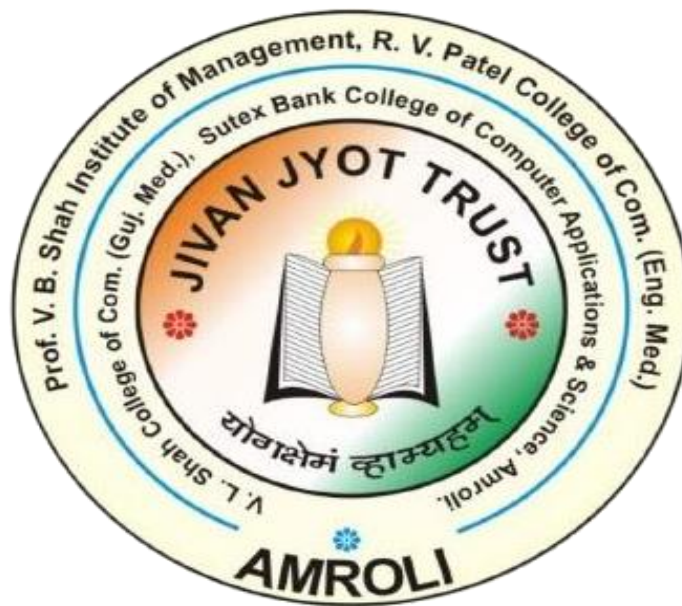


Prof.V.B.Shah Institute of Management & R.V.Patel College of Commerce (Eng.Med.) & V.L.Shah  
College of Commerce (Guj.Med.) &

## **Sutex Bank College of Computer Applications & Science, Amroli**

(Accredited 'B' (CGPA 2.55) by NAAC Dec.-2009)

**VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT**



### **PROJECT REPORT**

**ON**

### **News Management System**

**SUBMITTED BY:**

Sabhajeet Lalchand Yadav

**GUIDED BY:**

~Sanskriti Ramani

**Exam No:**

**Roll No: 127**



**PROF. V. B. SHAH INSTITUTE OF MANAGEMENT,  
R. V. PATEL COLLEGE OF COMMERCE (ENG. MED.),  
V. L. SHAH COLLEGE OF COMMERCE (GUJ. MED.) &  
SUTEX BANK COLLEGE OF COMPUTER APPLICATIONS & SCIENCE**

Managed by Jivan Jyot Trust, Amroli.

All Colleges are Affiliated to Veer Narmad South Gujarat University, Surat.

Self Financed B.B.A. - B.Com. (Eng. & Guj. Med.) - B.C.A & B.Sc. Data Science Degree Programme

Accredited by National Assessment and Accreditation Council with "B" Grade

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# *Bachelor of Computer Application*

## *Project Certificate*

*This is to certify that Mr. SABHAJEET LALCHAND YADAV Exam  
No: \_\_\_\_\_ (Roll No: 127) has successfully completed his Minor  
Project Work on the Title : News Management System for the  
Subject: Advance Web Design of the 5<sup>th</sup> Semester during the  
academic year 2024-25.*

Internal Guide : Ms. Sanskruti Ramani

Signature : 

Date : \_\_\_\_\_



**Dr. Mukesh R. Goyani**  
Principal

External Examiner : \_\_\_\_\_



# News Management System

## Details

1	1.1-OVERVIEW	
2	1.2-KEY FEATURES	
3	1.3-TECHNICAL DETAILS	
4	1.4-BENEFITS	
5	DIAGRAMS	
6	2.1-USER PROCESS FLOW DIAGRAM	
7	2.2-DATA FLOW DIAGRAM	
8	2.3-ENTITY-RELATIONSHIP {ER} DIAGRAM	
14	DATABASE DESIGN	

## 1.Introduction

### 1.1 Overview

- Project Name: News Management System

- Purpose News Management System

#### Content Delivery:

They provide timely and relevant news to the audience, ensuring that users stay informed about current events and developments.

#### User Engagement:

These websites often include features like comments, polls, and social media integration to engage readers and encourage interaction.

