A

SYNOPSIS REPORT

On

NEWSPRISM

Submitted in partial fulfilment of the requirements of the degree of

BACHELOR OF TECHNOLOGY

Submitted by

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GROUP DETAILS

Team Name	Runtime Terror
Project Title	Newsprism
Branch	Computer Science
Semester	7th Semester (4th Year)

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PROBLEM STATEMENT

The "Online News Portal" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and, in some cases, reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company to carry out operations smoothly and effectively.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error messages while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Online News Portal, as described above, can lead to error-free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help the organization in better utilization of resources.

Every organization, whether big or small, has challenges to overcome and managing the information of Category, News, Weather News, News Report, Bollywood News. Every Online News Portal has different News needs, therefore we design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also, for those busy executive who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.

ABSTRACT

The purpose of Online News Portal is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Online News Portal, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The aim is to automate its existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically, the project describes how to manage for good performance and better services for the clients.

1) OBJECTIVE AND SCOPE:

It may help collecting perfect management in details. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know the management of passed year perfectly and vividly. It also helps in current all works relative to Online News Portal. It will be also reduced the cost of collecting the management & collection procedure will go on smoothly.

Our project aims at Business process automation, i.e. we have tried to computerize various processes of Online News Portal.

- In computer system the person has to fill the various forms & number of copies of the forms can be easily generated at a time.
- In computer system, it is not necessary to create the manifest but we can directly print it, which saves our time.
- To assist the staff in capturing the effort spent on their respective working areas.
- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates types of information that can be used for various purposes.
- It satisfy the user requirement
- Be easy to understand by the user and operator
- Be easy to operate
- Have a good user interface
- Be expandable
- Delivered on schedule within the budget.

2) MODULES OF ONLIINE NEWS PORTAL:

- News Management Module: Used for managing the News details.
- Bollywood News Module: Used for managing the details of Bollywood News
- News Report Module: Used for managing the details of News Report
- Category Management Module: Used for managing the information and details of the Category.
- Latest News Module: Used for managing the Latest News details
- Weather News Module: Used for managing the Weather News information
- Login Module: Used for managing the login details
- Users Module: Used for managing the users of the system

3) PURPOSE

This portal is open to public and end user or customer can come here and browse the desired news. You don't have to wait for newspaper in morning. Any time any news related to different fields will be available.

4) METHODOLOGY AND TOOLS

In this topic we will get to introduce to Tools and the Methods or the environment that helped us to create our Web Application, this topic includes all the Materials and Techs we used to create our Web App.

In this project we will use the following Technologies:
- HTML 5
- Angular
- CSS3
- Bootstrap
- JavaScript (ES6)
- Node
- MongoDB

5) SOFTWARE USED

- Operating System: Windows 10
- Front-End: Angular
- Back-End: Node.js, ES6
- Data Base: MongoDB
- Development Platform Used: VS Code
- Synchronization/Version Control Platform: GitHub

6) HARDWARE USED

At Developer End:
- Processor: Intel Core i5 (Similar or Above)
- RAM: 8GB or Above
- Storage: 240 GB SSD or more.

At User End:
- Processor: Intel Core i3 (Similar or Above)
- RAM: 2 GB or More

7) APPLICATION

We are gone through with some less facility because there is 6 months of time and most of us are new to this.

- End User Approach.
- No Privacy issues
- No need to share User's information to accessing Website.
- Free to Use.
- Simple and effective UI.
- User Cantered UX approach
- Responsive Web Application works on all Platforms.
- User can update their profile.
- User can reset their password

8) FUTURE SCOPE

In this we can make many further advancements and improvements to make it better. The more we attractive the website the more it will become better. And we can also integrate any kind of news according to our need. We will like for support systems, news systems, software's, etc. In future we will do following work:
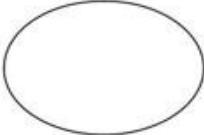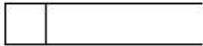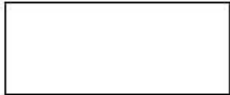
- We can add more security features in it.
- We can make any kind of user interface according to our need.
- We can add many kinds of APIs like Google, discovery APIs.
- We will develop this website for large volume.
- We will update our database.
- We can make searching system more flexible.

9) PROJECT TIMELINE

Design phase deals with transforming the requirements, as described in the SRS document, intoa form that is implemented using a programming language. The various designs of this system are shown as following:

1. Data Flow Diagram:

Data Flow diagram is a graphical representation of flow of data throughout the information system. Data flow diagrams illustrate how data is processed by a system in terms of inputs and outputs.

