

RAPID NEWS WEBAPP

MINOR PROJECT REPORT

Submitted by

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Under the Guidance of

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In partial fulfilment of the requirements for the Award of the Degree of

BACHELOR OF COMPUTER APPLICATIONS

Of Bharathiar University, Coimbatore



DEPARTMENT OF COMPUTER APPLICATIONS **PSG COLLEGE OF ARTS & SCIENCE**

An Autonomous College – Affiliated to Bharathiar University

Accredited with A Grade by NAAC (3rd Cycle)

College with Potential for Excellence

(Status awarded by the UGC)

Star College Status Awarded by DBT-MST

An ISO 9001:2015 Certified Institution

Civil Aerodrome POST

COIMBATORE-641014

NOVEMBER 2021

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CERTIFICATE

This is to certify that this minor project work entitled “**Rapid News WebApp**” is a bonafide record of work done by **MANOJ KUMAR KU (19BCA024)** in partial fulfilment of the requirements for the award of the Degree of Bachelor Of Computer Applications of Bharathiar University.

Faculty Guide

Head of the Department

Submitted for Viva-Voice Examination held on_____.

Internal Examiner

External Examiner

DECLARATION

I, **MANOJ KUMAR KU (19BCA024)**, do here by declare that this Minor Project work entitled “**RAPID NEWS WEBAPP**”, is submitted to PSG College of Arts and Science (Autonomous), Coimbatore in partial fulfilment for the award of the degree of **BACHELOR OF COMPUTER APPLICATIONS** is a record of original work done by me under the supervision and guidance of **Dr.B.UMA MAHESWARI MSc MCA MPhil PhD**. Associate professor in Bachelor of Computer Applications Department, PSG college of Arts & Science, Coimbatore.

This project work has not been submitted by me for the award of any other Degree/Diploma/ Associate ship/ fellowship or any other similar degree to any other university.

PLACE: COIMBATORE

DATE:

MANOJ KUMAR KU

(19BCA024)

ACKNOWLEDGEMENT

My venture stands imperfect without dedicating my gratitude to a few people who have contributed a lot towards the victorious completion for my project work.

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I express my deep sense of gratitude and sincere thanks to our Principal **Dr. D. Brindha M.Sc., M.Phil., Ph.D., MA (Yoga).**, for her valuable advice and concern on students.

I am very thankful to **Dr. A Anguraj, M.Sc., M.Phil., Ph.D.**, Vice Principal(Academics), **Dr. Jayanthi M M.Com., MBA., M.Phil., Ph.D.**, Vice Principal (Student Affairs), **Prof. M Umarani, MBA, M.Phil., Faculty-In-Charge (Student Affairs)**, for their support towards my project.

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This note of acknowledgement will be incomplete without paying my heartfelt devotion to my parents, my friends and other people, for their blessings, encouragement, financial support and the patience, without which it would have been impossible for me to complete the job.

ABSTRACT

Rapid News web-app is a web-app for reading short news feeds. With this web-app, we want to entertain the world. The primary goal of the web-app is for offering online newsfeeds from different domains and country wise results, including different categories. Whatever your taste, and no matter where you live, we give you access to official newscontent, short news with no ads.

This Web app pick-up articles from all the favourite sources and present them in less than 80-word shorts. The users can also read full articles of the news feeds that interest them, within the webapp. The user can also able save their interested news feeds in their browser so that it will available in their favourite tab.

This Web app also provides the users the option for reading news from their desired countries , the news feeds from the countries domain will only display so the user can read the country wise domain sources. The user can also search about any news in this site so that it will brings the related news from different domains whether the news is old or new it doesn't matters.

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1. INTRODUCTION

1.1 Project Overview

We don't have time to go through long news articles everyday. So **Rapid News Webapp** cut the clutter and deliver them, in 60-word shorts. Short news for the rapid generation. We pick-up articles from all your favourite sources and present them in 60-word shorts. Read full articles that interest you, with the help of link provided.

1.2 Project Description

This project is aimed to deliver all articles in 60-word short on online. The entire project has been developed keeping in view of the distributed client server computing technology.

Through this application any person who need to watch a movie trailers can watch independent of time and language and chat with other users. Thus webapp is a free-webbased News Article site that allows people to read articles and contents without commercials on an internet-connected device. The user can able to save favourite feed , it will be available in the saved list every time .You can review the system requirements for web browser compatibility, and check your internet speed of Recommended megabits per second 1.5 and minimum of 0.5 to achieve the best performance.

2.SYSTEM SPECIFICATIONS

2.1 System Requirements:

COMPONANTS	REQUIREMENTS
OPERATING SYSTEM	Microsoft windows 10
GRAPHICS	Intel HD graphics
FRONT- END	REACT JS,HTML,MATERIAL UI
BACK-END	NEWS API,NPM SERVER

2.2 Hardware Requirements:

COMPONANTS	REQUIREMENTS
PROSSOSOR	Intel® Core™ i5-4210H Processor 2.90 GHz
RAM	4.00GB(2.74GB usable)
HARD DISK DRIVE	500GB
CACHE MEMORY	2MB
INTERNET	Modem and SIM slot
BASIC COMPONENTS	Battery, Mouse and standard QWERTY Keyboard.

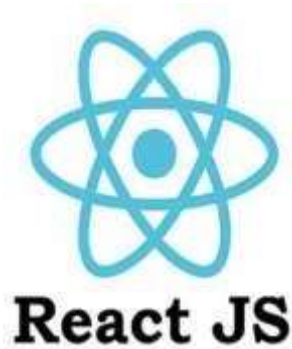
OVERVIEW OF FRONT END:

REACT JS:

React is the most popular front-end JavaScript library in the field of web development. It is used by large, established companies and newly-minted startups alike (Netflix, Airbnb, Instagram, and the New York Times, to name a few). React brings many advantages to the table, making it a better choice than other frameworks like Angular.js.

React is a JavaScript library created for building fast and interactive user interfaces for web and mobile applications. It is an open-source, component-based,

front-end library responsible only for the application's view layer. In Model View Controller (MVC) architecture, the view layer is responsible for how the app looks and feels. React was created by Jordan Walke, a software engineer at Facebook.



Why React?

- Easy creation of dynamic applications
- Improved performance
- Reusable components
- Unidirectional data flow
- It can be used for the development of both web and mobile apps

JAVASCRIPT:

JavaScript is a scripting or programming language that allows you to implement complex features on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, etc. — you can bet that JavaScript is probably involved. It is the third layer of the layer cake of standard web technologies

JavaScript is one of the core technologies of the World Wide Web. Over 97% of websites use it client-side for web-page behavior, often incorporating third-party

Libraries. Most web browsers have a dedicated Js engine to execute the code on the user's device.

