



SRI KRISHNA COLLEGE OF TECHNOLOGY

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KOVAIPUDUR, COIMBATORE 641042



INTERACTIVE CHILDREN'S STORYBOOK AND EDUCATIONAL WEB APPLICATION

A PROJECT REPORT

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In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

JULY 2024

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Certified that this project report **INTERACTIVE CHILDREN'S STORYBOOK AND EDUCATIONAL WEB APPLICATION** is the bonafide work **SHRIJITH R 727822TUCS218, SIBHI K 727822TUCS220, SRINIVASAN R 727822TUCS233, SWETHA M 727822TUCS242**

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EXTERNAL EXAMINER

ACKNOWLEDGEMENT

First and foremost we thank the **Almighty** for being our light and for showering his gracious blessings throughout the course of this project.

We express our gratitude to our beloved Principal, **Dr. M.G. Sumithra**, for providing all facilities.

We are grateful to our beloved Head, Computing Sciences **Dr.T. Senthilnathan**, for his tireless and relentless support.

With the grateful heart, our sincere thanks to our Head of the Department **Dr. M. Udhayamoorthi**, Department of Computer Science and Engineering for the motivation and all support to complete the project work.

We thank **Ms. A. Gomathy**, Assistant Professor, Department of Computer Science and Engineering, for his motivation and support.

We are thankful to all the **Teaching and Non-Teaching Staff** of Department of Computer Science and Engineering and to all those who have directly and indirectly extended their help to us in completing this project work successfully.

We extend our sincere thanks to our **family members** and our beloved **friends**, who had been strongly supporting us in all our endeavour.

ABSTRACT

The Interactive Children's Storybook and Educational Web Application leverages cutting-edge web technologies, including React JS, Spring Boot, REST API, and MySQL, to create an engaging and educational platform designed for young learners. This application offers a vibrant, user-friendly interface that combines storytelling with educational content, providing an interactive and immersive experience for children. Key features include dynamic storytelling with customizable characters and narratives, educational games that reinforce learning objectives, and progress tracking to monitor children's development. Administrators and educators benefit from a comprehensive dashboard that allows for the creation, modification, and management of story content, as well as the ability to assign educational tasks and analyze student progress through detailed reports. Children can engage with interactive stories, complete educational activities, and receive instant feedback and encouragement through an intuitive, playful interface. By utilizing React JS for the dynamic frontend, Spring Boot for robust RESTful APIs, and MySQL for scalable data management, the system streamlines educational processes, making learning fun and interactive. Its scalability ensures it can grow alongside the needs of its users, while advanced reporting tools provide valuable insights for educators and parents alike. In summary, the Interactive Children's Storybook and Educational Web Application is a state-of-the-art solution tailored to meet the diverse needs of young learners, educators, and parents, delivering an engaging, efficient, and educational experience that fosters learning and creativity.

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LIST OF ABBREVIATIONS

Abbreviation	Acronym
HTML	HYPertext MARKUP LANGUAGE
CSS	CASCADING STYLESHEET
JS	JAVASCRIPT
SDLC	SOFTWARE DEVELOPMENT LIFE CYCLE

CHAPTER 1

INTRODUCTION

This project aims to provide a seamless and engaging solution for creating and managing interactive storybooks and educational activities through an online platform. In this chapter, we will explore the problem statement, provide an overview, and outline the main objectives of the Interactive Children's Storybook and Educational Web Application.

1.1 PROBLEM STATEMENT

How can we develop an interactive children's storybook and educational web application that allows educators and parents to create and manage engaging story content and educational activities, while taking into account children's learning progress, interests, and preferences, ensuring an intuitive user interface and promoting interactive learning experiences?

1.2 OVERVIEW

In the realm of interactive learning, educators and parents often face challenges such as creating engaging content, tracking children's progress, and tailoring activities to individual interests and learning styles. Traditional methods can be limited in interactivity and adaptability, leading to reduced engagement and slower learning outcomes. To address these challenges, we propose the creation of an Interactive Children's Storybook and Educational Web Application. This system will leverage modern web technologies to provide a dynamic, user-friendly platform that enhances the learning experience. By incorporating customizable story content, progress tracking, and interactive educational activities, the application aims to foster creativity, engagement, and effective learning for children.

