(DRAGON NEWS) – A NEWS PORTAL WEBSITE

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Table Of Contact

APPROVAL

This project, titled **"Dragon News Report"**, submitted by **Abu Obaed Ashik** to the **Department of Computer Technology**, Graphics Arts Institute, has been reviewed and found satisfactory. It fulfills the partial requirements for the degree **of Diploma in Engineering** and is hereby approved for its quality, style, and content.

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Sajib Bhawal

Senior Instructor

Department of Computer Technology

Govt. Graphic Art Institute

DECLARATION

I hereby declare that this project, titled " **Dragon News**", has been completed by me under the supervision of **Sajib Bhawal**, Senior Instructor, Department of Computer Technology, **Govt. Graphic Arts Institute**.

I further declare that neither this project nor any part of it has been submitted elsewhere for the award of any degree or diploma.

Abu Obaed Ashik

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Chapter 1: Introduction

Project Objective

The primary objective of my project, "Dragon News Portal Webpage", is to develop a fully functional news portal website that will provide users with daily updates, news, and a variety of information in a quick and easy-to-access manner. This website will serve as a professional news portal where users can access news related to politics, economics, international affairs, entertainment, sports, and other categories from one place. The website will be designed with a user-friendly interface and will focus on providing a fast, seamless experience for visitors. The goal is to create an interactive, dynamic platform that meets the needs of today's digital news consumers.

Scope of the Project

The scope of this project involves designing and developing a Dragon News Portal Webpage, which will function as a news-sharing platform. The website will provide users with access to the latest updates in various categories such as politics, sports, international news, business, entertainment, and more. The site will be developed using HTML, CSS, JavaScript, ensuring that it is responsive and can be accessed across devices like desktops, tablets, and mobile phones.

Additionally, the website will include features such as news categories, a search option, a latest news slider, user comment sections, and more. The scope of this project is focused on creating a digital news portal that is both functional and easy to navigate for users, offering timely and relevant news.

Context of the Institution/Industry

The project is being developed in the context of the rapidly growing digital news industry, which plays a significant role in how people consume news today. With the increasing demand for fast and reliable news, a modern, well-structured news portal will cater to the needs of users. In countries like Bangladesh, where access to timely information is crucial, such a platform can have a significant impact on news dissemination.

This project is being undertaken at Govt. Graphics Arts Institute, which provides the perfect environment to merge education with real-world application. The project will not only contribute to the educational field but also to the digital media sector by applying modern web development techniques. This project will help me apply my theoretical knowledge into practice, providing a tangible demonstration of my skills and technical expertise in web design and development for digital media platforms.

Chapter 2: Requirements

1. Hardware Requirements

To ensure smooth development and functionality, the following hardware components are necessary:

Minimum specifications:

  i)Processor: Intel i3 or higher (or equivalent AMD processor)

  ii)RAM: 4GB (8GB or more recommended for better performance)

  iii)Storage: 256GB SSD (or HDD)

  iv)Screen: Minimum 14-inch display

2. Software Requirements

The software environment plays a critical role in building the website. Here are the essential tools and platforms:

Frontend Development Tools:

HTML5, CSS3: To structure and style the website.

JavaScript (Vanilla or Frameworks like React): For interactivity and dynamic content.

Integrated Development Environment (IDE):

Visual Studio Code: A lightweight and powerful text editor with extensions for HTML,   CSS, and JavaScript. (Optional: Sublime Text, Atom, or Notepad++.)

Browser for Testing

Google Chrome (preferred for debugging and responsiveness testing).

Mozilla Firefox or Safari (to ensure cross-browser compatibility).

Version Control System:

Git: For tracking changes and collaborating (GitHub/Bitbucket for repository management).

Graphics/Design Tools:

Adobe Photoshop, Adobe XD, or Figma: To create and edit UI designs.

Chapter 3: Features

Features of the Dragon News

1.Categorized News Sections: The news portal is thoughtfully organized into various categories such as Politics, Sports, Entertainment, Technology, and Lifestyle. This segmentation allows users to quickly navigate and find the content most relevant to their interests.