HTML:

HTML (Hypertext Markup Language) is used to create documents on the World Wide Web. It is simply a collection of certain key words called 'Tags' that are helpful in writing the document to be displayed using a browser on Internet. It is a platform independent language that can be used on any platform such as Windows, Linux, Macintosh, and so on. To display a document in web it is essential to mark-up the different elements (headings, paragraphs, tables, and so on) of the document with the HTML tags. To view a mark-up document, user has to open the document in a browser. A browser understands and interprets the HTML tags, identifies the structure of the document (which part is which) and makes decisions about presentation (how the parts look) of the document. HTML also provides tags to make the document look attractive using graphics, font size and colors. User can make a link to the other document or the different section of the same document by creating Hypertext Links also known as Hyperlinks.

MATERIAL UI:

Material-UI is a simple and customizable component library to build faster, beautiful, and more accessible React applications. Follow your own design system, or start with Material Design.

Material UI is our favorite React UI library and to be honest there isn't even a second UI library for React that we can even recommend. It's extremely difficult to make a good UI library for a variety of reasons. It's not just the amount of work it takes to produce components that are usable and look nice, but these components need to be documented well, have working examples, and support the endless amount of edge cases like responsiveness, accessibility, translation, theming and so on.

The amount of work that's been put into Material UI makes it our default choice for professional projects. If you've ever tried to build your own UI library you know how tedious it is to get the style and functionality right. So by choosing Material UI, you're saving yourself a lot of time that you can spend on building features for your project or business.

OVERVIEW OF BACK END

NEWS API:

News API is a simple HTTP REST API for searching and retrieving live articles from all over the web. It can help you answer questions like: You can search for articles with any combination of the following criteria:

- **Keyword or phrase.** Eg: find all articles containing the word 'Microsoft'.
- **Date published.** Eg: find all articles published yesterday.
- **Source domain name.** Eg: find all articles published on thenextweb.com.
- **Language.** Eg: find all articles written in English. You can sort the results in the following orders:

- Date published
- Relevancy to search keyword
- Popularity of source

Authentication:

Authentication is handled with a simple API key.

You can attach your API key to a request in one of three ways:

- Via the apiKey query string parameter.
 - Via the X-API-Key HTTP header.
 - Via the Authorization HTTP header. Including Bearer is optional, and be sure not to base 64 encode it like you may have seen in other authentication tutorials. We strongly recommend the either of last two so that your API key isn't visible to others in logs or via request sniffing.
- If you don't append your API key correctly, or your API key is invalid, you will receive a 401 - Unauthorized HTTP error.

Endpoints:

News API has 3 main endpoints:

- **Everything /v2/everything** – search every article published by over 80,000 different sources large and small in the last 3 years. This endpoint is ideal for news analysis and article discovery.
- **Top headlines /v2/top-headlines** – returns breaking news headlines for countries, categories, and singular publishers. This is perfect for use with news tickers or anywhere you want to use live up-to-date news headlines.

There is also a minor endpoint that can be used to retrieve a small subset of the publishers we can scan:

- **Sources /v2/top-headlines/sources** – returns information (including name, description, and category) about the most notable sources available for obtaining top headlines from. This list could be piped directly through to your users when showing them some of the options available.

SERVER:

NPM:

- npm is the world's largest Software Registry.
- The registry contains over 800,000 code packages.
- Open-source developers use npm to share software.
- Many organizations also use npm to manage private development.

NPM – or "Node Package Manager" – is the default package manager for JavaScript's runtime Node.js.

It's also known as "Ninja Pumpkin Mutants", "Non-profit Pizza Makers", and a host of other random names that you can explore and probably contribute to over at [npm-expansions](#).

NPM consists of two main parts:

a CLI (command-line interface) tool for publishing and downloading packages, and an online repository that hosts JavaScript packages

For a more visual explanation, we can think of the repository [npmjs.com](#) as a fulfilment centre that receives packages of goods from sellers (npm package authors) and distributes these goods to buyers (npm package users).

3.SYSTEM ANALYSIS

3.1 Existing System

Usually people reads news feeds from only one Domain source. There will be some retardation for the search option. There will be more unwanted resources present in that sites , this will sometimes disturbs the readers .Lots of annoying advertisement which will pop up or it present in somewhere in the site ,it redirects the user to that webpage , there will be high risks of Malware attacks. Users cant able to save their favorites news.

3.2 Proposed System

The users can able to search results from different domain sources ad free content. The users can able to get news from their desired country wise domain search result from different source. Most of the contents present in this app is Official resources .Most of the contents are Ad free contents. Users can able to save their favorites news it will saved in their Browser.

4.SYSTEM DESIGN

4.1 DATA FLOW DIAGRAM:

A data-flow diagram (DFD) is a graphical representation of the "flow" of data through an information system. DFDs can also be used for the visualization of data processing (structured design). On a DFD, data items flow from an external data source or an internal data store to an internal data store or an external data sink, via an internal process. The purpose of a DFD is:

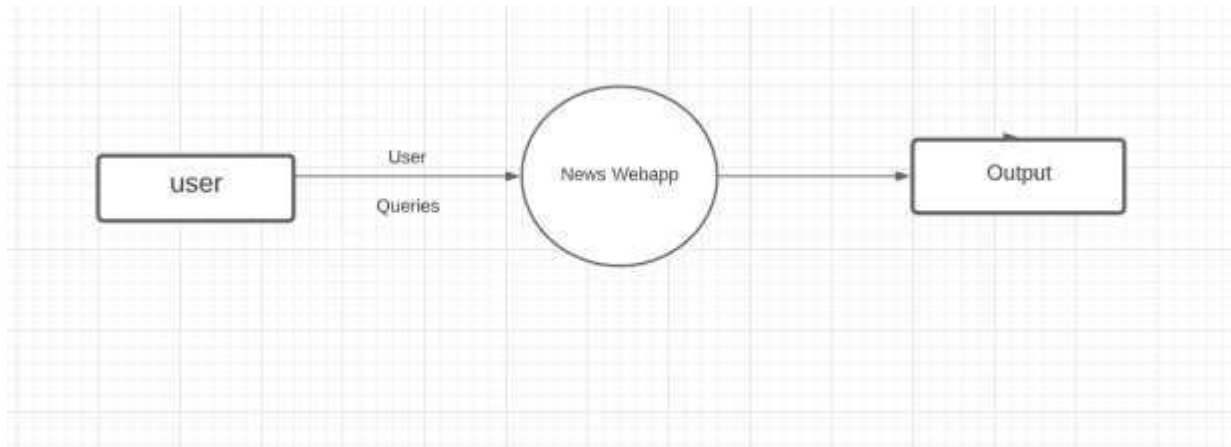
- ✓ To show the scope and boundaries of a system
- ✓ To show that the whole system has been considered
- ✓ May be used as a communications tool between a systems analyst and any person who plays a part in the system
- ✓ To act as the starting point for redesigning a system

The physical data flow diagrams show the actual implements and movement of data between people, departments and workstations. A full description of a system actually consists of a set of data flow diagrams. Using two familiar notations Yourdon, Gane and Sarson notation develops the data flow diagrams. Each component in a DFD is labeled with a descriptive name. Process is further identified with a number that will be used for identification purpose.