1.3 OBJECTIVE

The primary objective of this project is to develop an Interactive Children's Storybook and Educational Web Application that offers educators and parents a user-friendly and engaging platform for creating and managing educational content. The system aims to enhance the learning experience by providing customizable story creation, interactive educational activities, and progress tracking, all while promoting creativity and engagement in children's learning journeys.

CHAPTER 2

SYSTEM SPECIFICATION

In this chapter, we are going to see the software that we have used to build the website. This chapter gives you a small description about the software used in the project.

2.1 VS CODE

Visual Studio Code is a source code editor developed by Microsoft for Windows, Linux, and macOS. It includes support for debugging, embedded Git control, syntax highlighting, intelligent code completion, snippets, and code refactoring. It is also customizable, so users can change the editor's theme, keyboard shortcuts, and preferences.

VS Code is an excellent code editor for React projects. It is lightweight, customizable, and has a wide range of features that make it ideal for React development. It has built-in support for JavaScript, JSX, and TypeScript, and enables developers to quickly move between files and view detailed type definitions. It also has a built-in terminal for running tasks. Additionally, VS Code has an extensive library of extensions that allow developers to quickly add features like code snippets, debugging tools, and linting support to their projects.

2.2 LOCAL STORAGE

Local storage is a type of web storage for storing data on the client side of a web browser. It allows websites to store data on a user's computer, which can then be accessed by the website again when the user returns. Local storage is a more secure alternative to cookies because it allows websites to store data without having to send it back and forth with each request. Local storage is a key-value pair storage mechanism, meaning it stores data in the form of a key and corresponding value. It is similar to a database table in that it stores data in columns and rows, except that local storage stores the data in the browser rather than in a database. Local storage is often used to store user information such as

preferences and settings, or to store data that is not meant to be shared with other websites. It is also used to cache data to improve the performance of a website. Local storage is supported by all modern web browsers, including Chrome,

Firefox, Safari, and Edge. It is accessible through the browser's JavaScript API. Local storage is a powerful tool for websites to store data on the client side. It is secure, efficient, and can be used to store data that does not need to be shared with other websites.

Local Storage is a great way to improve the performance of a website by caching data. Local storage in web browsers allows website data to be stored locally on the user's computer. It is a way of persistently storing data on the client side, which is not sent to the server with each request. This allows users to store data such as preferences, login information, and form data without needing to send it to a server. It is typically stored in a browser's cookie file, but it can also be stored in other locations such as HTML5 Local Storage and Indexed DB. The data stored in local storage is persistent and can be accessed by the website even if the user closes the browser or navigates to another page. It is a great way for websites to store user-specific data, as it is secure, reliable, and fast. It is also a great way for developers to store data that does not need to be sent to the server with each request.

One of the key benefits of using local storage is its reliability. Unlike server-side storage, which can be affected by network outages or other server issues, local storage is stored locally on the user's machine, and so is not affected by these issues. Another advantage of local storage is its speed. Because the data is stored locally, it is accessed quickly, as there is no need to send requests to a server. This makes it ideal for storing data that needs to be accessed quickly, such as user preferences or session data. Local storage is also secure, as the data is stored on the user's machine and not on a server. This means that the data is not accessible by anyone other than the user, making it a good choice for storing sensitive information.

CHAPTER 3

PROPOSED SYSTEM

This chapter gives a small description about the proposed idea behind the development of our website

3.1 PROPOSED SYSTEM

This system offers a multitude of benefits from various perspectives. The Interactive Children's Storybook and Educational Web Application empowers educators and parents to create and manage educational content effectively, taking into account children's learning progress, interests, and preferences. The system simplifies the content creation process, enabling educators to craft, modify, and manage storybooks and activities with ease, while children can engage with interactive stories and activities that are tailored to their learning needs and preferences.

Once educational content is created, it is reviewed and approved by the designated educators or administrators responsible for overseeing the educational material. The administrative team ensures that the content is accurate and engaging, updates based on feedback or changes. Approved content is then published and made accessible to all relevant users, including children, parents, and educators, ensuring that everyone has access to the most current and engaging learning materials.

This system significantly reduces the administrative workload and streamlines operations in educational content management. During peak periods or when managing diverse learning activities, where manual processes may lead to inefficiencies or delays, the web application alleviates these challenges.

Moreover, the system enhances operational efficiency by allowing educators and administrators to manage educational content and activities promptly and effectively. This results in a more engaging learning experience for children and greater satisfaction for educators and parents, improving overall efficiency in managing and delivering educational materials.

