, I can register for the application through Facebook | I can register & access the dashboard with Facebook Login | Low | Sprint-2 |
|  |  | USN-4 | As a user, I can register for the application through Gmail |  | Medium | Sprint-1 |
|  | Login | USN-5 | As a user, I can log into the application by entering email & password |  | High | Sprint-1 |
|  | Dashboard |  |  |  |  |  |

**6. PROJECT PLANNING & SCHEDULING**

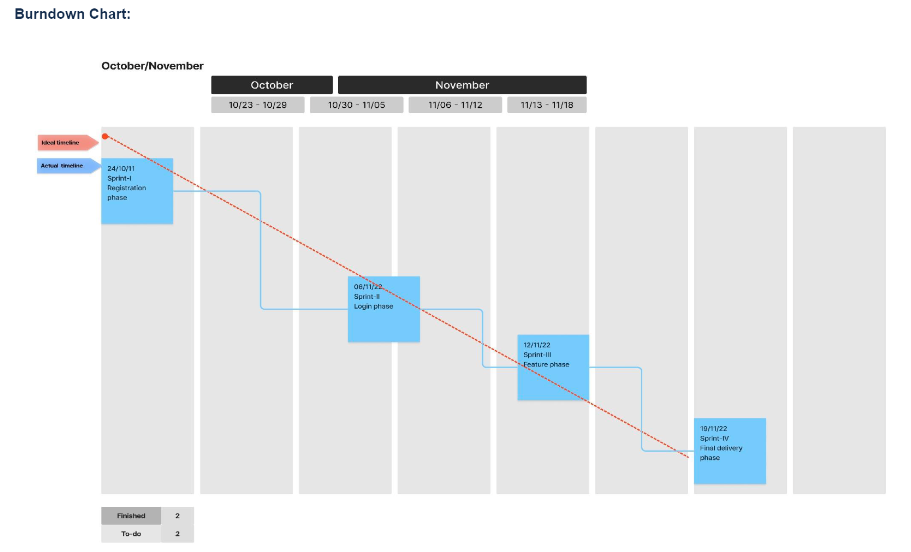
**6.1 SPRINT PLANNING & ESTIMATION:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | Prathap. S |
| Sprint- 2 | Login | USN-2 | The user can see the news according to their interest | 20 | High | Tony Wilson. I |
| Sprint - 3 | Features | USN-3 | The application will keep track of the news topics that user is interested mostly. | 20 | Low | Yuvaraj. J |
| Sprint -4 | Final Delivery | USN-4 | The app will customize the news according to the user interest from the data collected earlier. | 20 | Medium | Raman. R |