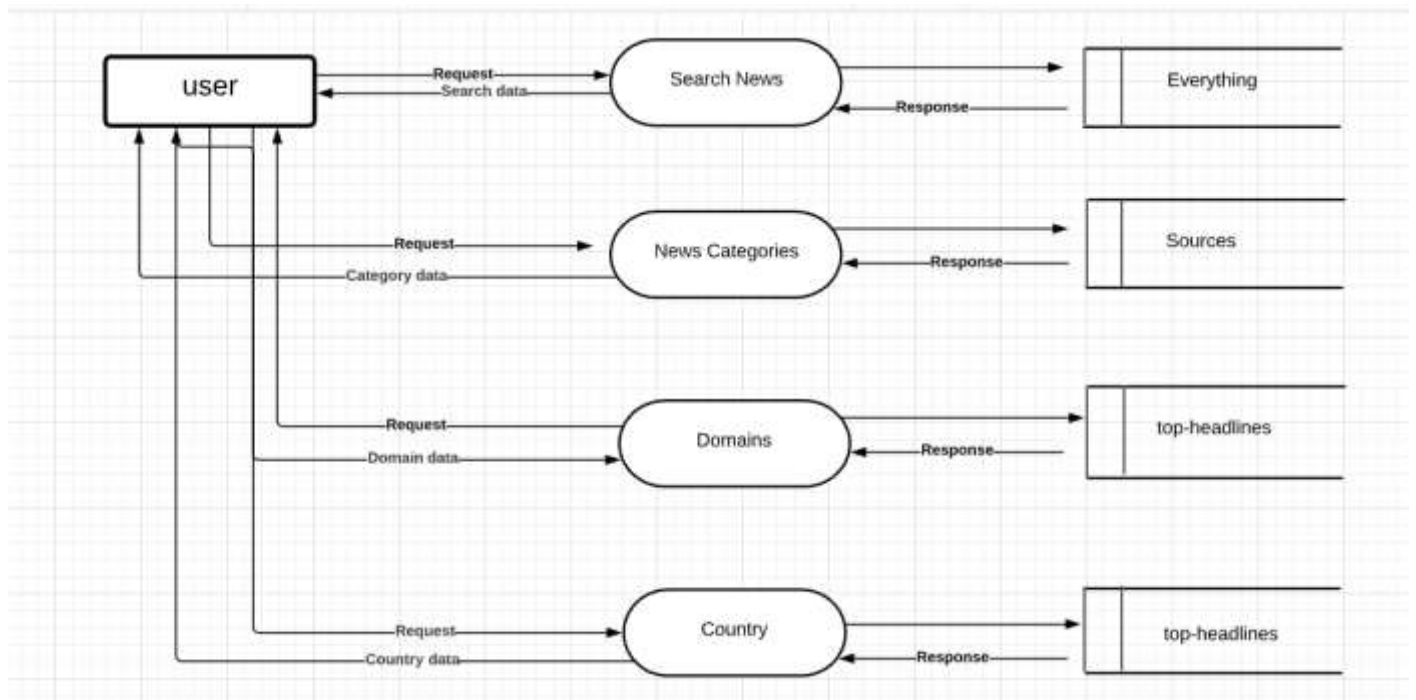
The development of DFD'S is done in several levels. Each process in lower level diagrams can be broken down into a more detailed DFD in the next level. The lop-level diagram is often called context diagram. It consists a single process bit, which plays vital role in studying the current system. The process in the context level diagram is exploded into other process at the first level DFD.

The idea behind the explosion of a process into more process is that understanding at onelevel of detail is exploded into greater detail at the next level. This is done until further explosionis necessary and an adequate amount of detail is described for analyst to understand the process.

DFD LEVEL-0



DFD LEVEL-1



4.2 MODULE DESCRIPTION

1. Layout
2. Categories Component
3. Domains Component
4. Card Component
5. Search Component
6. Loading Component
7. Headlines Component
8. Favorites Component
9. Domain Search Component

4.2.1 LAYOUT

Layout Component is the component which wrap all other component inside it. This Component makes the approach easy to build. Because we can add component below and above it, if appbar or sidebar as somewhere as well as it makes bit little more flexible this approach, also this component holds the country details.

4.2.2 Categories Component

Explore an array of news categories, all in one place. genre categorizes movies. Categorizing news makes it easier for the viewer to discover what he or she likes and will want to see. Putting a news into a particular category does not diminish the quality of the news by assuming that if it can be put into a category, the news is ordinary and lacks originality and creativity.

Categorizing a news indirectly assists in shaping the facts and the content of the news. The shaping determines the plot and best setting to use.

News often have categories that overlap, such as Technology or Science and Bussiness etc.

All daily news updates related to business, sports, technology, India, world and entertainment in English with inshorts .News is the reporting of current events usually by local, regional or mass media in the form of newspapers, television and radio programs, or sites on the World Wide Web. . Most news is investigated and presented by journalists (or reporters) and often

distributed via news agencies.

Common topics for news reports include war, government, politics, education, health, the environment, economy, business, fashion, and entertainment, as well as athletic events, quirky or unusual events.

The genre of news as we know it today is closely associated with the newspaper.

4.2.3 Domains Component

Domain options are a set of domains offered by our webapp. They Provide some of top domains in the world so that you can able to see the contents from the top domains web sites without even search them.

4.2.4 Card Component

Card Component is used to display the contents of the news in the website , so that the user can be able to see the content of the news like a feeds . This card component also contains buttons which helps the uses to share the news via social media like facebook, whatsapp, telegram, twitter and via email also.

So that the user can share their favourite news instantly by clicking button icons simple and it will share the corresponding news link .

The card component also contains heart button which helps the user to save their favourite news by simply clicking it and it will be available in the local storage and then next time the user can view in the browser with the help of the local storage after reopening the browser.

4.2.5 Search Component

Search component allows user to search news via queries in the search text box which brings the relevant information from the database ,which will be from the different sources of domains.

4.2.6 Loading Component

Loading component displays the loading animation while loading the pages , this will makes data loading comfortable and the user will be aware of data loading .

