CONTENTS

Introduction :

1.1 Overview of the Project

News Jockey abbreviated as NJ is an online news source which accumulates the daily news from across the world and bring it in your hands within a blink of an eye. NJ is a web based application that provides interfaces for various stakeholders (Politicians, students and also The common man). Nj is basically a daily news summarising website that gives you most of the daily headlines according to your preferences and interests, The best part is - the headlines will be precise and compact, making it easier to read and comprehend. Also, it includes stuff like favorites/collections where you can bookmark the significant news. You name it and you'll have it! Just a click away.

1.2 Objectives of the Project

The objectives of this project are:

• Develop a central database of each user and the bookmarked news
• Automate the process of generating preferred news headlines
• Provide an online news reading platform
• Enhancing the consciousness related to general awareness
• Makes it convenient to check daily news based on preferences

1.3 Purpose

News Jockey is mainly improvised for looking after the latest news and general information. Various useful technologies like daily news updates, news that are not so recent etc. are been required by various people like students, faculty, the general public etc. Mainly the purpose of News jockey system is to give the details which can be used and they can be implemented in their daily life.

1.4 Intended Audience and Reading Suggestions

Intended audience is defined as the group of people for which a service or product is Designed. The document is intended for all the stakeholders' customer and the developer (designers,

testers, maintainers). The reader is assumed to have basic knowledge of language.

1.5 Definitions, Acronyms and abbreviations

<u>HTML (Hyper Text Markup Language):</u> It is used to create static web pages.
<u>JS :</u> It is used for creating web pages.
<u>CSS (cascading style sheets) :</u> It is used for describing the presentation of Web pages, including colors, layout, and fonts.
<u>React</u> : JavaScript library that is used for building user interfaces specifically for single-page applications.
<u>Node.JS</u> : It is primarily used for non-blocking, event-driven servers
<u>MongoDB</u> : It can be used as a file storage system which is known as a GridFS.
<u>Express</u> : It helps in fast-tracking development of server-based applications.

Applications.

HTTP (Hyper Text Transfer Protocol): It is a transaction oriented client/ server. Protocol between a web browser and a web server.

Database: Collection of information in a structured form.

Login ID: A user identification number to enter the system.

Password: A word that enables one to gain admission into the system.
Definitions

2.0 Overall Description

2.1 Product Perspectives :

The main perspective of this is to provide their customer the news 24 hours a day which

help the people to get the daily easily instantly. It also saves their time, effort and money. This also shows about the weather conditions of that particular area which we are searching.

2.2 Product Features

Every user should be comfortable of working with computer and net browsing.

Every user has to register with the Particular name..

Every user should have their own login and password.

Every user can issue the complaints.

Every user must have basic knowledge of English/Hindi too.

Characteristics: There are several users of the network:

Customers are simply members of the general public with no special training.

Maintainers must be experienced network administrators, to be able to connect new

customers to the network.

2.3 Operating Environment

The hardware, software and technology used should have following specifications:
- Ability to select the location
- Keypad (in case touchpad fails)
- Continuous power supply
- Ability to connect to network
- Ability to take input from user
- Ability to validate user