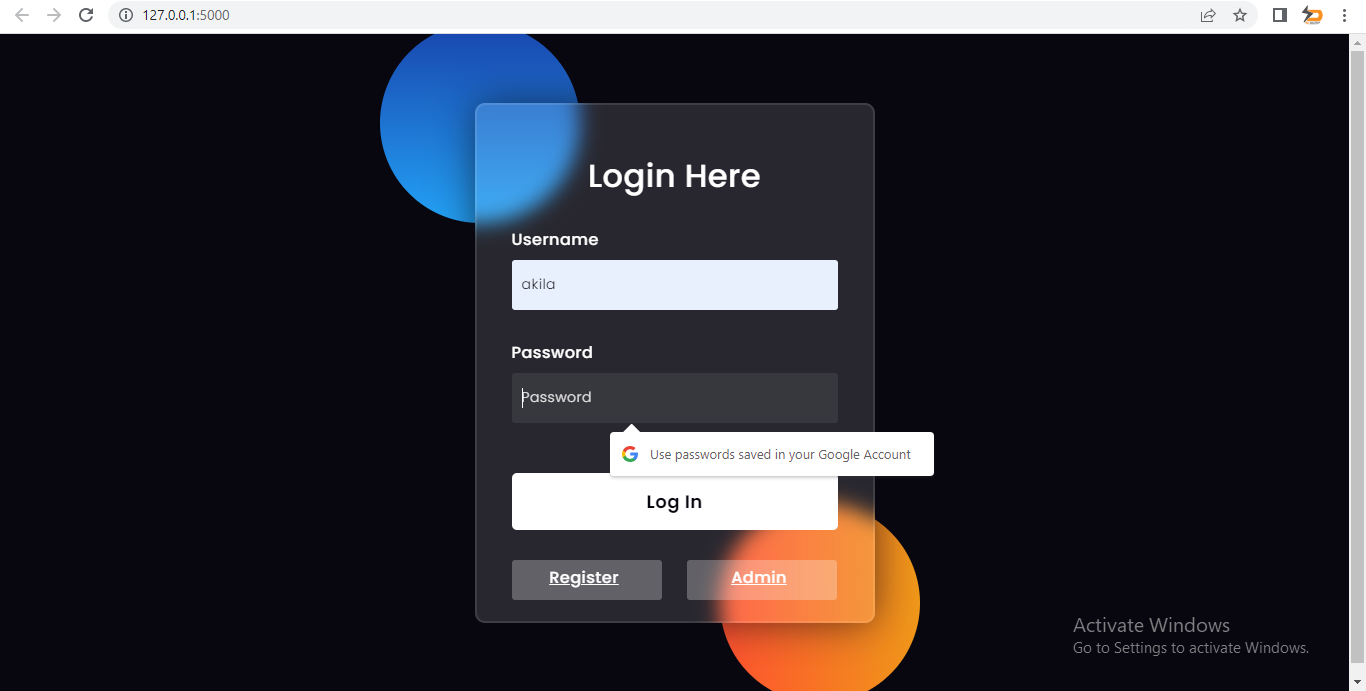
**6.2 SPRINT DELIVERY SCHEDULE:**

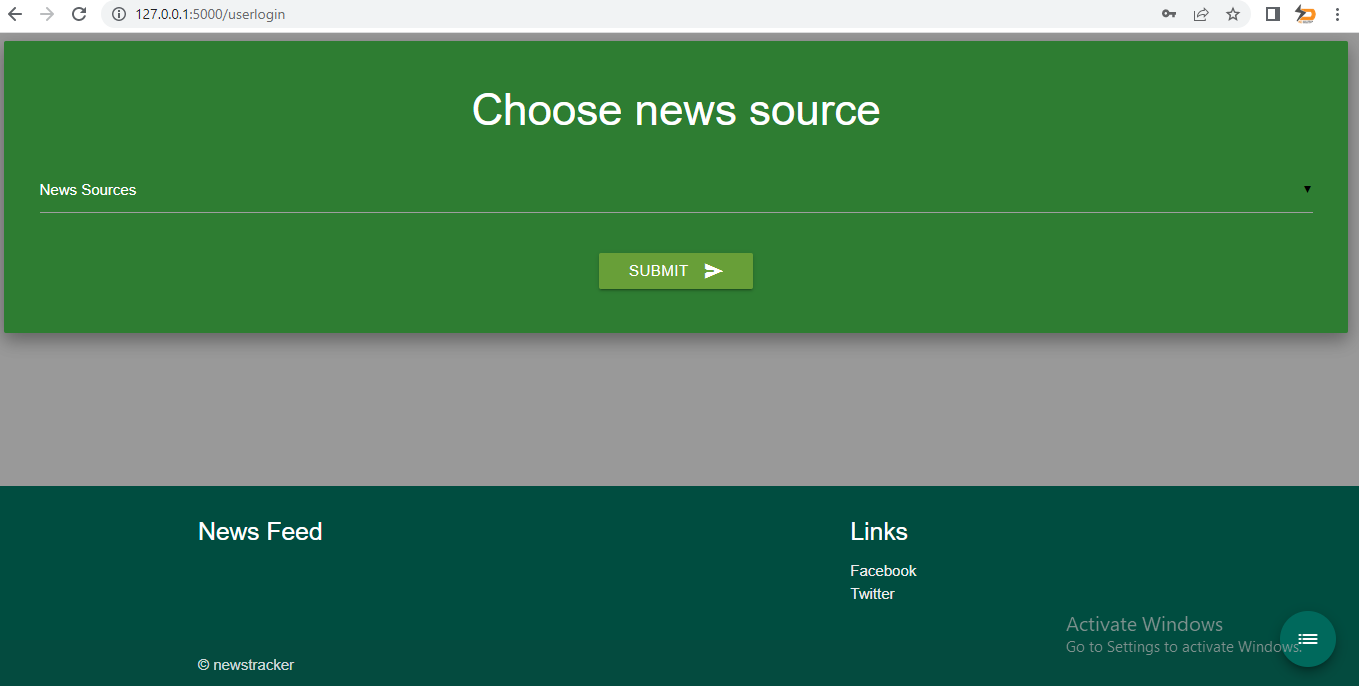
****

**6.3 Reports from JIRA:**

****

1. **CODING & SOLUTIONING:**





**8 TESTING**

### 8. SYSTEM TESTING

The purpose of testing is to discover errors. Testing is the process of trying to discover every conceivable fault or weakness in a work product. It provides a way to check the functionality of components, sub-assemblies, assemblies and/or a finished product. It is the process of exercising software with the intent of ensuring that the Software system meets its requirements and user expectations and does not fail in an unacceptable manner. There are various types of test. Each test type addresses a specific testing requirement.

**8.1 TYPES OF TESTS**

**8.1.1 Unit testing**

Unit testing involves the design of test cases that validate that the internal program logic is functioning properly, and that program inputs produce valid outputs. All decision branches and internal code flow should be validated. It is the testing of individual software units of the application .it is done after the completion of an individual unit before integration. This is a structural testing, that relies on knowledge of its construction and is invasive. Unit tests perform basic tests at component level and test a specific business process, application, and/or system configuration. Unit tests ensure that each unique path of a business process performs accurately to the documented specifications and contains clearly defined inputs and expected results.

**8.1.2 Integration testing**

Integration tests are designed to test integrated software components to determine if they actually run as one program. Testing is event driven and is more concerned with the basic outcome of screens or fields. Integration tests demonstrate that although the components were individually satisfaction, as shown by successfully unit testing, the combination of components is correct and consistent. Integration testing is specifically aimed at exposing the problems that arise from the combination of components.

**8.1.3 Functional test**

Functional tests provide systematic demonstrations that functions tested are available as specified by the business and technical requirements, system documentation, and user manuals.