3.2 ADVANTAGES

- Efficiency: The Interactive Children's Storybook and Educational Web Application enables educators and parents to create, update, and manage educational content quickly and easily from any location with internet access. This eliminates the need for time-consuming manual processes, reducing the workload for educators and streamlining content management. It also saves time for both educators and parents, allowing for a more efficient and effective educational experience for children.
- Flexibility: Educators and parents can update their availability and access educational content at their convenience. This flexibility accommodates varying schedules and preferences, enhancing user satisfaction and ensuring that learning activities and content are tailored to individual needs and availability.
- Conflict Resolution: The system automatically detects and resolves conflicts in educational content and scheduling, ensuring that all activities and learning sessions are well-coordinated without overlaps. This minimizes the chances of errors and scheduling issues, leading to smoother operations and a more seamless learning experience.
- Accessibility: Educators, parents, and administrators can access the educational web application from any location with internet access. This accessibility ensures that content can be managed, updated, and viewed remotely, facilitating better coordination, planning, and engagement with educational materials.
- Transparency: The system provides clear and detailed information about educational content, activities, and progress. This transparency helps educators, parents, and students stay informed about learning objectives, assignments, and achievements, ensuring everyone is aware of their roles and responsibilities.
- Real-Time Notifications: Automated notifications keep educators, parents, and students informed about updates to educational content and important reminders. This feature ensures that all users are kept up-to-date in real time, improving coordination and reducing the risk of missed learning opportunities or activities.