2.Responsive Design: The website is fully optimized for desktops, tablets, and mobile devices. Whether users are browsing on a large screen or a small smartphone, the site offers a smooth and seamless experience across all platforms.

4.User Comments Section: Readers have the opportunity to share their thoughts and opinions on each article through a comment section. This fosters engagement and allows for meaningful discussions among users.

5.Latest News Slider: The website includes a dynamic slider that showcases the latest and most trending news. This feature ensures that users are quickly informed of breaking stories, allowing them to access important updates with ease.

 6.Multimedia Integration: Articles are accompanied by high-quality images and videos, enriching the user experience. The integration of multimedia makes the news more engaging and visually appealing.

7.Real-Time Updates: The portal is designed to provide real-time news updates, ensuring that users have access to the most current and up-to-date information as it happens.

8.Social Media Integration: Users can effortlessly share articles across popular social media platforms like Facebook, Twitter, and WhatsApp. This feature helps extend the reach of the news content, making it easy for users to spread the word and stay connected.

9.User-Friendly Interface: The site features an intuitive and clean design, making navigation a breeze. The modern user interface ensures that even first-time visitors can easily explore and access the content they are looking for.

10.Optional Subscription Features: For users who seek an enhanced experience, the portal offers premium content and an ad-free browsing option through subscriptions. Subscribers also enjoy personalized recommendations and exclusive content, adding value to their experience.
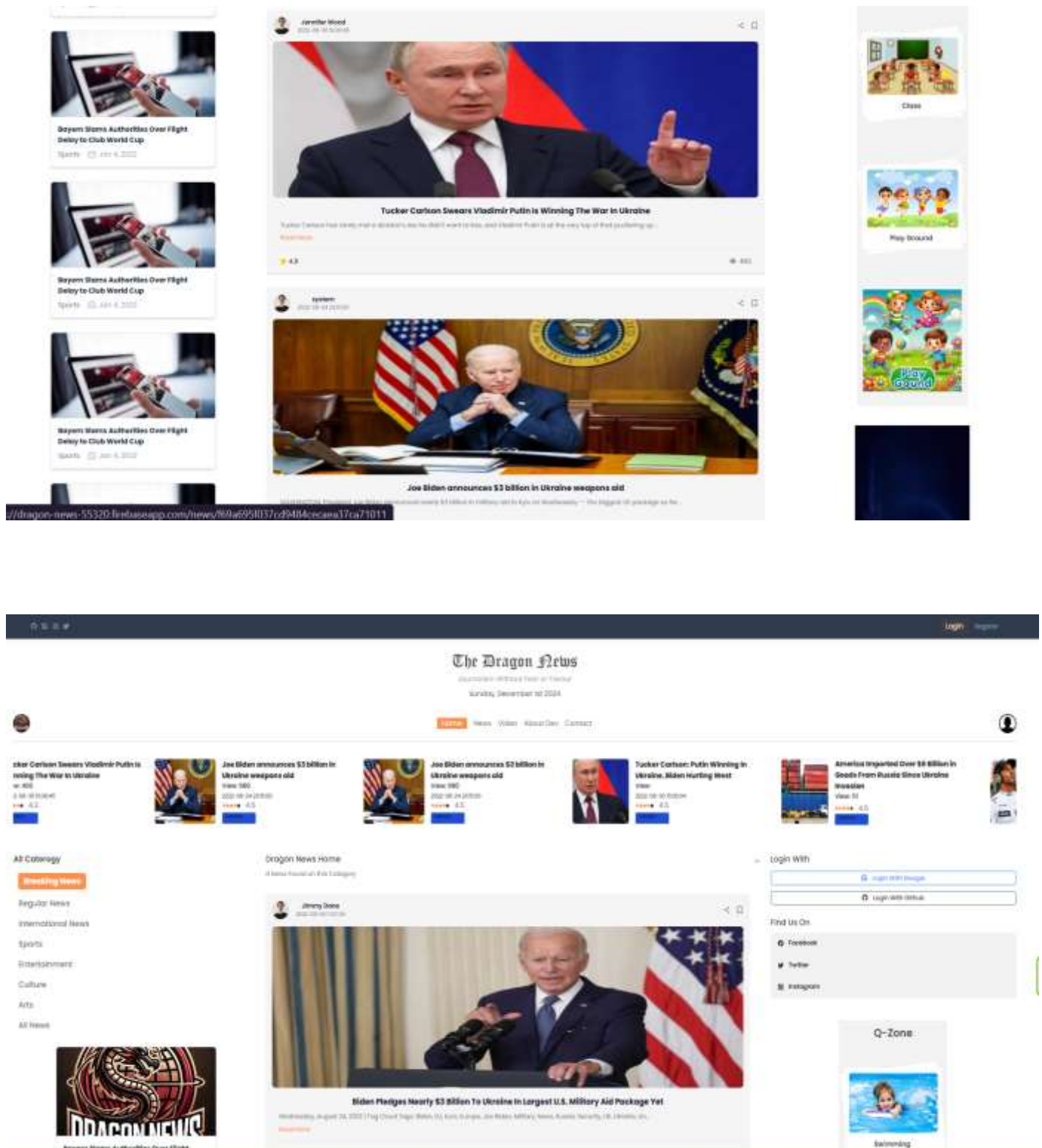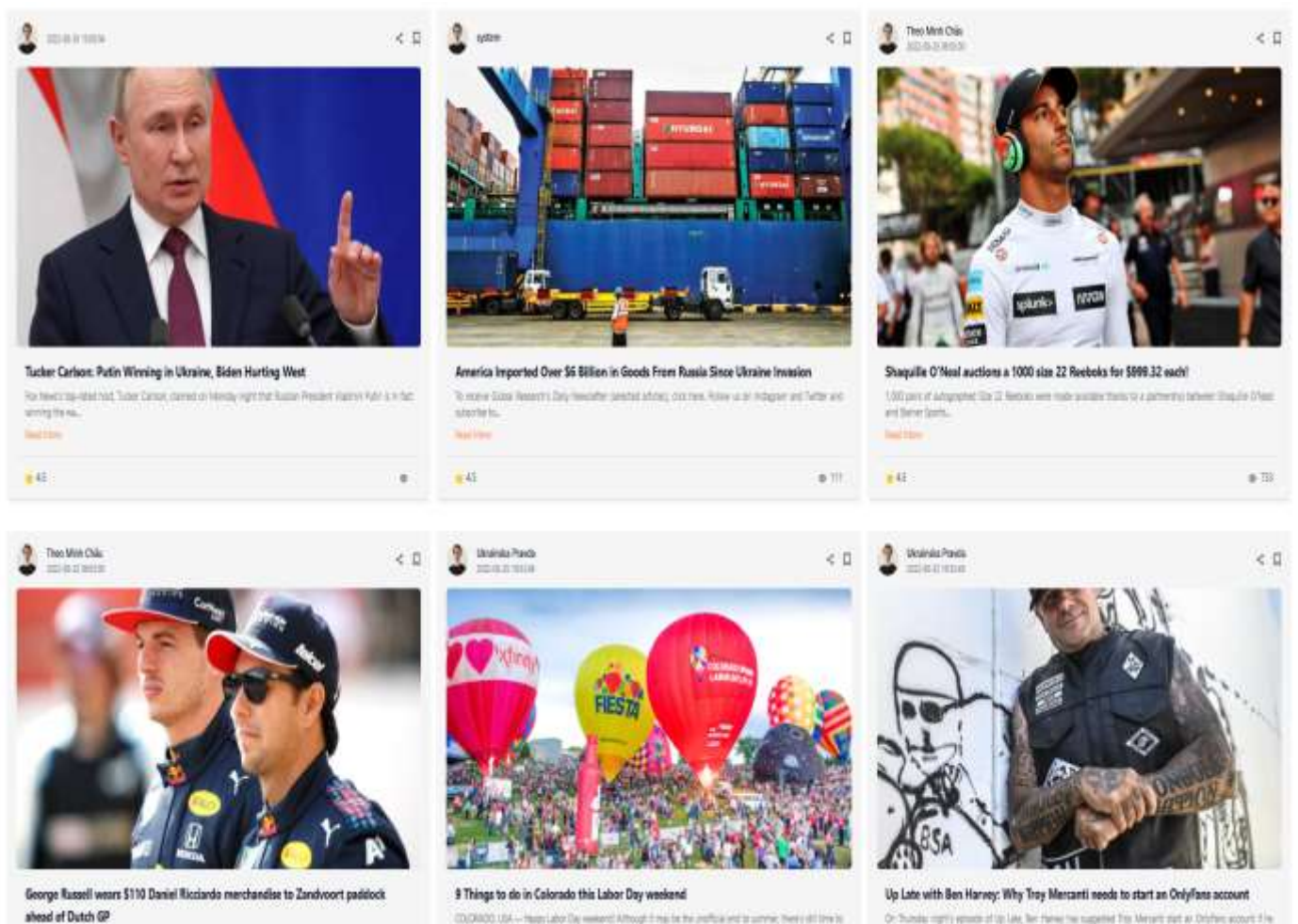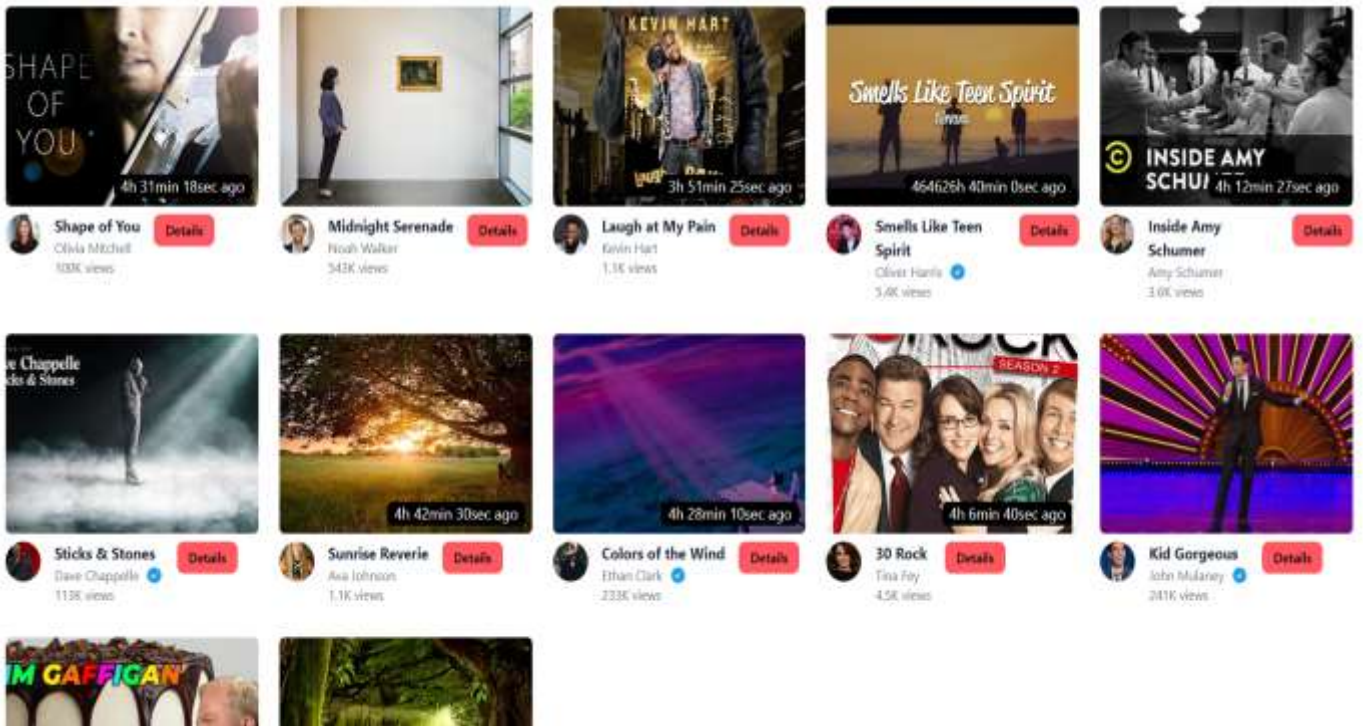
Chapter 4: Flow Diagram
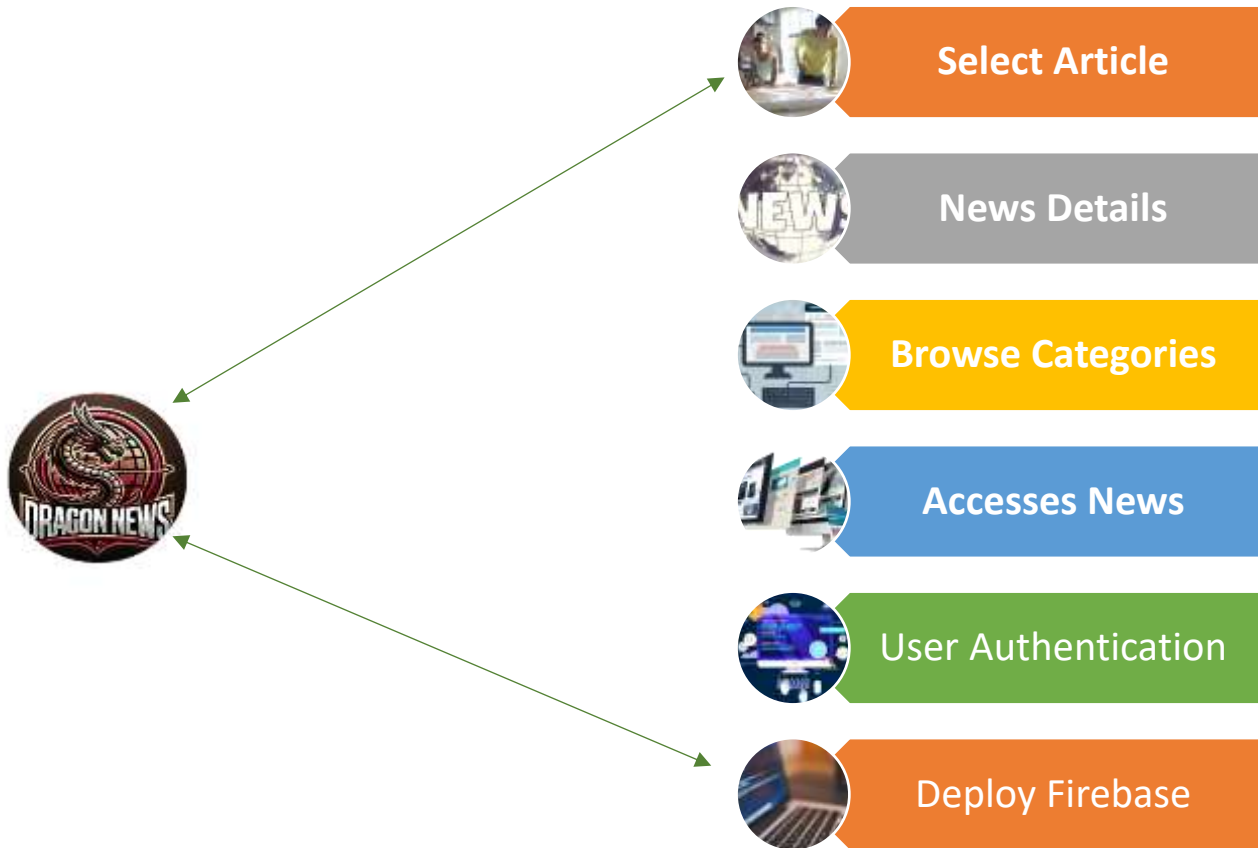
News Portal Flow Chart