**Monetization:** News websites generate revenue through advertisements, subscriptions, and sponsored content. Effective management ensures these revenue streams are optimized

#### Content Organization:

They categorize and archive news articles, making it easier for users to find and access past content

# News Management System

## Personalized Content:

Use algorithms to recommend articles based on user preferences and reading history.

## Push Notifications:

Keep users updated with breaking news and personalized alerts.

## Social Sharing:

Make it easy for users to share articles on social media platforms.

## User Comments and Discussions:

Allow users to comment on articles and engage in discussions.

## Multimedia Integration:

Include images, videos, and infographics to make articles more engaging.

## Offline Reading:

Enable users to save articles for offline reading.

### 1.3 Technical details:

- Framework: Built using Html and CSS and JavaScript and bootstrap for the frontend and Php for the backend.
- Database: Uses SQL for fast and flexible data storage.
- APIs: RESTful APIs for efficient data exchange between client and server.
- Hosting: Deployed on AWS for scalable and reliable hosting solutions.

#### Benefits

- Enhanced Productivity: Simplifies content management processes for faster publication.
- Improved SEO: Built-in tools to boost article visibility on search engines.
- Better Engagement: Analytics provide insights to tweak content for better reader engagement.
- Scalability: Easily handle growing amounts of content and user traffic.
- Security: Robust authentication and data protection measures.