4.2.7 Headline Component

Headline Component provides live top and breaking headlines for a country, specific category in a country, single source, or multiple sources. Articles are sorted by the earliest date published first.

In this Component you can also filter the top headlines using specified countries.

4.2.8 Favourite Component

In this module the user can view their favourite News, which will be stored in their browser local storage while they surf through the different news from different categories and from different domains. In this component there will be a delete button which allows the user to delete the news feed from the favourite Component.

4.2.9 Domain search Component

With the help of domain search the user can search news feeds from their custom domains such as New YorkTimes, Google News, BBC News etc.

- makes the search domain specific
- content related to the specific domains only

5. SYSTEM TESTING AND IMPLEMENTATION

5.1 SYSTEM TESTING:

It is the stage of implementation, which ensures that system works accurately and effectively before the live operation Commences. It is a confirmation that all are correct and gives opportunity to show the users that the system must be tested with test data and show that the system will operate successfully and produces expected results under expected conditions. The purpose of system testing to identify and correct errors in the candidate system. As important as this phase is, one is frequently compromised. Testing is vital to the parts of the system.so that the goal will be successfully achieved. Inadequate testing or non-testing leads to errors that may not appear until months later. This creates two problems:

- The time lag between the cause and appearance of the problem.
- The effect of system errors on files and records within the system.

5.2 IMPLEMENTATION

System implementation is the important stage of protect where the theoretical design is tuned into the practical system. The main stages in the implementation are as follows:

- Planning
- Training
- System testing and
- Changeover Planning

Planning is the first task in the system implementation. Planning means deciding on the method and the time scale to be adopted. At the time of implementation of any system people from different departments and system.

6.Conclusion:

In summary ,The primary goal of the web-app is for offering global news from a different categories and domains.Today people don't have time to go through long news articleseveryday.So it delivers them in less than 60 words.They also can view the full article also by going to the live site.The user can able to save favourite news feed , it will be available in the favourites list every time.This Site provides Short news for the rapid generation.

6.1 Future Enhancement:

In Future the likes and dislikes of every users can obtain and present itfor everyone. Also there will be the comments section so that the user can able to share their thoughts. There will be a forum so that the people can post questions , ideas and thoughts.There will be also a login system for the users to maintain their ownstuff.

7. Bibliography

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2. Brooke, Pamela (1996) Traditional Media for Gender Communication. New York
3. Allen, Robert C. (editor) (1995) To Be Continued... Soap Operas Around the World. London and New York
4. The Road to React: Your journey to master React.js in JavaScript (2021 Edition),Robin Wieruch
5. Learning Web Design ,A Beginners guide to html css, javascript,(Fourth Edition),Jennifer Niederst Robbins

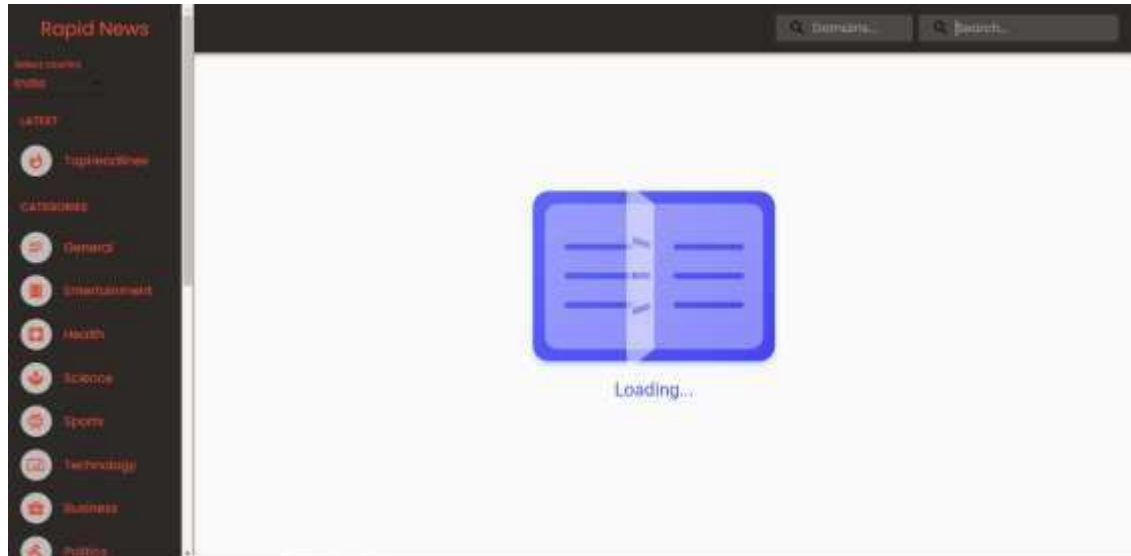
Web References:

1. <https://www.w3schools.com/REACT/DEFAULT.ASP>
2. <https://reactjs.org/>
3. <https://newsapi.org/>
4. <https://mui.com/>
5. <https://stackoverflow.com/>