Functional testing is centered on the following items:

Valid Input : identified classes of valid input must be accepted.

Invalid Input : identified classes of invalid input must be rejected.

Functions : identified functions must be exercised.

Output : identified classes of application outputs must be exercised.

Systems/Procedures: interfacing systems or procedures must be invoked.

Organization and preparation of functional tests is focused on requirements, key functions, or special test cases. In addition, systematic coverage pertaining to identify Business process flows; data fields, predefined processes, and successive processes must be considered for testing. Before functional testing is complete, additional tests are identified and the effective value of current tests is determined.

**8.1.4 System Test**

System testing ensures that the entire integrated software system meets requirements. It tests a configuration to ensure known and predictable results. An example of system testing is the configuration-oriented system integration test. System testing is based on process descriptions and flows, emphasizing pre-driven process links and integration points.

**8.1.5 White Box Testing**

White Box Testing is a testing in which in which the software tester has knowledge of the inner workings, structure and language of the software, or at least its purpose. It is purpose. It is used to test areas that cannot be reached from a black box level.

**8.1.6 Black Box Testing**

Black Box Testing is testing the software without any knowledge of the inner workings, structure or language of the module being tested. Black box tests, as most other kinds of tests, must be written from a definitive source document, such as specification or requirements document, such as specification or requirements document. It is a testing in which the software under test is treated, as a black box .you cannot “see” into it. The test provides inputs and responds to outputs without considering how the software works.

**8.2 Unit Testing:**

Unit testing is usually conducted as part of a combined code and unit test phase of the software lifecycle, although it is not uncommon for coding and unit testing to be conducted as two distinct phases.

**8.2.1 Test strategy and approach**

Field testing will be performed manually and functional tests will be written in detail.