Chapter 5: Work Process

Work Process for Developing the Gadget Hunter Website

Step-1: User Interface (UI) Design

Step-2: Video Page and News Details

Shape of You Details	**Midnight Serenade** Details	**Laugh at My Pain** Details	**Smells Like Teen Spirit** Details	**Inside Amy Schumer** Details
Olivia Mitchell	Noah Walker	Kevin Hart	Oliver Harris	Amy Schumer
100K views	543K views	1.1K views	5.4K views	3.0K views

Sticks & Stones Details	**Sunrise Reverie** Details	**Colors of the Wind** Details	**30 Rock** Details	**Kid Gorgeous** Details
Dave Chappelle	Ava Johnson	Ethan Clark	Tina Fey	John Mulaney
113K views	1.1K views	233K views	4.5K views	241K views

Tucker Carlson: Putin Winning in Ukraine, Biden Hurting West

Fox News's top-rated host, Tucker Carlson, claimed on Monday night that Russian President Vladimir Putin is in fact winning the wa...

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1,000 pairs of Autographed Size 22 Reeboks were made available thanks to a partnership between Shaquille O'Neal and Barner Sports...

George Russell wears $110 Daniel Ricciardo merchandise to Zandvoort paddock ahead of Dutch GP

9 Things to do in Colorado this Labor Day weekend

COLORADO, USA — Happy Labor Day weekend! Although it may be the unofficial end to summer, there's still time to...

Up Late with Ben Harvey: Why Troy Mercanti needs to start an OnlyFans account

On Thursday night's episode of Up Late, Ben Harvey has suggested Troy Mercanti start an OnlyFans account if he...

Step-3: Login And Register Authentication Using Firebase

Step-4: Responsive Design

More searches take place on mobile devices than on desktop*

Step-5: Firebase Hosting
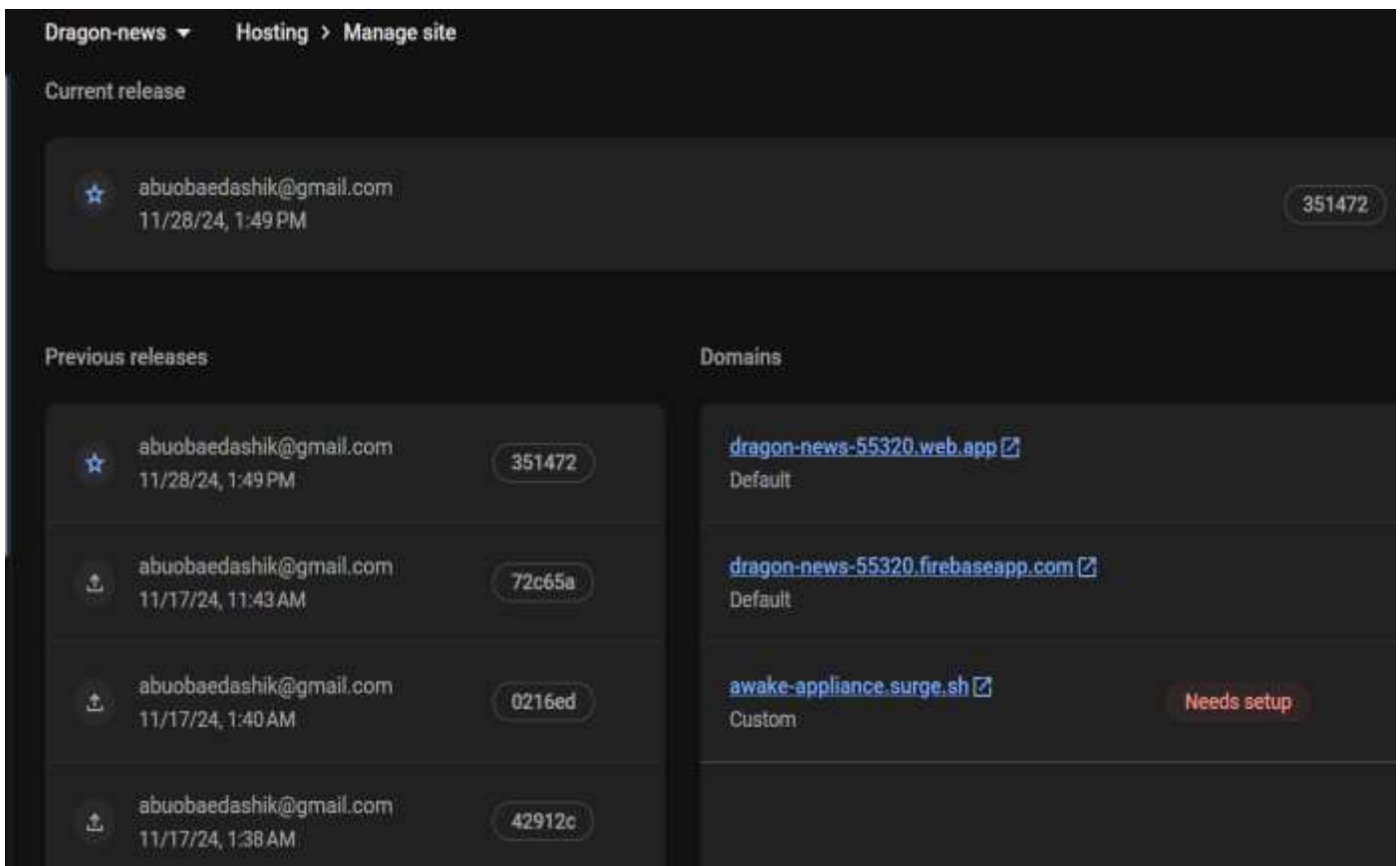
Chapter 6: Report