8. APPENDICES:

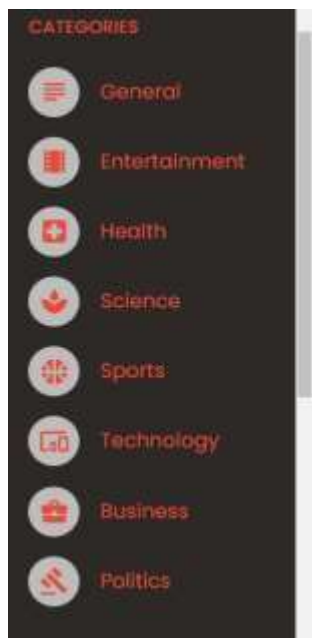
8.1 Screenshots

8.1.1 Layout:



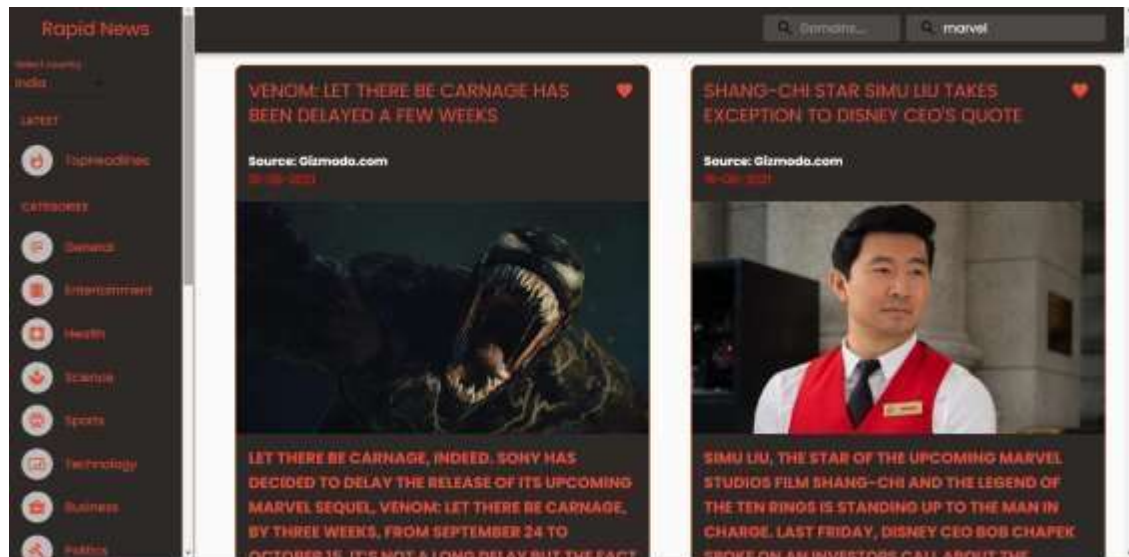
Layout component is the base component which contains the whole architecture of this project. All other components are interconnected in this component to produce whole framework of the website.

8.1.2 Categories Component:



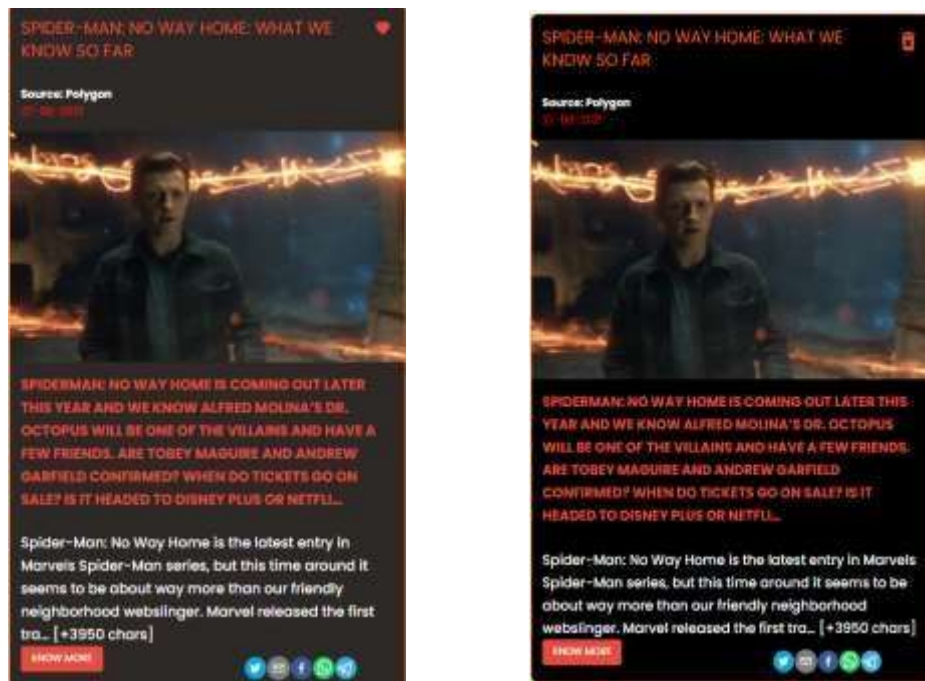
Categorizing a news indirectly assists in shaping the facts and the content of the news. News often have categories that overlap, such as Technology or Science and Business etc. have categories that overlap, such as Technology or Science and Business etc.

8.1.3 Search Component:



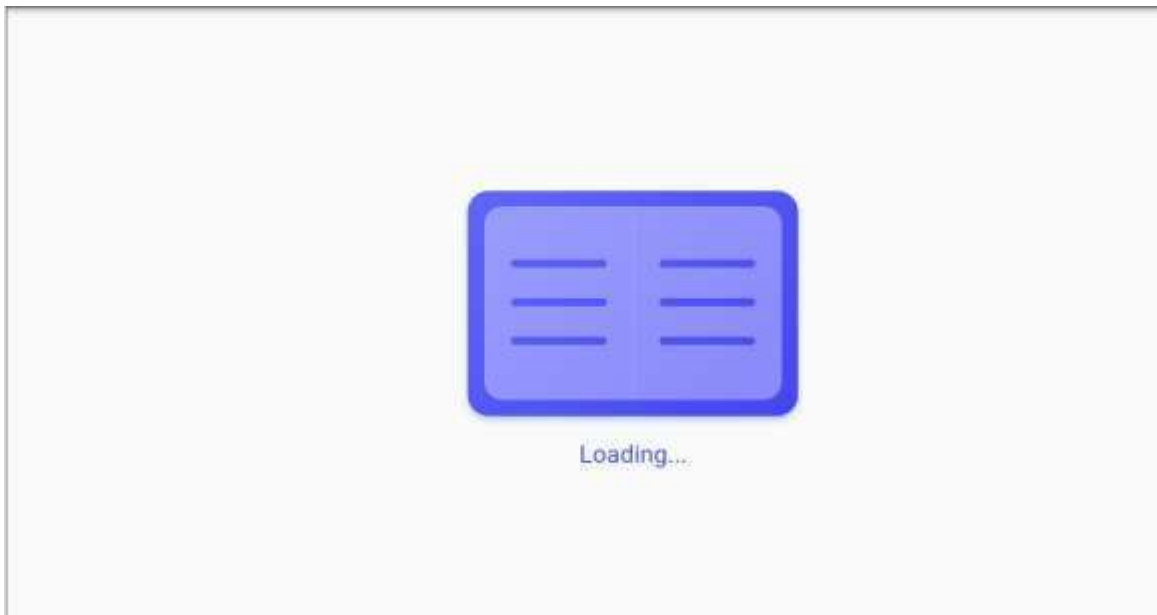
Search component allows user to search news via queries in the search text box which brings the relevant information from the database, which will be from the different sources of domains

8.1.4 Card Component:



Card Component is used to display the contents of the news in the website, so that the user can be able to see the content of the news like a feeds and also share their liked news feed. Read full articles by clicking know more. Also save their desired