Name	Notation	Role
Process	⬭	Transforms incoming data flow to output data flow
Data Store	▭	Repositories of data in the system.
Dataflow	→	Dataflow are pipelines through which packets of information flow.
External Entity	▭	External entities are objects outside the system, with which the system communicates

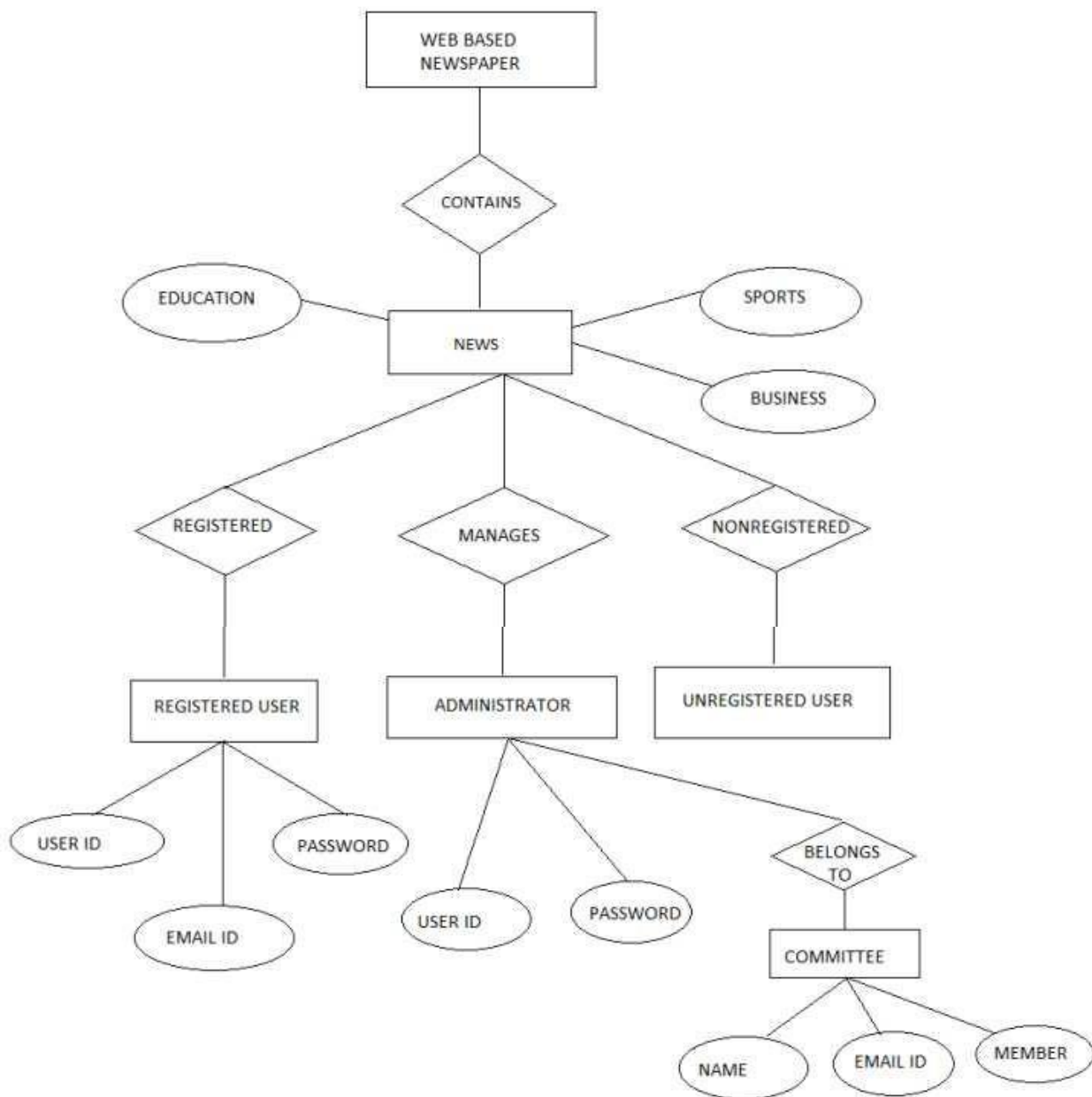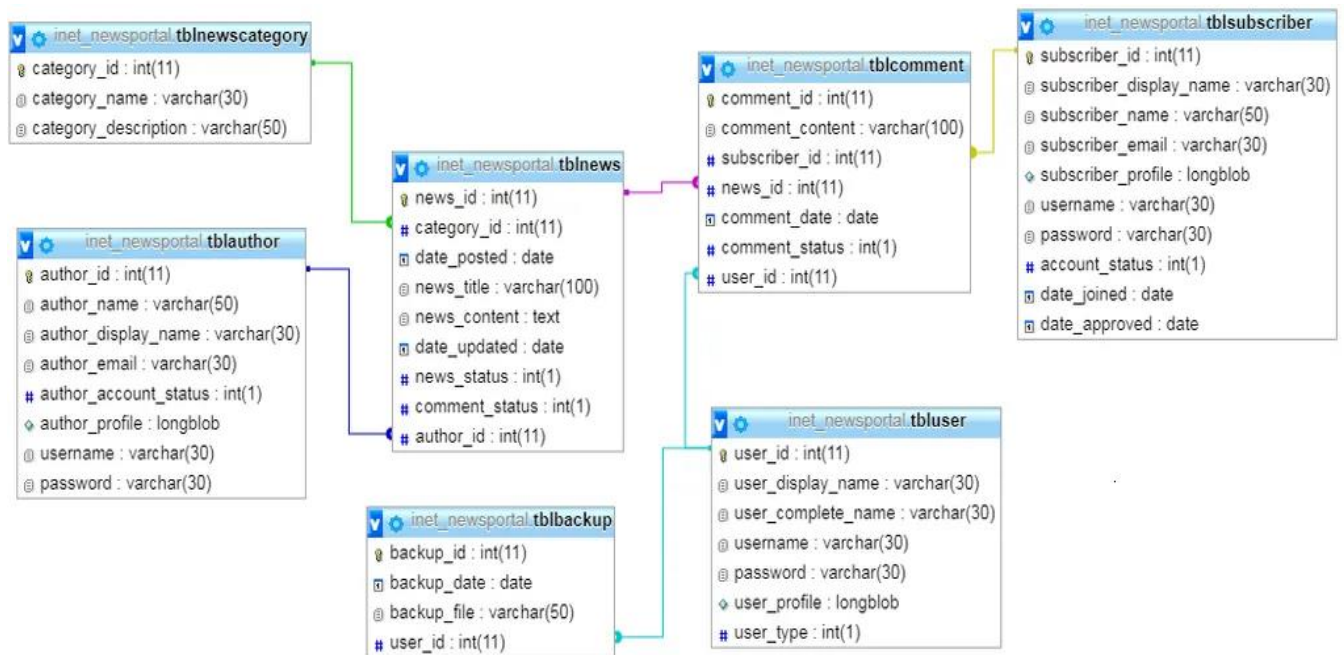## 1.1 Context Diagram and Data Flow Diagram
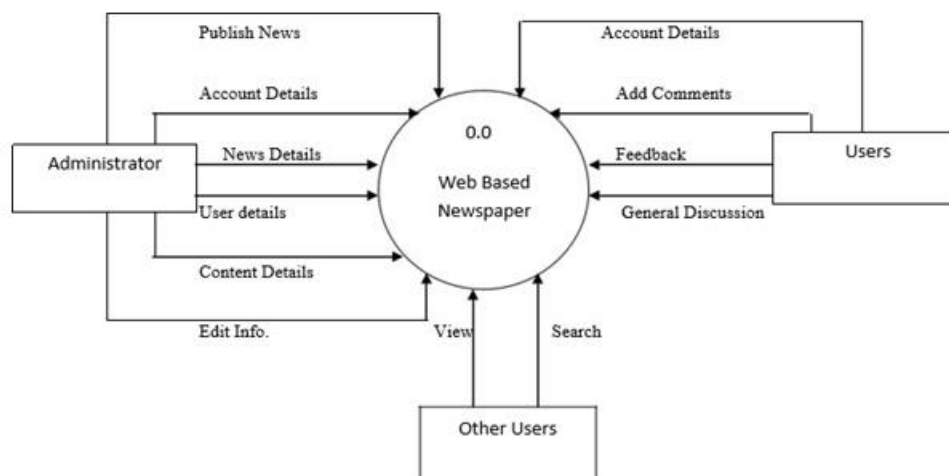
CONTEXT DIAGRAM
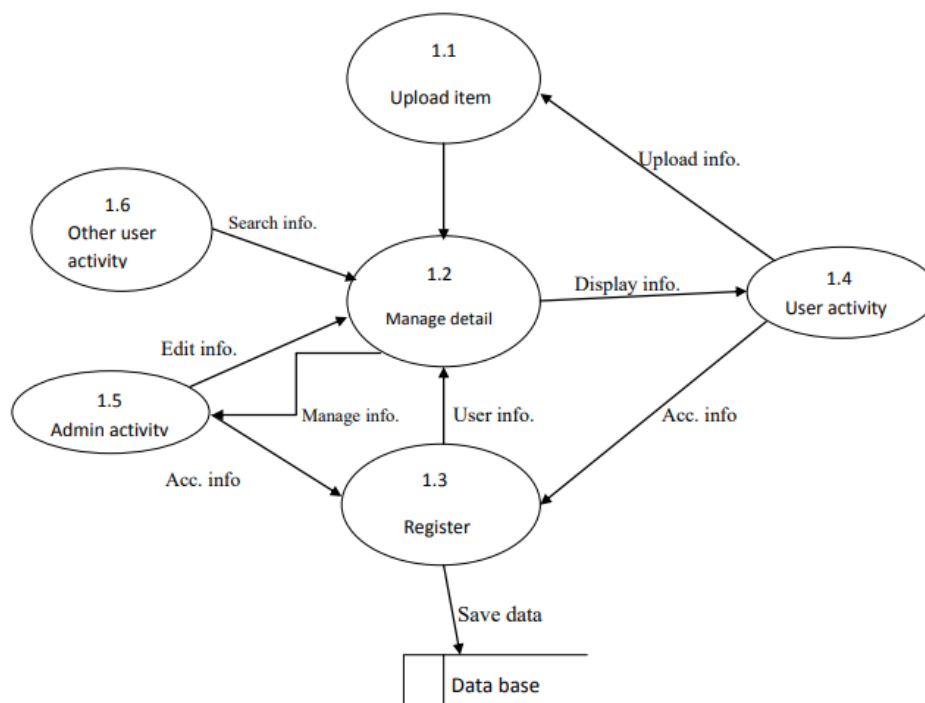
Level-1 DFD