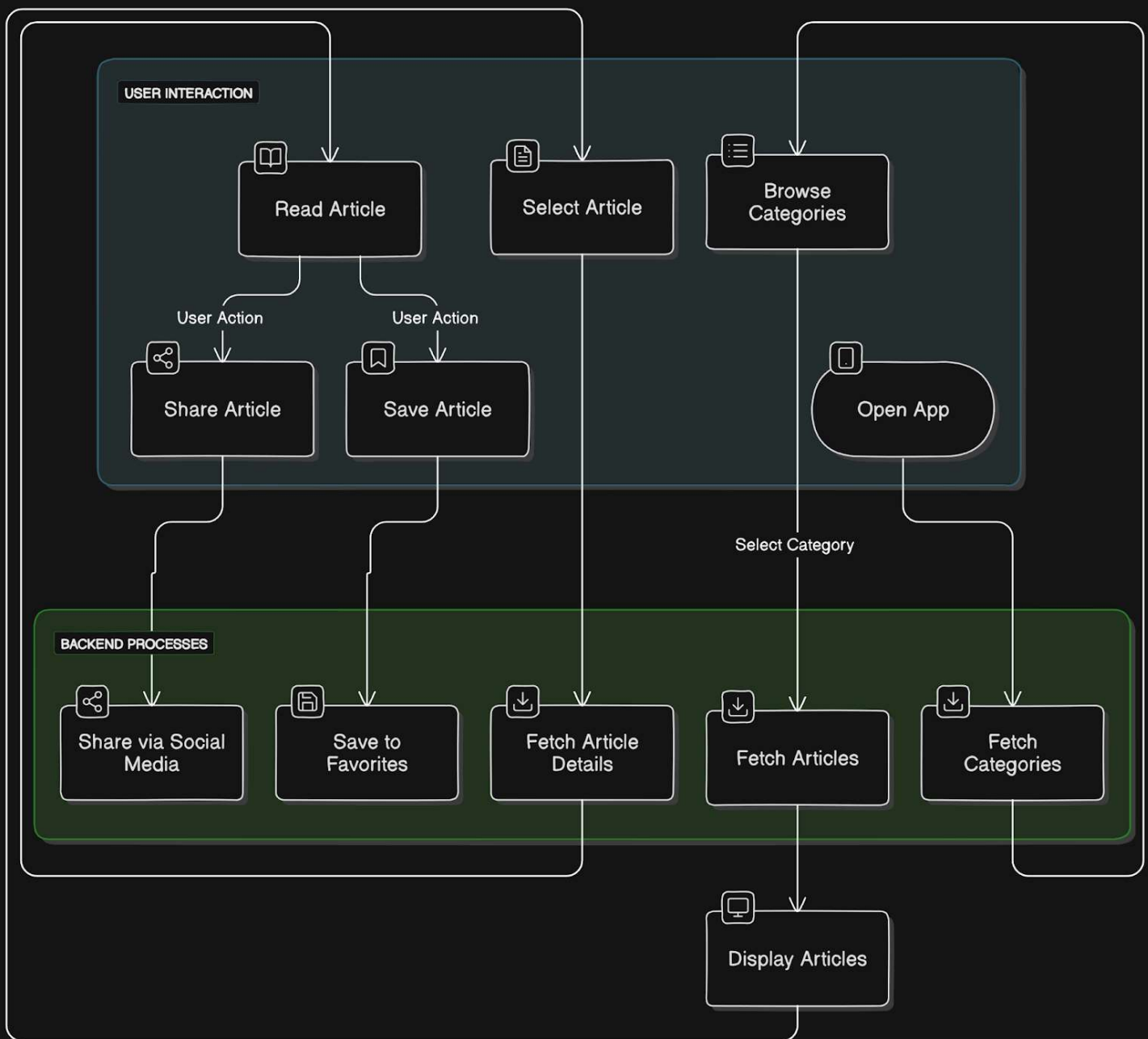
# News Management System

## DIAGRAMS

### • User process flow

- Log in or register.
- reading articles or trending news
- Saved news
- Update profile

