

B. Tech CSE 3rd

SEMESTER: 6th

Mini Project –II

Final Report



Department of Computer Science and Application

Institute of Engineering and Technology

Submitted To:

Ms. Ruchi Talwar

(Technical Trainer)

Submitted By:

Deep Chand (201500203)

Aryan Raj Johri (201500152)

InShorts Clone



Acknowledgement

We thank the almighty for giving us the courage and perseverance in completing the project. This project itself is an acknowledgement for all those people who have given us their heartfelt co-operation in making this project a grand success. We extend our sincere thanks to Ms. Ruchi Talwar, Technical Trainer at “GLA University, Mathura” for providing his valuable guidance at every stage of this project work.

We are profoundly grateful towards the unmatched services rendered by him. And last but not least, we would like to express our deep sense of gratitude and earnest thanks giving to our dear parents for their moral support and heartfelt cooperation in doing the main project.

Declaration

We hereby declare that the work which is being presented in the MINI Project “**InShorts Clone**” in partial fulfilment of the requirements for MINI Project viva voce, is an authentic record of our own work carried by the team members under the supervision of our mentor Mrs. Ruchi Talwar.

Group Members: Deep Chand (201500203)

Aryan Raj Johri (201500152)

Course: B. Tech (Computer Science and Engineering)

Year: 3rd

Semester: 6th

Supervised By: Ms. Ruchi Talwar, Technical Trainer

Introduction

InShorts is a popular news web app that provides users with short summaries of news articles from various sources. An InShorts clone app would essentially be a similar app that provides a summary of news articles to users.

The clone app would allow users to select their preferred news categories, such as politics, sports, entertainment, etc. It would then provide a feed of news articles from various sources that match the user's selected categories.

Each news article would be presented as a short summary, typically around 60-70 words, along with a thumbnail image and a link to the original source article. Users could read the summary and then decide

if they want to read the full article by clicking on the link provided.

The clone app would also have features like push notifications for breaking news, the ability to save articles for later reading, and a search function to find specific news articles. It may also have additional features like a comment section, the ability to share articles on social media, and personalized recommendations based on user preferences.

Overall, an Inshorts clone app would provide users with a quick and convenient way to stay updated on the latest news, without having to spend time reading long articles from multiple sources. We use react, javascript, css, html, news API.

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Reports and Analytics :

To create an Inshorts clone web application using React and NewsAPI, you can follow the below steps:

1. Register on the NewsAPI website and obtain an API key.

2. Set up a new React project using `create-react-app`.

3. Install the necessary packages such as `axios` for making API calls and `react-router-dom` for routing.

4. Create a layout for your application with components such as a header, footer, and main content area.

5. Create a news component to display news articles fetched from NewsAPI using `axios`.

6. Use `react-router-dom` to create routes for different categories such as technology, entertainment, sports, etc.

7. Add a search feature to allow users to search for specific news articles.

8. Implement analytics using a third-party service such as Google Analytics to track user behavior and engagement.

To make your application more user-friendly and attractive, you can also consider using libraries such as `material-ui` or `bootstrap` for styling and components. You can also add features such as dark mode, save articles for later reading, and share articles on social media platforms.

Note that to comply with NewsAPI's terms of service, you need to properly attribute the source of the news articles and include a link back to the original article.

```
import './App.css';+
```

Main News Portal

```
import React, {useEffect, useState} from 'react'
import NewsItem from './NewsItem'
import Spinner from './Spinner';
import PropTypes from 'prop-types'
import InfiniteScroll from "react-infinite-scroll-component";

const News = (props)=>{
  const [articles, setArticles] = useState([])
  const [loading, setLoading] = useState(true)
  const [page, setPage] = useState(1)
  const [totalResults, setTotalResults] = useState(0)

  const capitalizeFirstLetter = (string) => {
    return string.charAt(0).toUpperCase() + string.slice(1);
  }
  console.log(props.apiKey);

  const updateNews = async ()=> {
    props.setProgress(10);
    const url = `https://newsapi.org/v2/top-
headlines?country=${props.country}&category=${props.category}&apiKey=${props.a
piKey}&page=${page}&pageSize=${props.pageSize}`;
    setLoading(true)
    let data = await fetch(url);
    // console.log("jhjdndb",data);
    props.setProgress(30);
    let parsedData = await data.json()
    props.setProgress(70);
    setArticles(parsedData.articles)
    setTotalResults(parsedData.totalResults)
    setLoading(false)
    props.setProgress(100);
    console.log("hsvdhibfhd",parsedData)
  }

  useEffect(() => {
    document.title = `${capitalizeFirstLetter(props.category)} -
Inshorts`;
    updateNews();
    // eslint-disable-next-line
  }, [])

  const fetchMoreData = async () => {
```