**8.2.2 Test objectives**

* All field entries must work properly.
* Pages must be activated from the identified link.
* The entry screen, messages and responses must not be delayed.

**8.2.3 Features to be tested**

* Verify that the entries are of the correct format
* No duplicate entries should be allowed
* All links should take the user to the correct page.

# 8.3 Integration Testing

Software integration testing is the incremental integration testing of two or more integrated software components on a single platform to produce failures caused by interface defects. The task of the integration test is to check that components or software applications, e.g. components in a software system or – one step up – software applications at the company level – interact without error.

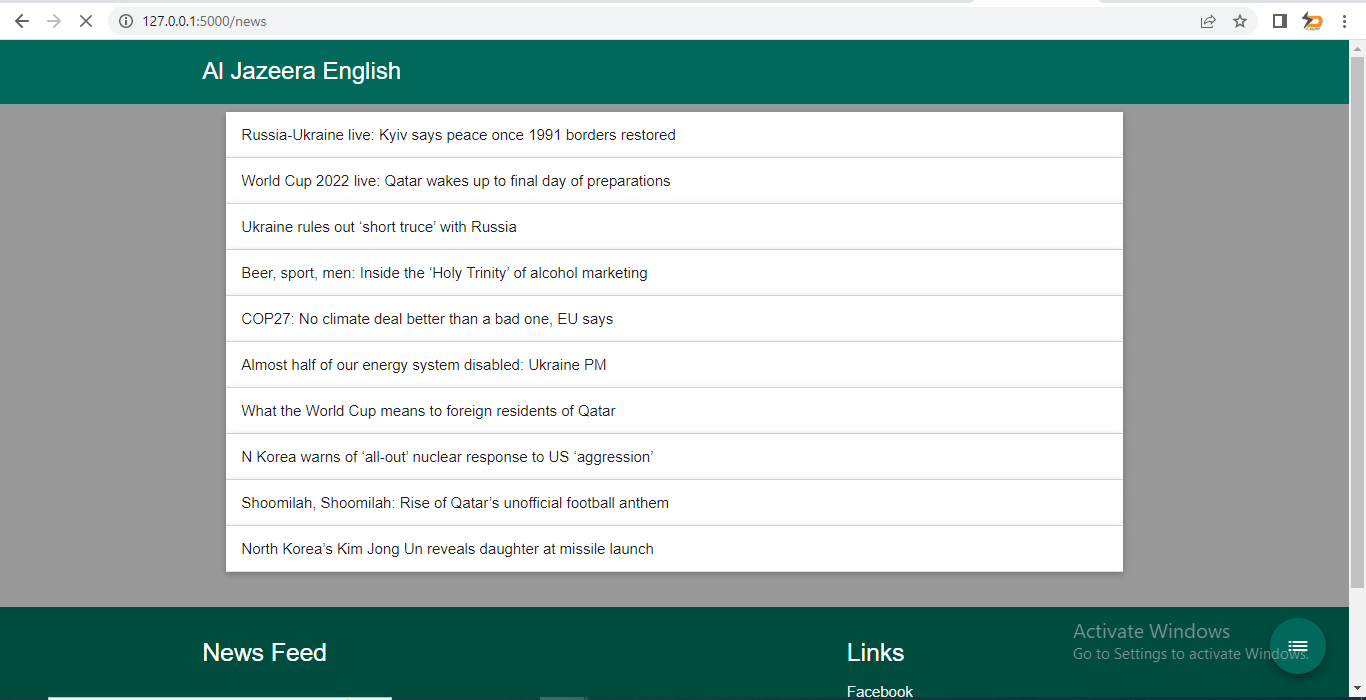
**Test Results:** All the test cases mentioned above passed successfully. No defects encountered.

**8.4 Acceptance Testing**

User Acceptance Testing is a critical phase of any project and requires significant participation by the end user. It also ensures that the system meets the functional requirements.

**Test Results:** All the test cases mentioned above passed successfully. No defects encountered.

1. **RESULTS**



**10 ADVANTAGES & DISADVANTAGES**

**ADVANTAGES:**

* Own Your Channels.
* Better User Experience.
* Higher Engagement.
* Push notifications.
* Revenue Opportunities.
* App Store Presence.