8.1.5 Loading Component:



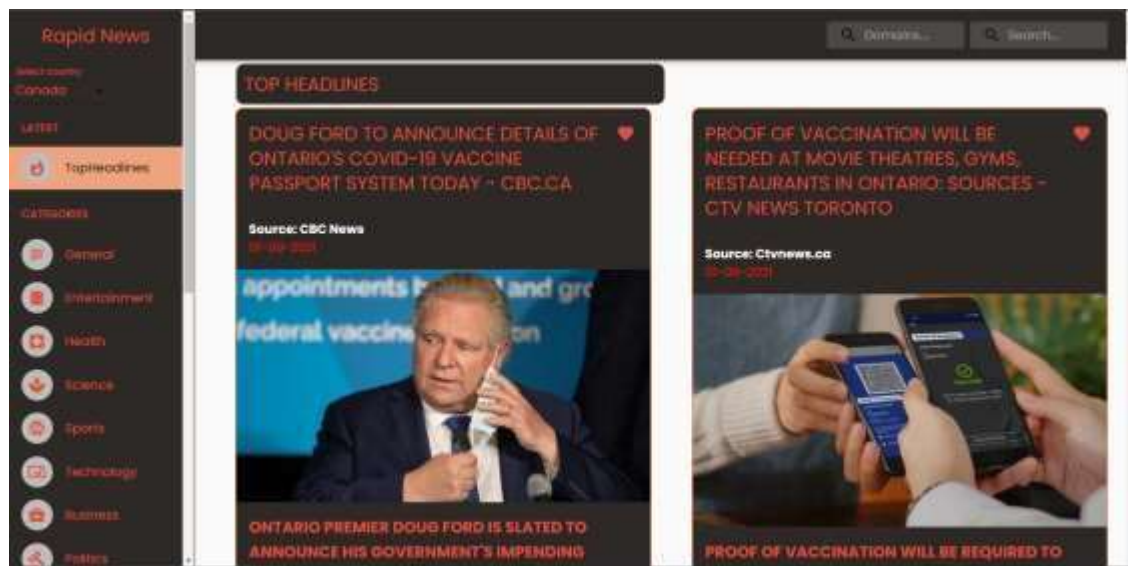
Loading Component is the component which appears when the data is being search from the database , simply it is used to acknowledge the users that the data is being loading.

8.1.6 Favorite Component:



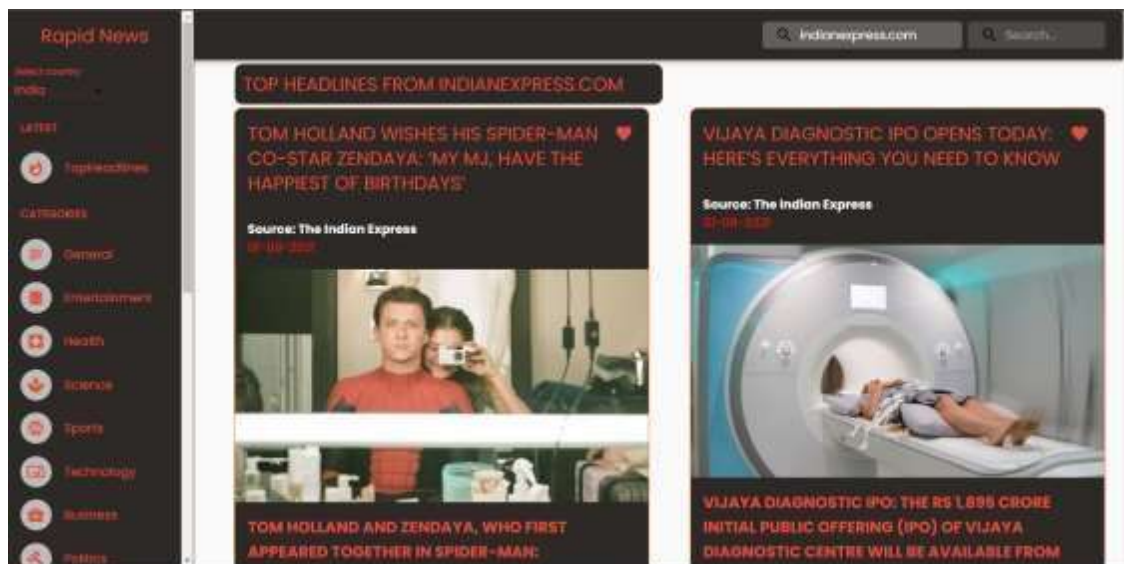
In this module the user can view their favourite News , which will be stored in their browser local storage while they surfing through the different news from different categories and from different domains .

8.1.7 Headline Component:



Headline Component provides live top and breaking headlines for a country, specific category in a country, single source, or multiple sources. Articles are sorted by the earliest date published first.

8.1.8 Domain search Component:



Domain Search options are a set of domains offered by News api. They Provide some of top domains in the world so that you can able to see the contents from the top domains web sites without even search them.

8.2 Sample Coding:

App.js

```
import React from 'react';
import { BrowserRouter as Router, Switch, Route } from 'react-router-dom'import {
createTheme, ThemeProvider, Typography } from '@material- ui/core'
import Layout from './components/Layout'; import
HeadLines from './pages/HeadLines';
```

```
import Categories from './pages/Categories'; import {
```

```
NewsProvider } from './context/context';
```

```
import { CountryProvider } from './context/context2';import {
SearchProvider } from './context/context3'; import Search from
'./pages/Search';
```

```
import { DomainProvider } from './context/context4';
```

```
import Favorites from './components/Favorites'; import {
FavouriteProvider } from './context/context5';import Domains
from './pages/Domains';
```

```
import DomainSearch from './pages/DomainSearch';const
```

```
theme = createTheme({
```

```
  palette: { primary:
```

```
    { main: '#fefefe'
```

```
  },
```

```

    secondary:{
      main:"#E94B3CFF"
    }
  },
  typography: { fontFamily:
    'Poppins',
    fontWeightLight: 300,
    fontWeightRegular: 400,
    fontWeightMedium: 500,
    fontWeightBold: 600,
  }
})

```

```

const noPage = ()=>{ return<Typography>Error
  404</Typography>
}

```

```

function App() {

  return (
    <FavouriteProvider>
    <DomainProvider>
    <CountryProvider>
    <SearchProvider>
    <NewsProvider>
    <ThemeProvider theme={theme}>
    <Router>
      <Layout>
        <Switch>
          <Route exact path="/">

```

```

        <HeadLines/>
    </Route>

    <Route exact path="/Search">
        <Search/>
    </Route>

    <Route exact path="/DomainSearch">
        <DomainSearch/>
    </Route>

    <Route exact path="/Category/:categories"
component={ Categories }/>
    <Route exact path="/TopDomains/:domain"
component={ Domains }/>
    <Route exact path="/Favorites">
        <Favorites/>
    </Route>
    <Route component={ noPage }/>
</Switch>
</Layout>
</Router>
</ThemeProvider>
</NewsProvider>
</SearchProvider>
</CountryProvider>
</DomainProvider>
</FavouriteProvider>
);
}

```

```

export default App;