NavBar

```
import React from 'react'
import { Link } from "react-router-dom";
import logo from './R.png'
const NavBar = () => {

  return (
    <div>
      <nav className="navbar fixed-top navbar-expand-lg navbar-dark bg-dark">
        <div className="container-fluid">
          <img src={logo} style={{width:'35px'}} />
          <Link className="navbar-brand" to="/"> <span
style={{color:'red',fontWeight:'bold'}} >InShorts </span> Clone</Link>
          <button className="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle
navigation">
            <span className="navbar-toggler-icon"></span>
          </button>
          <div className="collapse navbar-collapse"
id="navbarSupportedContent">
            <ul className="navbar-nav me-auto mb-2 mb-lg-0">
              <li className="nav-item">
                <Link className="nav-link" aria-current="page"
to="/">Home</Link>
              </li>
              <li className="nav-item"><Link className="nav-
link" to="/business">Business</Link></li>
              <li className="nav-item"><Link className="nav-
link" to="/entertainment">Entertainment</Link></li>
              <li className="nav-item"><Link className="nav-
link" to="/general">General</Link></li>
              <li className="nav-item"><Link className="nav-
link" to="/health">Health</Link></li>
              <li className="nav-item"><Link className="nav-
link" to="/science">Science</Link></li>
              <li className="nav-item"><Link className="nav-
link" to="/sports">Sports</Link></li>
              <li className="nav-item"><Link className="nav-
link" to="/technology">Technology</Link></li>
            </ul>
          </div>
        </div>
      </nav>
    </div>
  )
}
```

```

    </div>
  )
}

export default NavBar

```

New Item

```

import React from 'react'

const NewsItem = (props)=> {
  let { title, description, imageUrl, newsUrl, author, date, source } =
props;
  return (
    <div className="my-3">
      <div className="card">
        <div style={{
          display: 'flex',
          justifyContent: 'flex-end',
          position: 'absolute',
          right: '0'
        }}
        >
          <span className="badge rounded-pill bg-danger">
{source} </span>
        </div>
        <img src={!imageUrl ?
"https://fdn.gsmarena.com/imgroot/news/21/08/xiaomi-smart-home-india-
annoucnements/-476x249w4/gsmarena_00.jpg" : imageUrl} className="card-img-top"
alt="..." />
        <div className="card-body">
          <h5 className="card-title">{title} </h5>
          <p className="card-text">{description}</p>

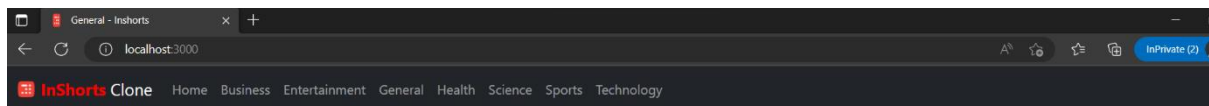
```

```

        <p className="card-text"><small className="text-
muted">By {!author ? "Unknown" : author} on {new
Date(date).toGMTString()}</small></p>
        <a rel="noreferrer" href={newsUrl} target="_blank"
className="btn btn-sm btn-dark">Read More</a>
    </div>
</div>
</div>
)
}

export default NewsItem

```



Inshorts - Top General Headlines

NDTV News




10 Cops, Driver Killed In Blast By Maoists In Chhattisgarh's Dantewada - NDTV

The policemen were returning from an anti-Maoist operation that was launched after intelligence inputs, officials said.