2.4 Design and Implementation constraints
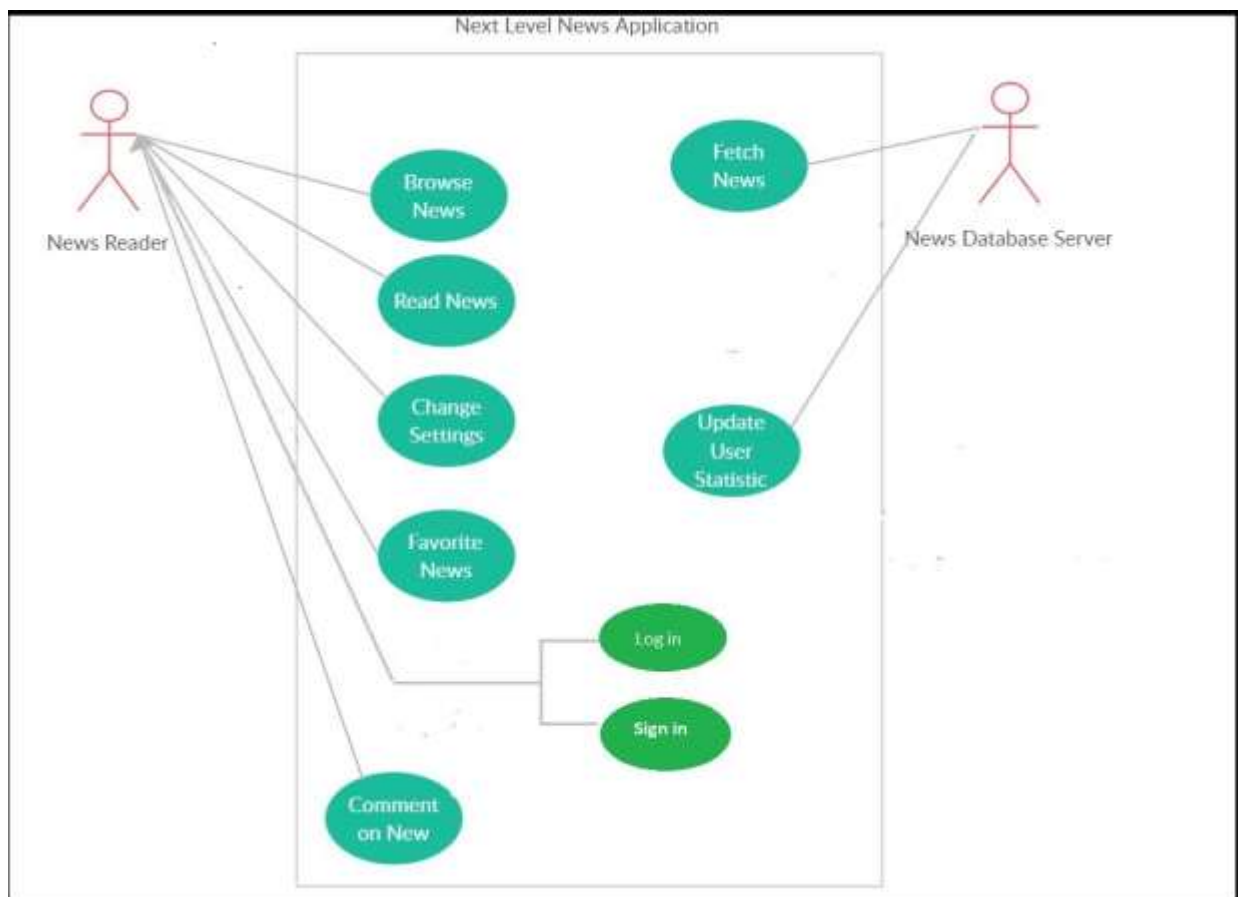
Login/sign up
- If login successful then switch user to his/her account.
- If user does not have account then goes for sign up.
- Enter valid location to which you want to search.
- There are more benefits for those who are members of this web site.