News App Flowchart

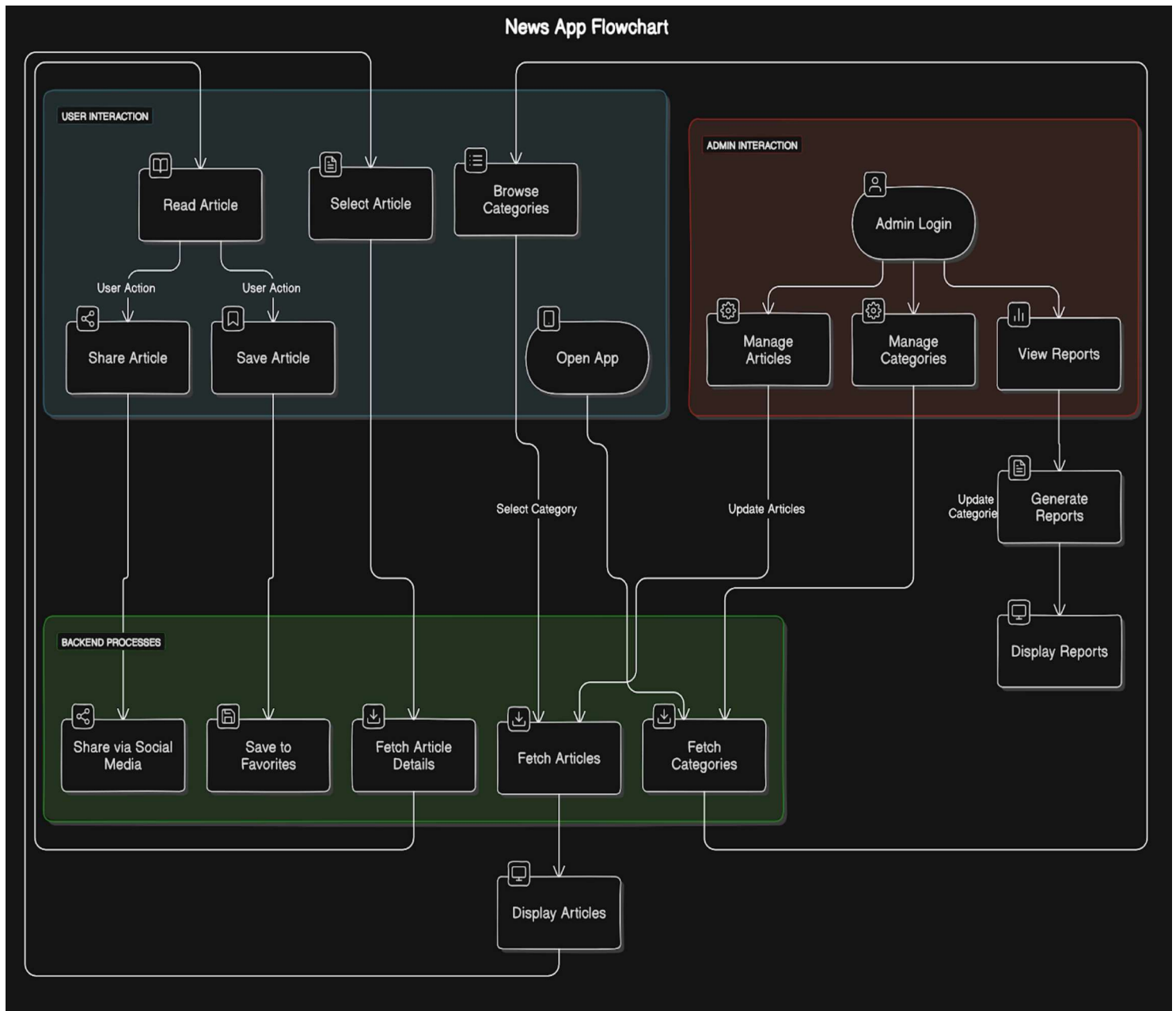




# News Management System

## • admin based flow

- Log in or register
- daily active users
- manage user accounts
- performing insert and delete, update in database