2. Entity Relationship Diagram:

ER-DIAGRAM

3. Database Table:

Database Table

4. Data Dictionary:

News Details: {Sports News + Education News + Business news…}

User Details: {User Id + Email Id + Password}
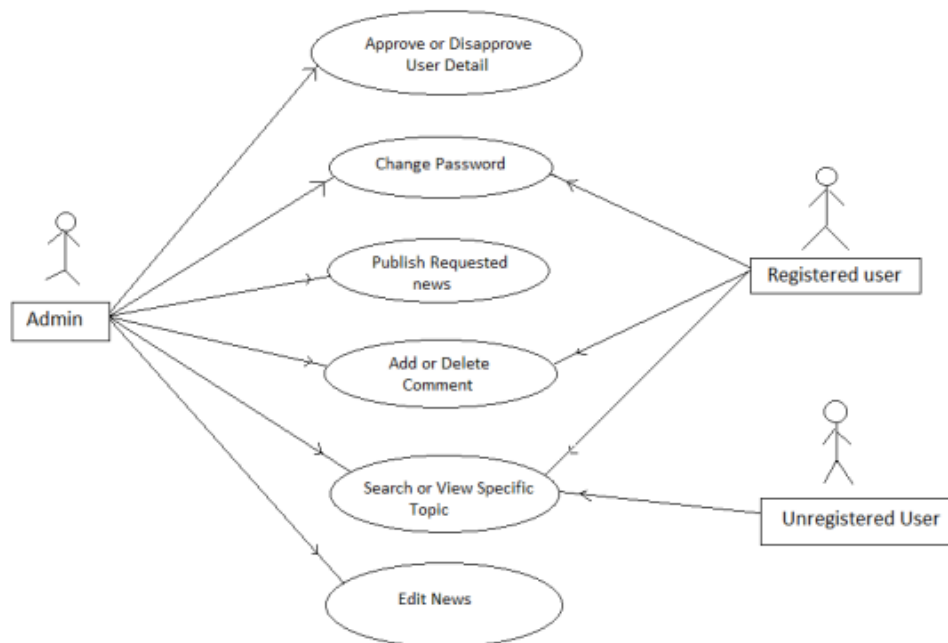
Content Details: {Email Id + Message}

Account Details: {User+ Old Password + New Password}

Feedback: {Name+ Email+ Message}

View Detail: {Headlines + Previous News}

Search Detail: {Topic + News}

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5. Use Case diagram:

Admin:

1. The admin just need to have login access
2. Upload news, along with an image. Update news, images, Delete news and images
3. Approve or Disapprove User Details
4. Change Password
5. Publish Required news
6. Add or delete Comment
7. Search Specific Topic
8. Edit News

User:

1. The user just needs to have login access
2. Change Password
3. Add or delete comment
4. Search or View Specific Topic

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10) BIBLIOGRAPHY

Developing or creating a product need a lot of go through with documentation so hence this are some of the links we use during the web app development.

We are using various type of books and websites from which we get the Knowledge about MEAN Stack Which are following:-

1. Fundamentals of Software Engineering. New Delhi: Prentice-Hall India.

2. Software Engineering, Girdhari Singh, ShaliniPuri.

3. Fundamental of Software Engineering Rajib mall, Phi.

4. Full-Stack JavaScript Development with MEAN

5. https://angular.io

6. WWW.Google.com

7. WWW.W3schools.com

8. Photoshop

9. https://nodejs.org

10. www.tutorialspoint.com

11. www.wikipedia.org