**DISADVANTAGES:**

* It CAN BE limited by time.
* It may rely too heavily on personalities, emotions, opinions… not facts.
* It can shortchange complex stories or avoid them altogether.

**11 CONCLUSIONS**

At the end conclusion of this paper is that, we have combined machine learning approaches. We would be applying system for sports domain, if time permits would check our approach on politics, entertainment, science and discovery, etc. We have used Agglomerative hierarchical clustering using average distance measure for topic detection and K-nearest neighbor classifier for topic Tracking. We select K Nearest Neighbor classifier for tracking because it gives better performance. As well as it makes the fewest assumptions of about terms, stories and efficient decisions surface for the tracking task. For future work we will detect and track broadcast news.

**12 FUTURE SCOPES**

We select K Nearest Neighbor classifier for tracking because it gives better performance. As well as it makes the fewest assumptions of about terms, stories and efficient decisions surface for the tracking task. For future work we will detect and track broadcast news.

**13 APPENDIXES:**

**Source code:**

import news

from flask import Flask, render\_template, request, jsonify, session

import datetime

import re

import ibm\_db

import pandas

import ibm\_db\_dbi

from sqlalchemy import create\_engine

engine = create\_engine('sqlite://',

echo = False)

dsn\_hostname = "19af6446-6171-4641-8aba-9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud"

dsn\_uid = "wdn20062"

dsn\_pwd = "2eFT80IyOuJQE3zV"

dsn\_driver = "{IBM DB2 ODBC DRIVER}"

dsn\_database = "bludb"

dsn\_port = "30699"

dsn\_protocol = "TCPIP"

dsn\_security = "SSL"

dsn = (

"DRIVER={0};"

"DATABASE={1};"

"HOSTNAME={2};"

"PORT={3};"

"PROTOCOL={4};"

"UID={5};"

"PWD={6};"

"SECURITY={7};").format(dsn\_driver, dsn\_database, dsn\_hostname, dsn\_port, dsn\_protocol, dsn\_uid, dsn\_pwd,dsn\_security)

try:

conn = ibm\_db.connect(dsn, "", "")

print ("Connected to database: ", dsn\_database, "as user: ", dsn\_uid, "on host: ", dsn\_hostname)

except:

print ("Unable to connect: ", ibm\_db.conn\_errormsg() )

app = Flask(\_\_name\_\_)

app.config.from\_object(\_\_name\_\_)

app.config['SECRET\_KEY'] = '7d441f27d441f27567d441f2b6176a'

@app.route("/")

def homepage():

return render\_template('UserLogin.html')

@app.route("/alogin")

def alogin():

return render\_template('AdminLogin.html')

@app.route("/NewUser")

def NewUser():

return render\_template('NewUser.html')

@app.route("/RNewUser", methods=['GET', 'POST'])

def RNewUser():

if request.method == 'POST':

name1 = request.form['name']

gender1 = request.form['gender']

Age = request.form['age']

email = request.form['email']

address = request.form['address']

pnumber = request.form['phone']

uname = request.form['uname']

password = request.form['psw']

conn = ibm\_db.connect(dsn, "", "")

insertQuery = "INSERT INTO regtb VALUES ('" + name1 + "','" + gender1 + "','" + Age + "','" + email + "','" + pnumber + "','" + address + "','" + uname + "','" + password + "')"

insert\_table = ibm\_db.exec\_immediate (conn, insertQuery)

print(insert\_table)

return render\_template('userlogin.html')

@app.route("/AdminHome")

def AdminHome():

conn = ibm\_db.connect(dsn, "", "")

pd\_conn = ibm\_db\_dbi.Connection(conn)

selectQuery = "SELECT \* from regtb "

dataframe = pandas.read\_sql(selectQuery, pd\_conn)

dataframe.to\_sql('Employee\_Data',

con=engine,

if\_exists='append')

# run a sql query

data = engine.execute("SELECT \* FROM Employee\_Data").fetchall()

return render\_template('AdminHome.html', data=data)