```

Categories.js

```
import React,{useContext,useEffect,useState} from 'react'import
Grid from '@material-ui/core/Grid'
import CardContainer from '../components/CardComponent'import {
NewsContext } from '../context/context'
import { Container, Typography } from '@material-ui/core'import {
CountryContext } from '../context/context2'; import Heading from
'../components/Heading'
import Loading from '../components/Loading'

export default function Categories({ match }) { const
  value = useContext(NewsContext) const {apiKey}
  = useContext(NewsContext);const [data, setData]
  = useState([]);
  const [country,setCountry] = useContext(CountryContext)

  useEffect(() => {
    fetch(`https://newsapi.org/v2/top-
headlines?country=${country}&category=${match.params.categories}&pag
eSize=100&apiKey=${apiKey}`)
      .then(res => res.json())
      .then(data => setData(data.articles))
    }, [country,data])
  return (
    <>
    {
      data && data.length == 0?(

        <Container style={ {justifyContent:"center",marginTop:'2%' } }>
        <Loading/>
```

```
</Container>
```

```
):(
```

```
<Container>
```

```
<Heading title={`Latest ${match.params.categories} News`} />
```

```
<CardContainer data={data} />
```

```
</Container>
```

```
)
```

```
}
```

```
</>
```

```
)
```

```
}
```

Search.js

```
import React, { useContext, useEffect, useState } from "react"; import
```

```
CardContainer from "../components/CardComponent"; import {
```

```
NewsContext } from "../context/context";
```

```
import { Container, makeStyles, Typography } from "@material-ui/core";import {
```

```
SearchContext } from "../context/context3";
```

```
const useStyles = makeStyles((theme) => ({
```

```
  image: {
```

```
marginLeft:'30%',
marginTop:'40%',
width:'40%',
height:'30%',
[theme.breakpoints.up('lg')]: {
  marginTop:'6%',
  marginLeft:'25rem', display:'flex',
},
},
text:{
  textAlign:'center',
  [theme.breakpoints.up('lg')]: {

    marginLeft:'26rem',
    display:'flex',
  },
}

}});
```

```
export default function Search({ searchs }) {
  console.log(searchs);
  const value = useContext(NewsContext); const {
    apiKey } = useContext(NewsContext);const [data,
    setData] = useState([]);
  const [search, setSearch] = useContext(SearchContext);
  console.log(value);
```



```

useEffect(() => {
  fetch(

`https://newsapi.org/v2/everything?q=${search}&sortBy=relevancy&language=en&pageSize=100&apiKey=${apiKey}`

  )
    .then((res) => res.json())
    .then((data) => setData(data.articles));
}, [search]);

const classes = useStyles();

return (
  <>
    {data && data.length == 0 ? (
      <Container style={{ justifyContent: "center", marginTop: "2%", }}>

        <Typography variant={'h3'} className={classes.text}>No Result Found
      </Typography>
    </Container>
    ) : (

      <Container>
        <CardContainer data={data} />

```

```

        </Container>
      )}
    </>
  );
}

```

DomainSearch.js

```

import React,{useContext,useEffect,useState} from 'react'

import CardContainer from '../components/CardComponent'import {
NewsContext } from '../context/context'
import { Container, Typography } from '@material-ui/core'import
Heading from '../components/Heading'
import { DomainContext } from '../context/context4';export
default function DomainSearch() {

  const value = useContext(NewsContext) const
  {apiKey} = useContext(NewsContext);const [data,
  setData] = useState([]);

  const [domain,setDomain] = useContext(DomainContext)

  useEffect(() => {

    fetch(`https://newsapi.org/v2/everything?domains=${domain}&sortBy=publ
ishedAt&pageSize=100&apiKey=${apiKey}`)
      .then(res => res.json())
      .then(data => setData(data.articles))
    }, [domain])
    return (

```

```

    <Container>
      <Heading title={`Top Headlines from ${domain}`} />
      <CardContainer data={data} />
    </Container>
  )
}

```

CardComponent.js

```

import React, { useState, useContext } from "react";
import Card from "@material-ui/core/Card";
import CardHeader from "@material-ui/core/CardHeader"; import
CardContent from "@material-ui/core/CardContent"; import {
CardMedia, Typography } from "@material-ui/core";import
Divider from "@material-ui/core/Divider";
import { makeStyles } from "@material-ui/core/styles";
import Button from "@material-ui/core/Button"; import
Grid from "@material-ui/core/Grid";
import { FacebookShareButton, TwitterShareButton
,EmailShareButton,WhatsappShareButton,TelegramShareButton } from "react-
share";
import { FacebookIcon, TwitterIcon,EmailIcon ,WhatsappIcon,TelegramIcon}from
"react-share";
import FavoriteIcon from '@material-ui/icons/Favorite';
import IconButton from '@material-ui/core/IconButton';
import { FavouriteContext } from '../context/context5';

const useStyles = makeStyles(() => ({
  root: {
    maxWidth: 345,
  },
  media: {
    height: 0,

```

```

paddingTop: "56.25%", // 16:9
},
subColor: {
  color: "red",
},
Button: { width:
  "50%",
  alignItems: "center",
  display: "flex",
  flexDirection: "row",
  justifyContent: "center",
  float: "right",
},

button2: {
  alignItems: "center",
  display: "flex",
  flexDirection: "row",
  justifyContent: "center",
  float: "right", marginTop:
  "5%",
},
));

```

```

function CardComponent({ data }) {

```

```

  const classes = useStyles();

```

```

  const [favourites, setFavourites] = useContext(FavouriteContext);

```

```

  const [Favo,setFavo]=useState([])

```

```
const saveToLocalStorage = (items) => {  
  localStorage.setItem("name", JSON.stringify(items));  
};
```

```
const handleFavorite =(value)=>{  
  
  const newFavouriteList=[...favourites,value];  
  setFavourites(newFavouriteList)  
  saveToLocalStorage(newFavouriteList)  
}
```

```
// const checkRepeat=(value)=>{  
  
//   const repeat = favourites.filter((i)=> i.title === value.title)  
//   return repeat  
  
// }
```

```
return (  
  <div>  
    <Grid container  
      spacing={3}  
    >  
      {data &&  
        data.map((i) => {  
          const value=i;  
          let str = i.publishedAt; let  
          date = str.slice(0, 10);  
          let reverseDate = date.split("-").reverse().join("-");  
          return (  
            <Grid key={i.id} item xs={12} md={12} lg={6} direction="row">  
              <Card
```

```

variant="outlined"
style={ {
  background: "#2D2926FF",
  borderRadius: 10,
  borderColor: "#ff6208",
  boxShadow: "#ff6208",
  marginLeft:'5%',
  minHeight:'30%'
}}
>

<CardHeader
  title={i.title}
  action={
    <IconButton aria-label="add to favorites" color="secondary">
      <FavoriteIcon onClick={()=>handleFavorite(value)} />
    </IconButton>
  }
  style={ { color: "#E94B3CFF", textTransform: "uppercase" } }
/>

<CardHeader
  title={
    <Typography
      style={ { color: "white", fontWeight: "bold" } }
    >
      Source: {i.source.name}

    </Typography>
  }
  subheader={
    <Typography className={classes.subColor}>
      {reverseDate}
    </Typography>
  }