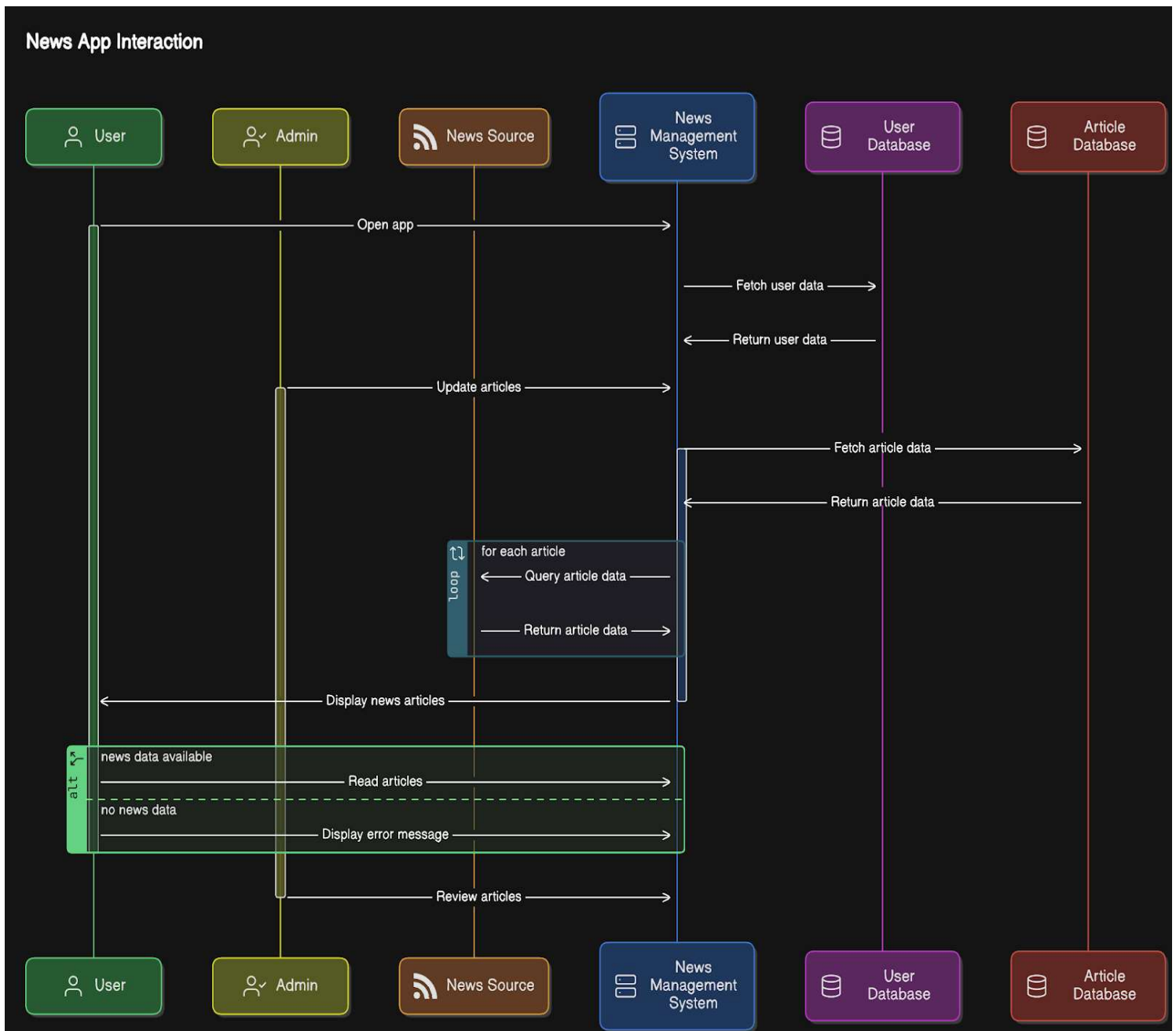


# News Management System

## DFD FLOW DIAGRAM

### Level 0 DFD

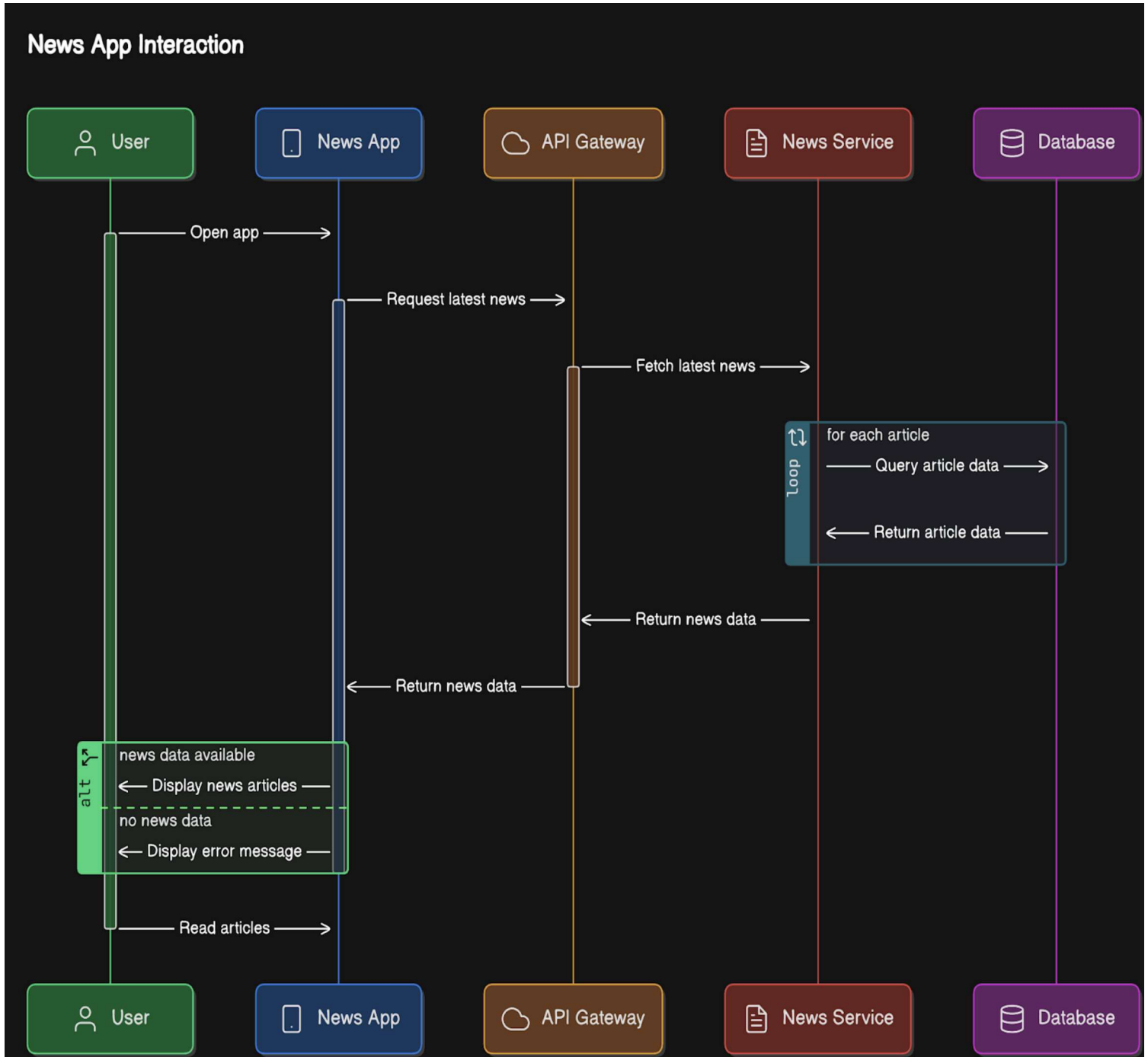
- This is the highest level of DFD, showing the system as a whole and its interactions with external entities.
- External Entities: Users, Admins, News Sources
- Processes: News Management System
- Data Stores: User Database, Article Database