CHAPTER 4

METHODOLOGIES

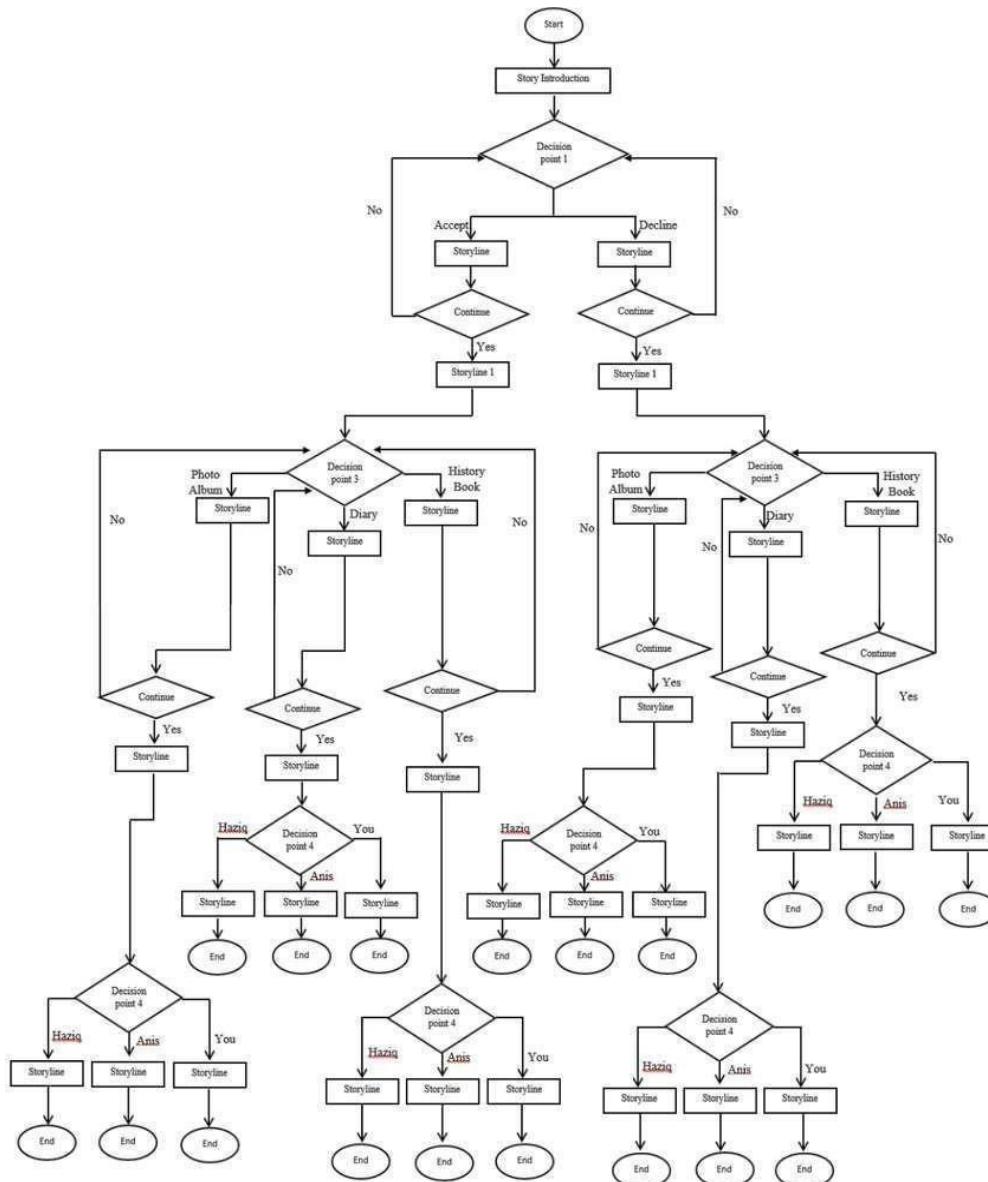


Fig 4.1 Process flow diagram

User Registration:

Parents or guardians register on the platform by providing essential details such as their name, email address, and a secure password. Optional information like the child's name, age, and preferred learning style can also be included to personalize the experience.

Role-Based Access:

Upon registration/login, users are assigned roles such as parent/guardian, educator, or administrator. These roles determine their access permissions, including content creation, monitoring progress, and managing account settings.

Personalized Storytelling:

Parents and educators can personalize the storytelling experience by selecting specific characters, adjusting the difficulty level, and incorporating the child's name into the story. This personalized approach enhances engagement and learning outcomes.

Progress Monitoring:

The platform tracks the child's progress through the storybooks and activities. Parents and educators receive detailed reports on the child's reading habits, comprehension skills, and overall progress.

Educational Activity Assignment:

Educators can assign educational activities linked to storybooks, such as quizzes, puzzles, or creative tasks. These activities reinforce the learning objectives presented in the story and track the child's progress.

Real-Time Notifications:

The system sends real-time notifications to parents and educators regarding the child's progress, upcoming story releases, or new educational activities. These notifications ensure continuous engagement and timely updates.

Feedback and Adjustments:

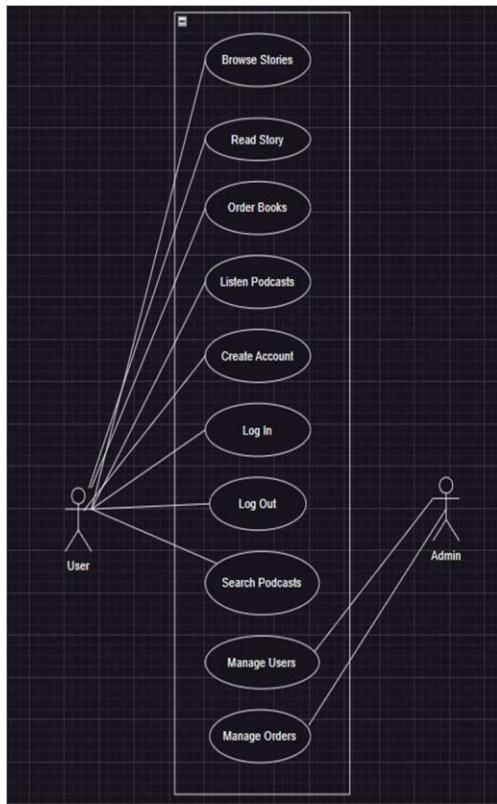
After completing storybooks or activities, parents and educators can provide feedback on the content and suggest adjustments to better suit the child's learning needs. The platform uses this feedback to enhance future content and improve the overall user experience.

Content Updates and Expansions:

The platform regularly updates its library with new storybooks and educational activities. Users are notified of these updates, and they can easily access the latest content to keep the learning experience fresh and exciting.