- User should have basic knowledge of computer.
- The Web Publishing System has one active actor and one cooperating system.
- The Author, Reader accesses the Online Journal through the Internet.
- Any Author's communication with the system is through email.
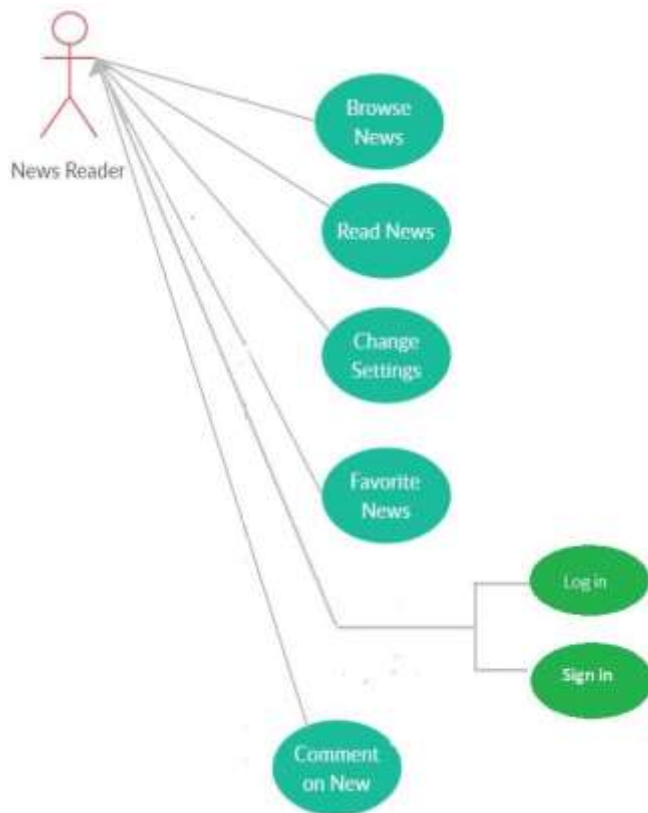- The Editor accesses the entire system directly.

2.5 Functional Requirements Specification

This section outlines the use cases for each of the active readers separately. The reader, the author and the reviewer have only one use case apiece while the editor is Main actor in this system.
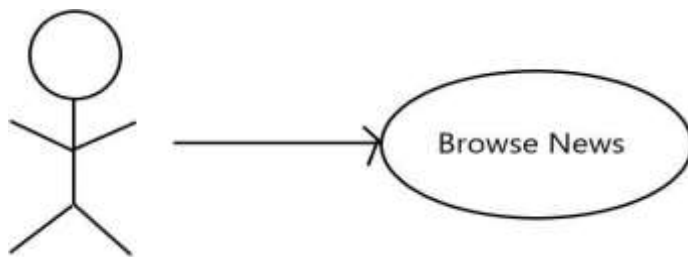
2.6 User Case Diagram

2.6.1 Reader Use Case

Use case: Browse Article

Diagram:

Brief Description

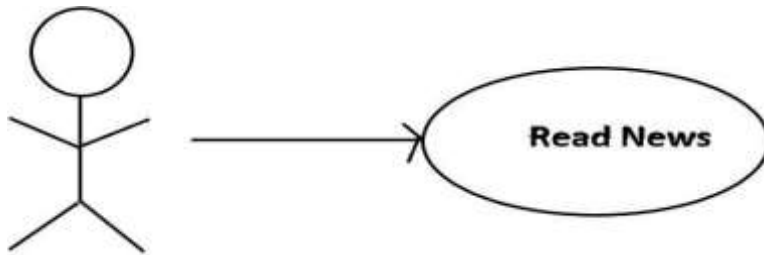The Reader accesses the Online Journal Website, searches for an article and read it to his/her machine.

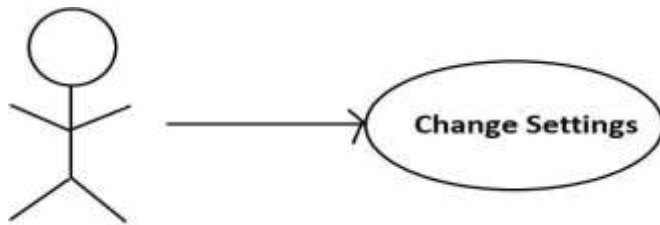Initial Step-By-Step Description

Before this use case can be initiated, the Reader has already accessed the Online Journal Website.

1. The Reader chooses to search by author name, category, or keyword.
2. The system displays the choices to the Reader.
3. The Reader selects the article desired.
4. The system presents the abstract of the article to the reader.
5. The system provides the requested article.

Use case: Read news

Diagram:

Brief Description

The Reader reads the Online Journal Website and gathers information

Initial Step-By-Step Description

Before this use case can be initiated, the Reader has already accessed the Online

Journal Website.