Project Report: Dragon News Website

The Dragon News website is an online platform designed to deliver the latest news and information to users in a clean, user-friendly interface. The website includes features such as news display, categories, user authentication, and responsive design, all aimed at providing an exceptional user experience. The project was developed using HTML, Tailwind CSS, React.js, React Router, and Firebase for backend services.

Objectives of the Project

The main objectives of the Dragon News website are:

1. To create a responsive and visually appealing news website.

2 . To integrate dynamic news updates from a backend (Firebase).

3. To implement a user authentication system, allowing users to sign up, log in, and view their profiles.

4. To make the website mobile-friendly and accessible on all devices.

Technologies Used

HTML: For structuring the website.

Tailwind CSS: For styling and ensuring a responsive design.

React.js: For creating dynamic, reusable UI components.

React Router: For navigating between different pages of the site (e.g., Home, News Details, Profile).

Firebase: For handling user authentication and storing user data.

JavaScript: For handling dynamic content, interactivity, and state management.

Project Features

Responsive Design: The website is designed to be responsive across devices (mobile, tablet, desktop) using Tailwind CSS to ensure it looks good on all screen sizes.

News Display: News articles are fetched from a Firebase database and displayed dynamically on the homepage.

Category Filter: Users can filter news articles by category (e.g., Sports, Entertainment, Politics).

1. **User Authentication**: Firebase authentication is used to allow users to sign up, log in, and access their profiles.

2. **Profile System**: Users have the ability to view and edit their profile information

Chapter 9: Conclusion

The Dragon News website is a comprehensive and user-friendly platform that offers a well-designed interface and functional features for users. The website includes various features such as news display, category filters, and user authentication systems, all of which contribute to an enhanced user experience. The dynamic data fetching through Firebase and the user profile management system have significantly improved the website's functionality.

Through this project, I have gained valuable skills in modern web development technologies such as React.js, Tailwind CSS, Firebase, and React Router. It has provided me with a deeper understanding of web development, which will be useful for future projects. The Dragon News website has been successfully built as a functional platform, offering users a secure and easy-to-access news service.