Use Case Diagram:

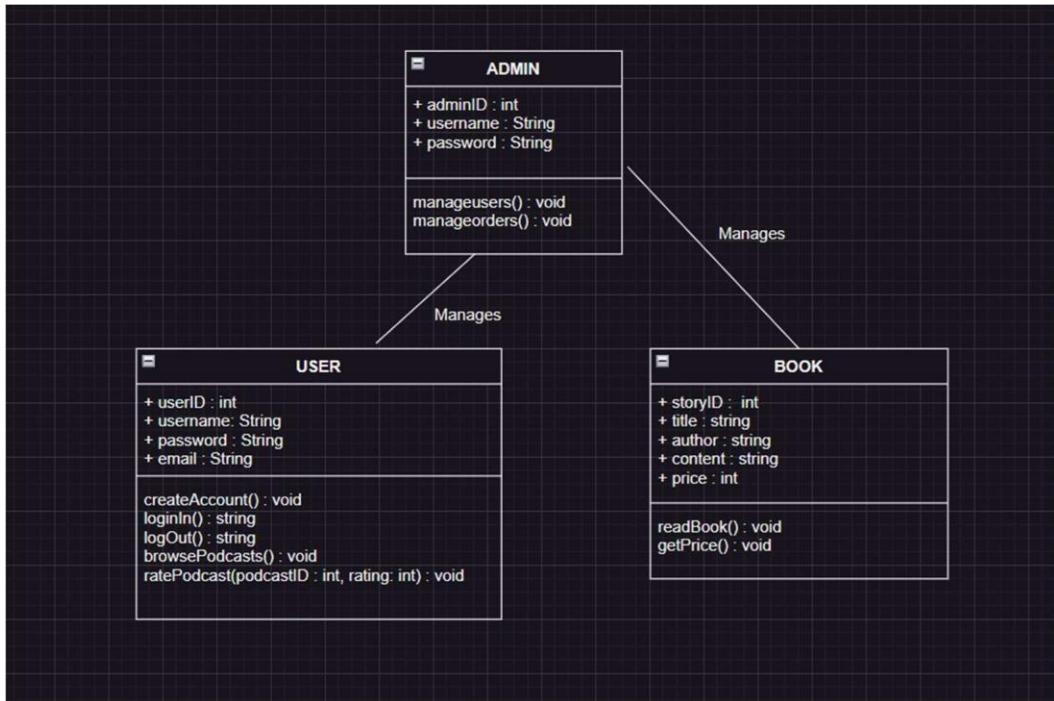
The use case diagram for the "Interactive Children's Storybook and Educational Web Application" illustrates the interaction between different user roles and the system's functionalities. The key user roles include **Parents/Guardians**, **Children**, **Educators**, **Administrators**, and **Guests/Visitors**. Each role has specific functionalities designed to enhance the interactive learning experience.



4.2 Use Case Diagram

Class Diagram:

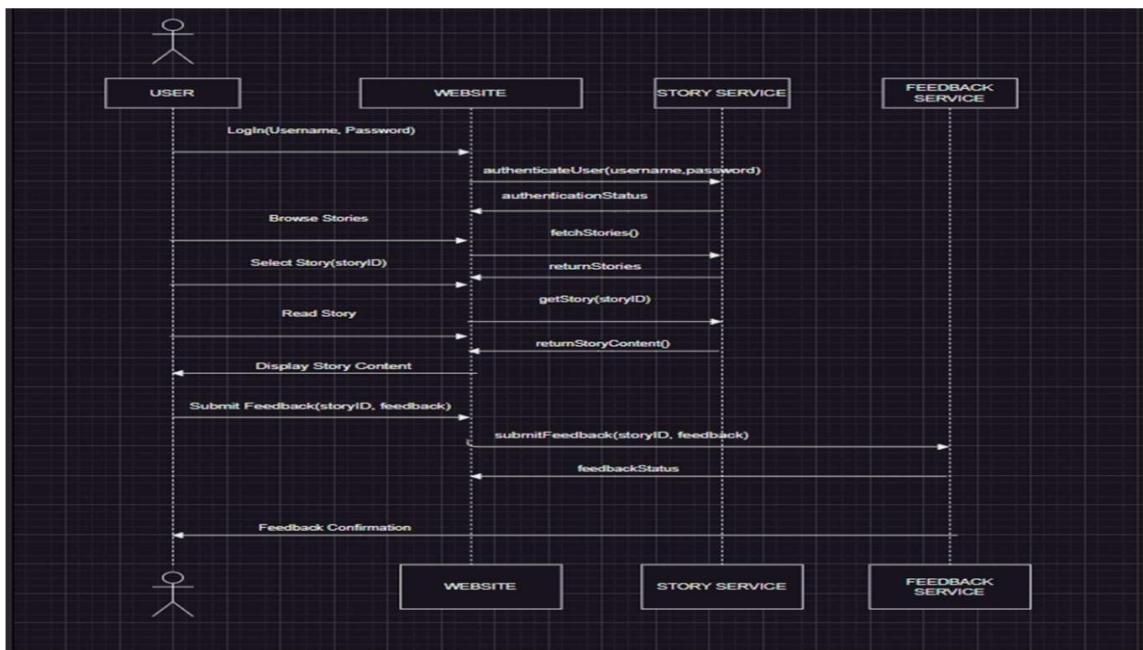
The class diagram for the "Interactive Children's Storybook and Educational Web Application" outlines the architecture of the system, showcasing the primary classes, their attributes, methods, and relationships. The key classes include User, Parent/Guardian, Child, Educator, Administrator, Storybook, Educational Activity, Progress Report, and Notification.