```

```
style={{ color: "black", fontSize: 10 }}
/>
```

```
<CardMedia className={classes.media} image={i.urlToImage ==
null?'data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAS4AAACnCA
MAAACYVkhVAAAAAJ1BMVEX09PTa2trc3Nz29vb4+Pg4ODv7+/Y2Njy8vLt7e
3q6urm5ubn5+eHk7pVAAAEMkIEQVR4nO2ci46jMAxFSZw3/P/3ru0QFtoppSP
tUsn3rDSLmFaCIycxjplpAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAPxzSLj7Ir4b8UPdU6lL8MvdF/TtiKjSQnQ5O+cClbsv
6OvQEddDKrEo7xTPuAhdeySUiVgqqc5xmBq6+MfdF/hVSFxRSYuEVGY93j/oc
unuS/wCxujjsTeLKOe3aFJlfMKHJfDJXK2vjUVNldpCI7SLJvXIY2hJBmiSs4vIX
GJM596tpvxel+OQSrt0S05Gk7aKGuhjT91sAbUeSUhNx7SUIv8i3nXFt8KiJKTy
ELVN5jz2ZhY1PSfwNMnk5S0mEhT6JL4be1kjqhZN4Pkj5dELURO5xeBopPnv
bJXV1CKz+ekzIesSu8mirjrCSseemprerXmUOCdbFAXJwWsK3ZR178VOXX
dL4125jGJrjBUlbKWHd4QZSXYn7j3Hv4fPSn48HYpcHTtl8ZkJbxUlx/B5a+yJ
WcrVuZ9muXOR1LgfosZXVXutkLXNahwQp9HKfmQ20PXT4igsB6LrvGZIZrS
JXO9H7VR0RXW1OBSRkHr5GdHVxBdayIgh+GTO2dhWZSuadHb7cerrpKuM
pnTITLPXm3U/USXrJZZGf+/pE7WdBWpR8xHXb6vkMctjWe8QV381Ohz/FlX
CKfpg0ldU15Yl8ajrkWWvvkkvizq4kyAh1xfGg+65t4XMUPXHi0l57407nR5N61P
kg+Zvl//GdXFSyPfb9PDva5RpiB/mO99f1Cyq0sfrHty+l4X/6ZuFWuTuki2GPu24
WEw1j531d1glNJW5QefmvvOtkldum2oh4ep3nddx+abntDyfGdVF1GT7F3n9aM
u30ppx4nLz9p2UihY1aVL41ohfEhTnxKHv8/fFMzqKnLDywVduz0Q0iK/RV0Tb
Sbe6OLPbNGl+yA2dUIPiS6Np7rysYuEik1dWrLqj0Gnuh57biiZHIxEC1vSx6DX
urzLz92oNVdz5cHRVyIJ1U10/dSMSnMzqEtmBacVwidd+cyWtv4a1CUVQu2oOe
jiTCGUIM3O2buXjc4GdFFTolQIy0N0xUaFmqajy0sdFnVJhdCnH8qD8irLItu2L
1tsLOpqWvKS9F51ScEwbsOP0nzSj2RRl75YMG+6qne7zdly2rRrUBcvjU4rhCO
6fDv00Z991alubbmMI7okni7fvkVda1/J0PXcS3/yVXu6aJr1DdjwcUuJSV3T1NzY
3IGuCyS3vbf4WcOSSV2l9N0x+Rnef3yHxUdsJm4t4D58grVmyw6F0Goqr2r0J/Q
vGNM19TenPnW1YU1Xz7Sg6yL9di+/5PII/kwCeMsv/1JLmSy+aQwAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABjiD11y
HkXgwpzGAAAAAEIFTkSuQmCC':i.urlToImage} />
```

```
<CardContent>
```

```
<Typography
```

```
variant="h6"
```

```
style={{ fontWeight: "bold", textTransform: "uppercase"  
,color:'#E94B3CFF'}}
```

```
>
```

```
{i.description}
```

```
</Typography>
```

```
<Divider color="secondary" />
```

```
<Typography
```

```
variant="h6"
```

```
style={{ marginTop: "5%", color: "#fff" }}
```

```
>
```

```
{i.content}
```

```
</Typography>
```

```
<Button variant="contained" color="secondary" href={i.url}>
```

```
Know More
```

```
</Button>
```

```
<div className={classes.Button}>
```

```
<TwitterShareButton
```

```
url={i.url}
```

```
title={i.title}
```

```
className={classes.button2}
```

```
>
```

```
<TwitterIcon size={32} round />
```

```
</TwitterShareButton>
```

```
<EmailShareButton
```

```
url={i.url}
```

```
subject={i.title}
```

```
body={ i.description
```

```
}
```

```
className={classes.button2}
```

```
>
```



```

        <EmailIcon size={35} round />
      </EmailShareButton>
      <FacebookShareButton
        url={i.url}
        quote={i.title}
        hashtag={"#intersting News"}
        description={i.description}
        className={classes.button2}
      >
        <FacebookIcon size={32} round />
      </FacebookShareButton>
      <WhatsappShareButton
        url={i.url}
        title={i.description}
        className={classes.button2}
      >
        <WhatsappIcon size={32} round />
      </WhatsappShareButton>
      < TelegramShareButton
        url={i.url}
        title={i.description}
        className={classes.button2}
      >
        < TelegramIcon size={32} round />
      </ TelegramShareButton>
    </div>
  </CardContent>
</Card>
</Grid>
);
}}
</Grid>
</div> );
}

export default CardComponent;

```

ABSTRACT

Rapid News web-app is a web-app for reading short news feeds. With this web-app, we want to entertain the world. The primary goal of the web-app is for offering online news feeds from different domains and country wise results, including different categories. Whatever your taste, and no matter where you live, we give you access to official news content, short news with no ads.

This Web app also provides the users the option for reading news from their desired countries, the news feeds from the countries domain will only display so the user can read the country wise domain sources. The user can also search about any news in this site so that it will bring the related news from different domains whether the news is old or new it doesn't matter.

This Web app pick-up articles from all the favourite sources and present them in less than 80-word shorts. The users can also read full articles of the news feeds that interest them, within the webapp. The user can also save their interested news feeds in their browser so that it will be available in their favourite tab.



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