# News Management System

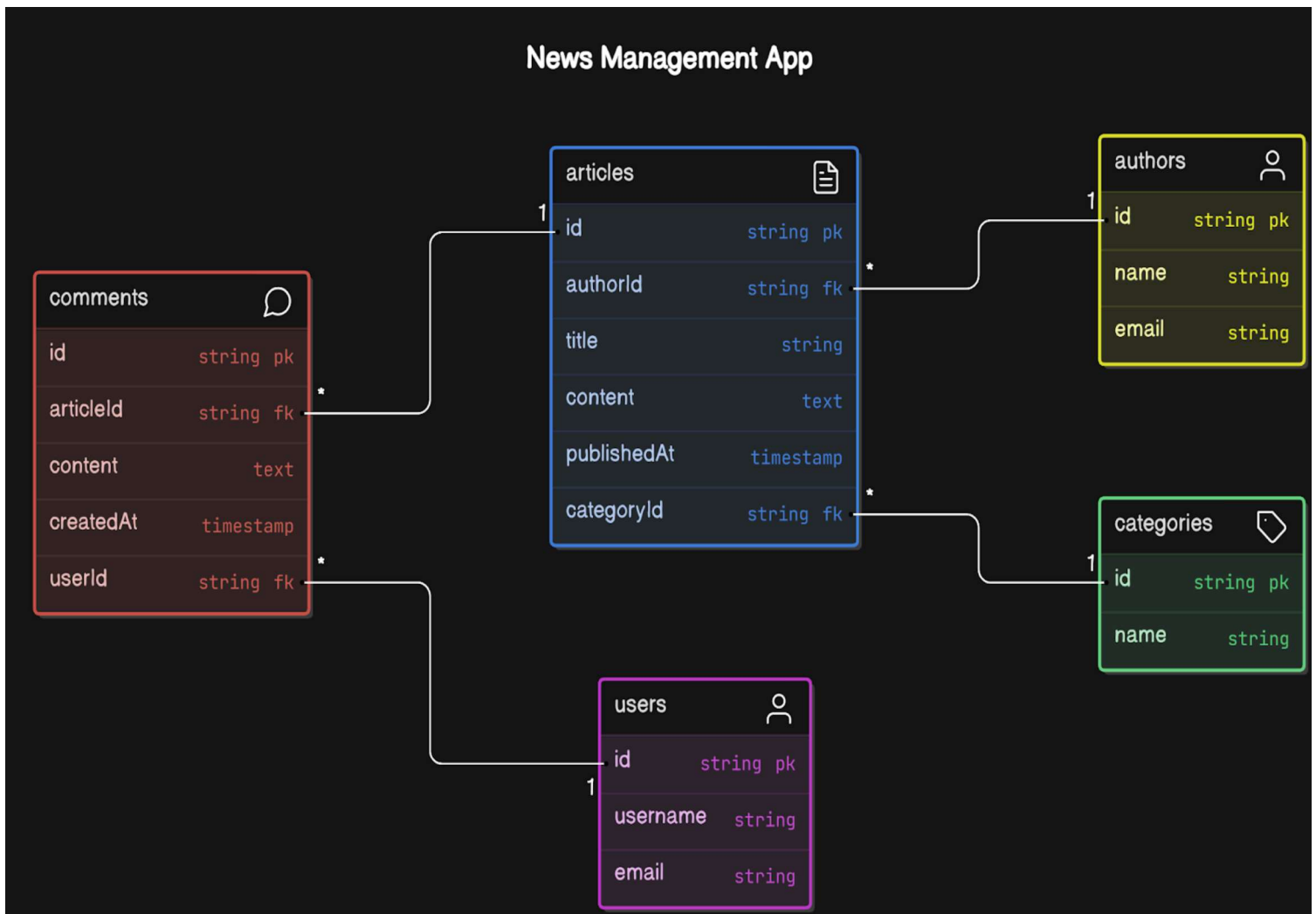
## • Level 1 DFD

This level breaks down the main process into sub-processes.



## 2.3 Entity-Relationship (ER) Diagram

The ER diagram defines the relationships between the entities in the system and how they interact within the SQL database.



## 8.Database Design

### • User table:

User Table		
Field name	Data type	constraints
<b>id</b>	number	Not null
<b>Name</b>	string	Default null
<b>Email</b>	string	Not null
<b>Password</b>	string	Not null
<b>profile image</b>	String	Default null

## News Management System

### ● categories table:

categories Table		
Field name	Data type	constraints
<b>id</b>	number	Not null
<b>News articles</b>	String	Not null
<b>news analysis</b>	String	Not null
<b>editorials and opinions</b>	String	Not null
<b>News Stories</b>	String	Not null
<b>Sports journalism</b>	String	Not null
<b>Entertainment journalism</b>	String	Not null

## ● Articles table

Articles Table		
Field name	Data type	constraints
id	int	Not null
authorId	number	Not null
title	String	Not null
content	String	Not null
Published date	date	Not null
categories	String	Not null

## News Management System

- **signup:**

### Signup

Name

Email

Mobile

Password



## News Management System

- **login:**

**Login** to your account? **signup**

Email

Password

'Password must be at least 8 characters long one uppercase letter one lowercase one digit and a special character'

[ForgetPassword](#)