@app.route("/userlogin", methods=['GET', 'POST'])

def userlogin():

error = None

if request.method == 'POST':

username = request.form['uname']

password = request.form['password']

session['uname'] = request.form['uname']

conn = ibm\_db.connect(dsn, "", "")

pd\_conn = ibm\_db\_dbi.Connection(conn)

selectQuery = "SELECT \* from regtb where uname='" + username + "' and password='" + password + "'"

dataframe = pandas.read\_sql(selectQuery, pd\_conn)

if dataframe.empty:

data1 = 'Username or Password is wrong'

return render\_template('goback.html', data=data1)

else:

print("Login")

selectQuery = "SELECT \* from regtb where uname='" + username + "' and password='" + password + "'"

dataframe = pandas.read\_sql(selectQuery, pd\_conn)

dataframe.to\_sql('Employee\_Data',

con=engine,

if\_exists='append')

# run a sql query

print(engine.execute("SELECT \* FROM Employee\_Data").fetchall())

return render\_template('index.html', data=engine.execute("SELECT \* FROM Employee\_Data").fetchall())

@app.route("/adminlogin", methods=['GET', 'POST'])

def adminlogin():

error = None

if request.method == 'POST':

username = request.form['uname']

password = request.form['password']

conn = ibm\_db.connect(dsn, "", "")

pd\_conn = ibm\_db\_dbi.Connection(conn)

selectQuery = "SELECT \* from admintb where USERNAME='" + username + "' and PASSWORD='" + password + "'"

dataframe = pandas.read\_sql(selectQuery, pd\_conn)

if dataframe.empty:

data1 = 'Username or Password is wrong'

return render\_template('goback.html', data=data1)

else:

print("Login")

selectQuery = "SELECT \* from regtb "

dataframe = pandas.read\_sql(selectQuery, pd\_conn)

dataframe.to\_sql('Employee\_Data', con=engine,if\_exists='append')

# run a sql query

print(engine.execute("SELECT \* FROM Employee\_Data").fetchall())

return render\_template('AdminHome.html', data=engine.execute("SELECT \* FROM Employee\_Data").fetchall())

@app.route('/news', methods=['POST'])

def submit\_data():

vals = request.form['news-source']

id = vals.split('\_')[0]

name = vals.split('\_')[1]

articles = news.main(id)

print(articles)

return render\_template('news.html', articles=articles, name=name)

if \_\_name\_\_ == '\_\_main\_\_':

app.run(host="0.0.0.0")

html

{% extends 'layout.html' %} {% block body %}

<div class="row">

<div class="center col s12">

<div class="card green darken-3 hoverable">

<div class="card-content white-text">

<span class="center card-title"><h3>Choose news source</h3></span>

<div class="row">

<form action='/news' method="POST" class="col s12">

<div class="row">

<div class="input-field center">

<select id="news-source" name="news-source" required="" class="initialized">

<option value="" disabled selected>News Sources</option>

<option value="abc-news-au\_ABC News (AU)">ABC News (AU)</option>

<option value="al-jazeera-english\_Al Jazeera English">Al Jazeera English</option>

<option value="ars-technica\_Ars Technica">Ars Technica</option>

<option value="associated-press\_Associated Press">Associated Press</option>

<option value="bbc-news\_BBC News">BBC News</option>

<option value="bbc-sport\_BBC Sport">BBC Sport</option>

<option value="bild\_Bild">Bild</option>

<option value="bloomberg\_Bloomberg">Bloomberg</option>

<option value="breitbart-news\_Breitbart News">Breitbart News</option>

<option value="business-insider\_Business Insider">Business Insider</option>

<option value="business-insider-uk\_Business Insider (UK)">Business Insider (UK)

</option>

<option value="buzzfeed\_Buzzfeed">Buzzfeed</option>

<option value="cnbc\_CNBC">CNBC</option>

<option value="cnn\_CNN">CNN</option>

<option value="daily-mail\_Daily Mail">Daily Mail</option>

<option value="der-tagesspiegel\_Der Tagesspiegel">Der Tagesspiegel</option>

<option value="die-zeit\_Die Zeit">Die Zeit</option>

<option value="engadget\_Engadget">Engadget</option>

<option value="entertainment-weekly\_Entertainment Weekly">Entertainment Weekly</option>