1. The Reader chooses to search by author name, category, or keyword.

2. The reader selects the article.

3. The reader reads the desired article.

4. The reader exits the article if he doesn't want to read

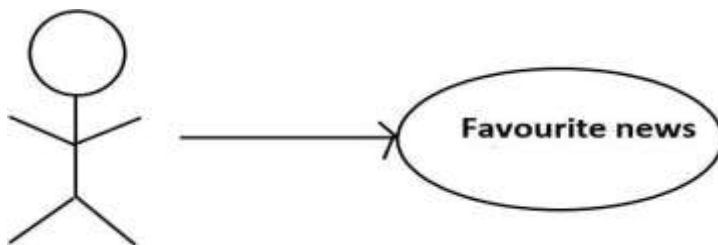**Use case: change settings**

Diagram:

Brief Description

The Reader opens the settings panel and can change the settings according to his desires.

Initial Step-By-Step Description

1. The reader opens the settings panel.
2. The reader looks for the changes that he wishes to make.
3. If there is any need, the reader can make the changes.
4. The changed settings can now be saved.

Use case: favourite news
Diagram:

Brief Description
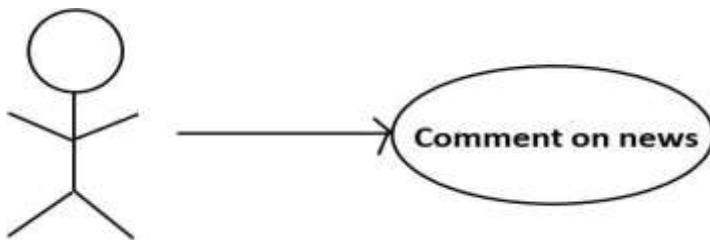
The Reader marks his favourite news and can locate it anytime he wants to.

Initial Step-By-Step Description

1 The reader opens the news.

2. If he finds the news interesting, he could bookmark/favourite it.

3. The bookmarked news could be read later.

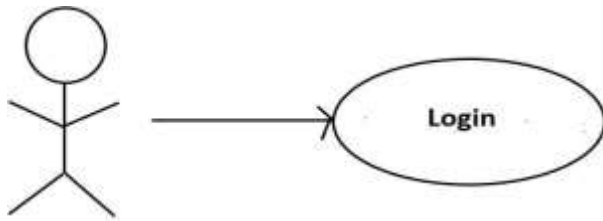## Use case: comment on news
Diagram:

Brief Description

The Reader can comment on whichever news he wants to.

Initial Step-By-Step Description

1 The reader opens the news.

2. If he finds the news interesting, he could comment on it.

3. He could post the comment.
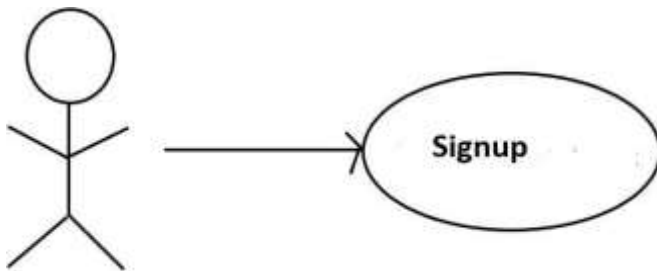
Use case: login
Diagram:

Brief Description

The reader can login with his user name and password.