Login

- **Admin login:**

**Login**

**if You are admin then login**

Email

Password

Login

- **Reset password:**

## Reset Password

Email address

New Password

Confirm Password

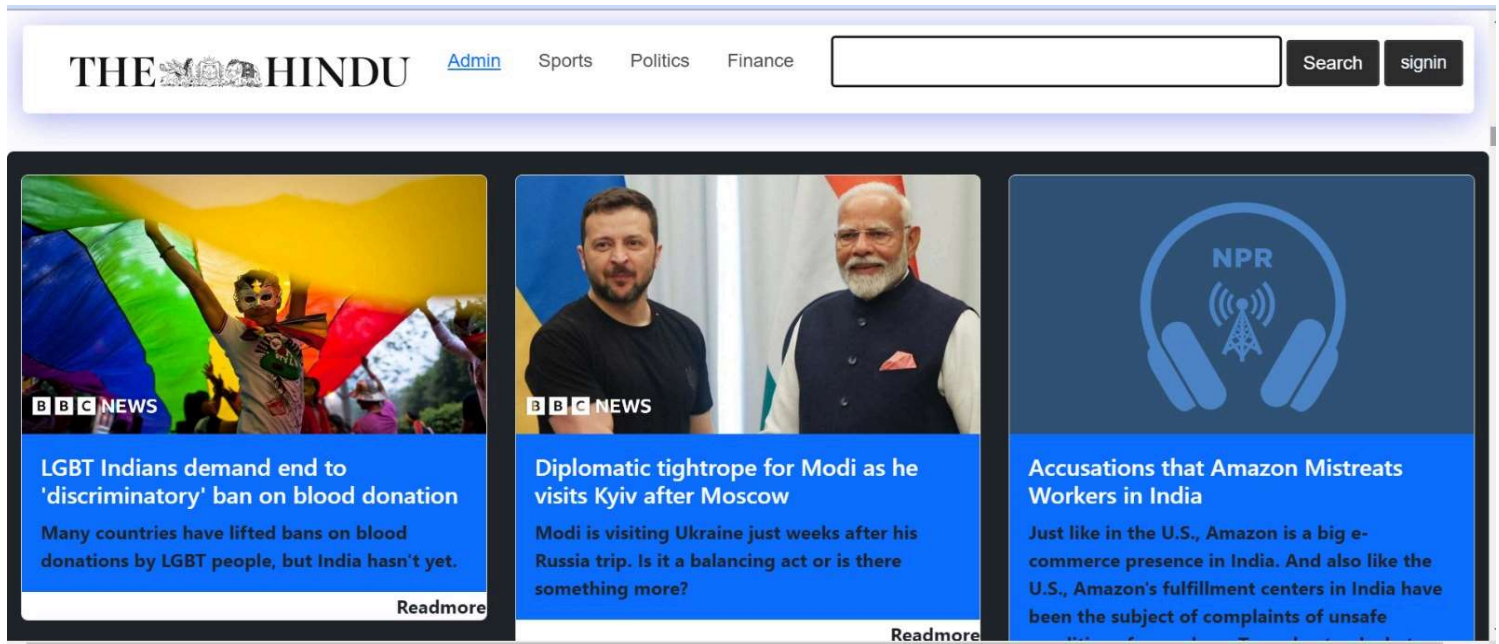
Submit

## News Management System

### ● Database:

Id	Email	Password	Delete
10	saaurabh@gmail.com	!Hb34789	<a href="#">Home</a>
11	shiv@gmail.com	!Qw34567	<a href="#">Home</a>
12	heer@gmail.com	!As34567	<a href="#">Home</a>
13	aditya@gmail.com	1!Asrt56	<a href="#">Home</a>
14	yogesh@gmail.com	!As45678	<a href="#">Home</a>

- Home page



# News Management System

- Search bar:

THE HINDU

[Admin](#)

Sports


Politics

Finance

rohit sharma captain


Search

signin




**'If Rohit Comes In Auction...': PBKS Official Hints At Stunning IPL Move**

Indian cricket team captain Rohit Sharma has been in the middle of a lot of chatter when it comes to his future in the Indian Premier League (IPL).



**Virat Kohli, Yashasvi Jaiswal move up in Test rankings, Rohit Sharma drops to 6th**

Dubai, Aug 28 (PTI) Senior India batter Virat Kohli moved up two rungs to eighth place while his captain Rohit Sharma dropped a spot to sixth in the latest ICC Test rankings released



**Shreyas Iyer's Loud "Intent" Remark A Message To Gambhir, Rohit**

With a cracking half-century, and comments to follow up, Iyer seems to have sent a loud and clear message to India captain Rohit Sharma and head coach Gautam Gambhir.

# News Management System

**developed by :**

- **Gaurav RameshChandra Pandey**
- **Sabhajeet Lalchand Yadav**
- **Saini Harikesh Amlaprasad**
- **Galani Jenis Dineshbhai**
- **Patel pratham**