4.3 Class Diagram

Sequence Diagram:

The Personalized Storytelling Sequence Diagram illustrates the process for a parent/guardian to personalize and start an interactive storybook for their child. It details the interactions between the Parent/Guardian, System, Storybook, and Child components to customize the story, start the reading session, and track progress.



4.4 Sequence Diagram

CHAPTER 5

IMPLEMENTATION AND RESULT

This chapter gives a description about the output that we produced by developing the website of our idea.

5.1 LOGIN

When User enters our web application he will be asked about his login details like email id and password. The login details will be verified with the details given while the user creates an account.

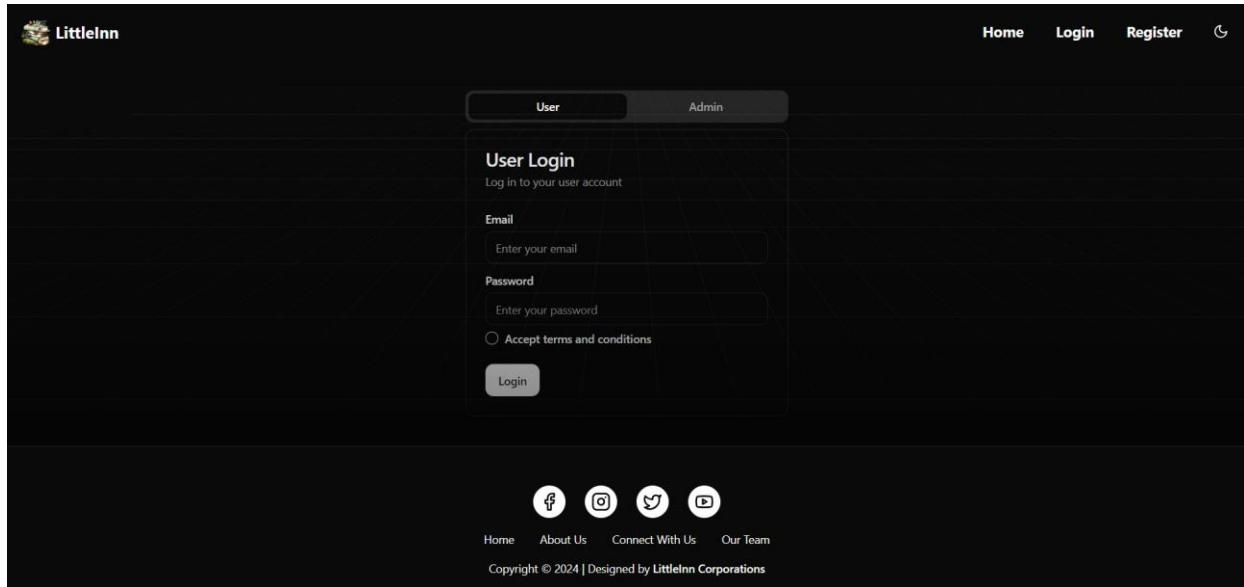


Fig 5.1 LOGIN PAGE

5.2 USER REGISTER

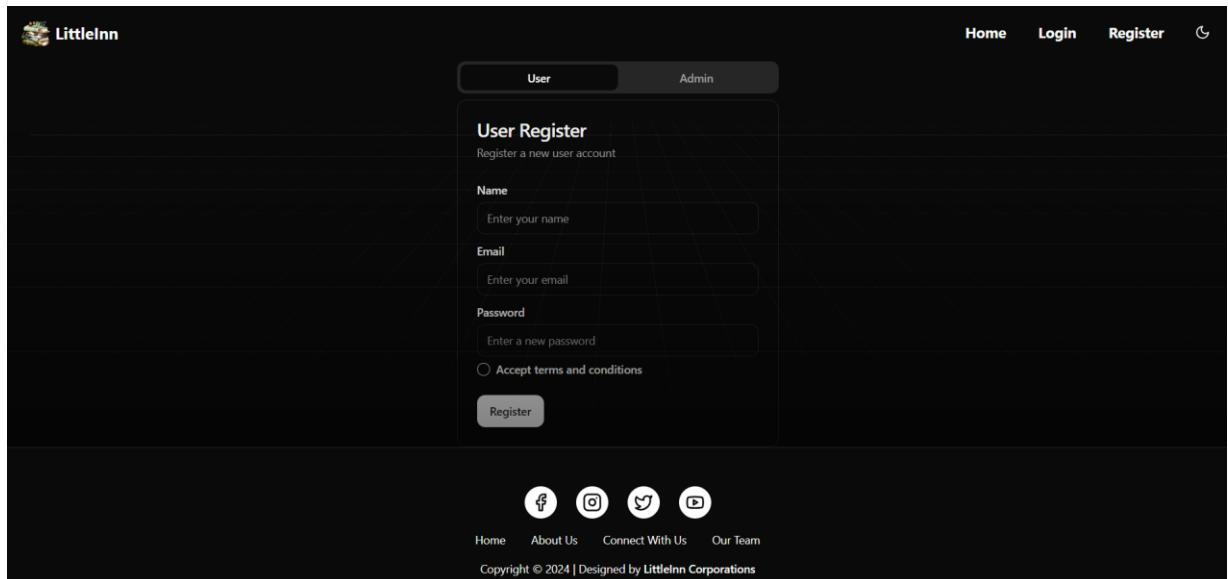


Fig 5.2 USER REGISTER

5.3 ADMIN DASHBOARD

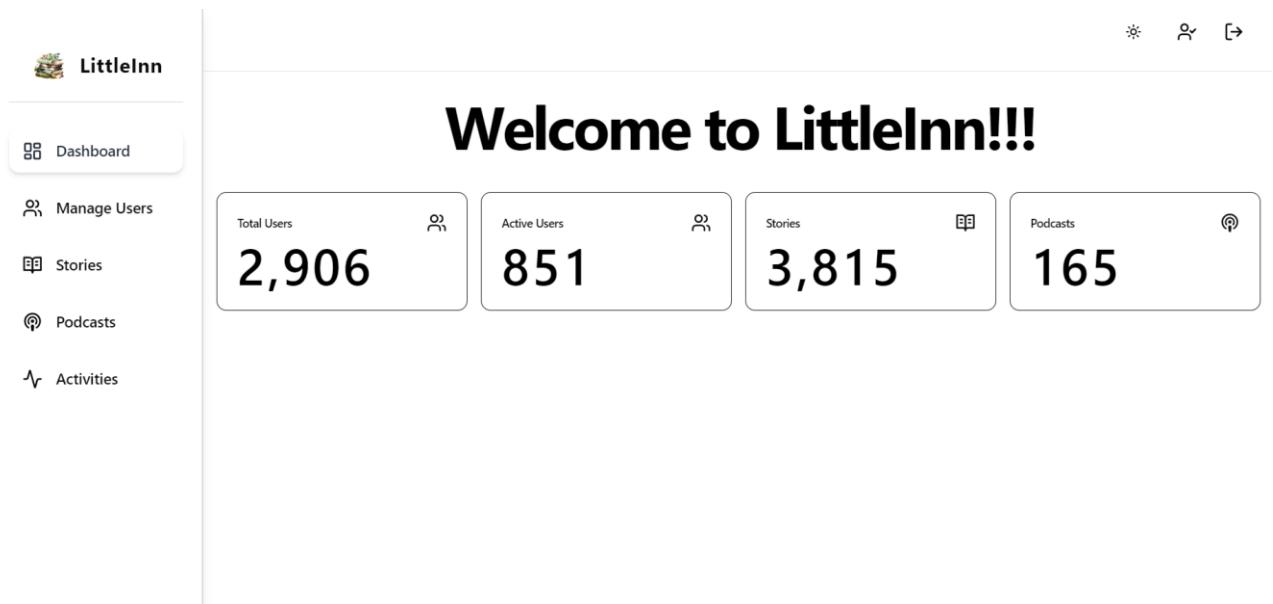


Fig 5.3 ADMIN DASHBOARD

Manage Users

John Doe
Invoice: LIN001
Email: john.doe@example.com
Mobile: 123-456-7890

Jane Smith
Invoice: LIN002
Email: jane.smith@example.com
Mobile: 987-654-3210

Robert Johnson
Invoice: LIN003
Email: robert.johnson@example.com
Mobile: 555-555-5555