Initial Step-By-Step Description

1 The reader opens the application

2. He can log in with his username and password.

Use case: Sign up
Diagram:
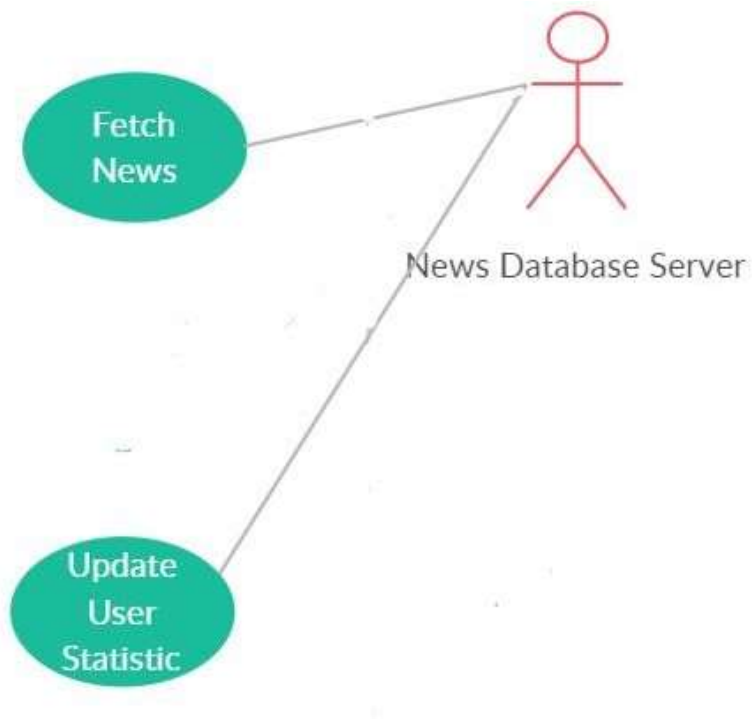

Brief Description

The reader can signup with his user name and password.
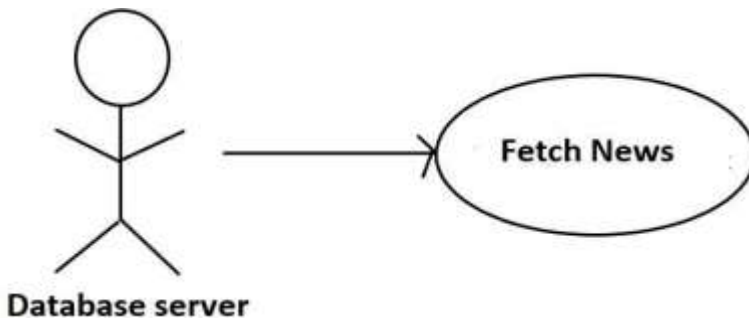
Initial Step-By-Step Description

1 The reader opens the application

2. He can sign in with his email id and set the password.

2.6.2 News Database Server

Use case: Fetch news
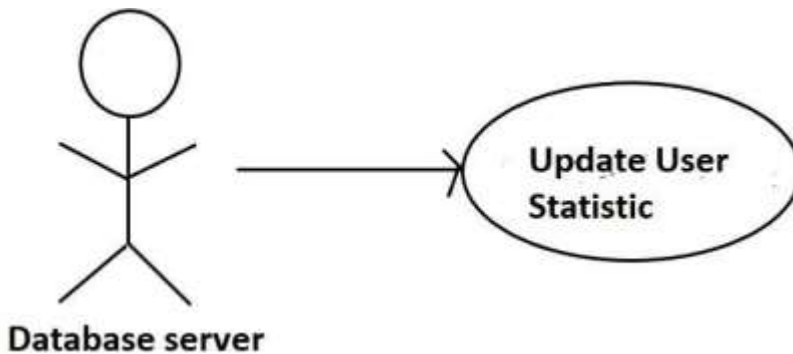
Diagram:

Database server

Brief Description

The server fetches the news from different API's.

Initial Step-By-Step Description

1 The server fetches the various news from web-crawlers

2. It adds the news on the website

3. It displays the news according to the person's interest.

Use case: Update user Statistic

Diagram:

Brief Description

The server updates the user's information and stores it in a database.

Initial Step-By-Step Description

1 The server stores the login informations.

2. The server updates the changes made by the user.

3. It also stores the various information of different users in a database.

2.7 User Characteristics

- The Reader is expected to be Internet literate and be able to use a search engine.
- The main screen of the Online Journal Website will have the search function and a link to "Author Information."
- The Author is expected to be Internet literate.
- The Editor is expected to be Windows literate and to be able to use button, pull-down menus, and similar tools.

2.8 Non-Functional Requirements

The Online Journal will be on a server with high speed Internet capability.