<option value="espn\_ESPN">ESPN</option>

<option value="espn-cric-info\_ESPN Cric Info">ESPN Cric Info</option>

<option value="financial-times\_Financial Times">Financial Times</option>

<option value="focus\_Focus">Focus</option>

<option value="football-italia\_Football Italia">Football Italia</option>

<option value="fortune\_Fortune">Fortune</option>

<option value="four-four-two\_FourFourTwo">FourFourTwo</option>

<option value="fox-sports\_Fox Sports">Fox Sports</option>

<option value="google-news\_Google News">Google News</option>

<option value="gruenderszene\_Gruenderszene">Gruenderszene</option>

<option value="hacker-news\_Hacker News">Hacker News</option>

<option value="handelsblatt\_Handelsblatt">Handelsblatt</option>

<option value="ign\_IGN">IGN</option>

<option value="independent\_Independent">Independent</option>

<option value="mashable\_Mashable">Mashable</option>

<option value="metro\_Metro">Metro</option>

<option value="mirror\_Mirror">Mirror</option>

<option value="mtv-news\_MTV News">MTV News</option>

<option value="mtv-news-uk\_MTV News (UK)">MTV News (UK)</option>

<option value="national-geographic\_National Geographic">National Geographic</option>

<option value="new-scientist\_New Scientist">New Scientist</option>

<option value="newsweek\_Newsweek">Newsweek</option>

<option value="new-york-magazine\_New York Magazine">New York Magazine</option>

<option value="nfl-news\_NFL News">NFL News</option>

<option value="polygon\_Polygon">Polygon</option>

<option value="recode\_Recode">Recode</option>

<option value="reddit-r-all\_Reddit /r/all">Reddit /r/all</option>

<option value="reuters\_Reuters">Reuters</option>

<option value="spiegel-online\_Spiegel Online">Spiegel Online</option>

<option value="t3n\_T3n">T3n</option>

<option value="talksport\_TalkSport">TalkSport</option>

<option value="techcrunch\_TechCrunch">TechCrunch</option>

<option value="techradar\_TechRadar">TechRadar</option>

<option value="the-economist\_The Economist">The Economist</option>

<option value="the-guardian-au\_The Guardian (AU)">The Guardian (AU)</option>

<option value="the-guardian-uk\_The Guardian (UK)">The Guardian (UK)</option>

<option value="the-hindu\_The Hindu">The Hindu</option>

<option value="the-huffington-post\_The Huffington Post">The Huffington Post</option>

<option value="the-lad-bible\_The Lad Bible">The Lad Bible</option>

<option value="the-new-york-times\_The New York Times">The New York Times</option>

<option value="the-next-web\_The Next Web">The Next Web</option>

<option value="the-sport-bible\_The Sport Bible">The Sport Bible</option>

<option value="the-telegraph\_The Telegraph">The Telegraph</option>

<option value="the-times-of-india\_The Times of India">The Times of India</option>

<option value="the-verge\_The Verge">The Verge</option>

<option value="the-wall-street-journal\_The Wall Street Journal">The Wall Street

Journal

</option>

<option value="the-washington-post\_The Washington Post">The Washington Post</option>

<option value="time\_Time">Time</option>

<option value="usa-today\_USA Today">USA Today</option>

<option value="wired-de\_Wired.de">Wired.de</option>

<option value="wirtschafts-woche\_Wirtschafts Woche">Wirtschafts Woche</option>

</select>

</div>

</div>

<button class="btn light-green darken-2 pulsewaves-effect waves-light waves-green" type="submit"

name="action">Submit<i class="material-icons right">send</i></button>

</form>

</div>

</div>

</div>

</div>

</div>

{% endblock %}

{% block script %}

<script src="{{ url\_for('static', filename='select.js')}}"></script>

{% endblock %}