By Unknown on Wed, 26 Apr 2023 10:28:00 GMT

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Business Standard



Sensex rises 170 pts, Nifty tops 17,800; GSFC leaps 20%, MCX crashes 6% - Business Standard

CLOSING BELL: There were 21 gainers of the 30-pack index, and 33 on the 50-pack index, led by Power Grid, Nestle India, Tata Consumer Products, IndusInd Bank, L&T, HCL Tech, Tata Motors, SBI Life, HUL

By SI Reporter on Wed, 26 Apr 2023 10:09:40 GMT

DNA



WhatsApp Introduces New Feature: Now you can use the same WhatsApp account on up to four phones - DNAIndiaNews

WhatsApp has finally rolled out one of its biggest features for both Android and iOS. Announcing the ability to link one WhatsApp account on multiple devices...

By Unknown on Wed, 26 Apr 2023 09:57:10 GMT


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Business - Inshorts

localhost:3000/business

InShorts CloneHomeBusinessEntertainmentGeneralHealthScienceSportsTechnology

Inshorts - Top Business Headlines




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By SI Reporter on Wed, 26 Apr 2023 10:09:40 GMT

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Remove Misleading Ads, Submit Report: Child Rights Body To Bournvita Maker - NDTV

Amid the huge row surrounding Bournvita, the national child rights body has written to the manufacturer, demanding a reply on the allegations that the chocolate-flavoured powder consumed by millions across the country contains harmful substances.

By Unknown on Wed, 26 Apr 2023 09:17:00 GMT

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Maruti Suzuki Q4: Profit jumps 42% YoY | Mint - Mint

Maruti's stock performance was subdued in the March quarter of FY23; it was down over a per cent. Maruti shares hit their 52-week low of ₹7,062.65 on May 13, 2022, and their 52-week high of ₹9,768.65 on October 31, 2022, on BSE.

By Nishant Kumar on Wed, 26 Apr 2023 09:16:05 GMT


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Entertainment - Inshorts

localhost:3000/entertainment

InShorts CloneHomeBusinessEntertainmentGeneralHealthScienceSportsTechnology

Inshorts - Top Entertainment Headlines




'Don't push': Malaika Arora looks uncomfortable, gets mobbed by fans for selfies - Times of India

Malaika Arora recently attended an event in Dubai, where she wore a backless fishtail evening gown and looked amazing. Fans flocked to her, hoping to take photographs with the diva. But after a few moments, the audience became frustrated and she asked

By TIMESOFINDIA.COM on Wed, 26 Apr 2023 09:55:56 GMT

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Aishwarya Rai touches Mani Ratnam's feet on stage. Watch - Hindustan Times

Asked if Aishwarya Rai was his lucky charm, Ponniyin Selvan director Mani Ratnam said that it is only her talent that makes him cast her.

By HT Entertainment Desk on Wed, 26 Apr 2023 09:02:51 GMT

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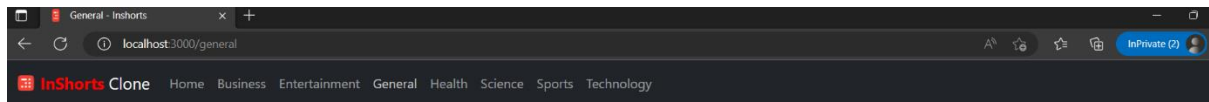


Aishwarya Rai Bachchan On Fake News About Aaradhya: "Unnecessary And Insensitive" - NDTV Movies

The Delhi High Court, last week, restrained YouTube channels from spreading false reports on Aaradhya Bachchan's health

By Unknown on Wed, 26 Apr 2023 08:58:04 GMT

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Inshorts - Top General Headlines



10 Cops, Driver Killed In Blast By Maoists In Chhattisgarh's Dantewada - NDTV

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Conclusion:

The News Clone app is a web application built using React.js and News API that allows users to browse and read the latest news articles from a variety of sources. The application provides a simple and intuitive user interface, making it easy for users to find the news articles they are interested in. The application uses the axios library for making HTTP requests to the News API, and consists of several components, including a header component, a news list component, and a news item component. The News Clone app is a great example of how React.js can be used to build complex web applications with a clean and organized codebase.

References

- YouTube
- Stack OverFlow
- Chat GPT

Thank you!