Emily Davis
Invoice: LIN004
Email: emily.davis@example.com
Mobile: 111-222-3333

Michael Wilson
Invoice: LIN005
Email: michael.wilson@example.com
Mobile: 444-444-4444

Sarah Brown
Invoice: LIN006
Email: sarah.brown@example.com
Mobile: 666-777-8888

LittleInn

- Dashboard
- Manage Users (selected)
- Stories
- Podcasts
- Activities

Fig 5.4 ADMIN DASHBOARD MANAGE USER PAGE

Stories

Little Red Riding Hood
Little Red Riding Hood is a European fairy tale about a young girl and a sly wolf.

Beauty and the Beast
Originating in France, this is the story of Belle, a beautiful peasant girl.

The Frog Prince
The Frog Prince; or, Iron Henry" is a German fairy tale.

Cinderella III
Snow White and the Seven Dwarfs

LittleInn

- Dashboard
- Manage Users
- Stories (selected)
- Podcasts
- Activities

Fig 5.5 ADMIN DASHBOARD STORIES PAGE

LittleInn

- Dashboard
- Manage Users
- Stories
- Podcasts**
- Activities

Podcasts

From Our Mic To Your Ears :

Show all

Stories Podcast
On the Stories Podcast, we perform a new story for your children every week.

Circle Round
Created and produced by parents of young children, WBUR's Circle Round adapts carefully-selected folktales

Story Pirates
The award-winning Story Pirates Podcast takes stories written by kids and turns them into sketch comedy and songs.

Aaron's World
Aaron's World is a fun and imaginative science-themed audio drama for kids.

Fig 5.6 ADMIN DASHBOARD PODCASTS PAGES

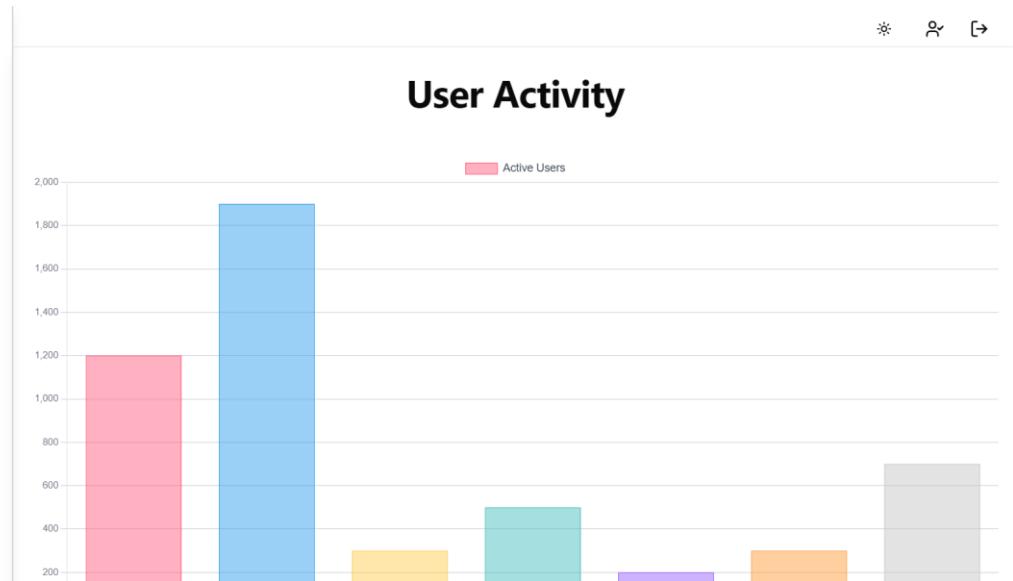


Fig 5.7 ADMIN DASHBOARD ACTIVITIES PAGE

5.8 USER DASHBOARD

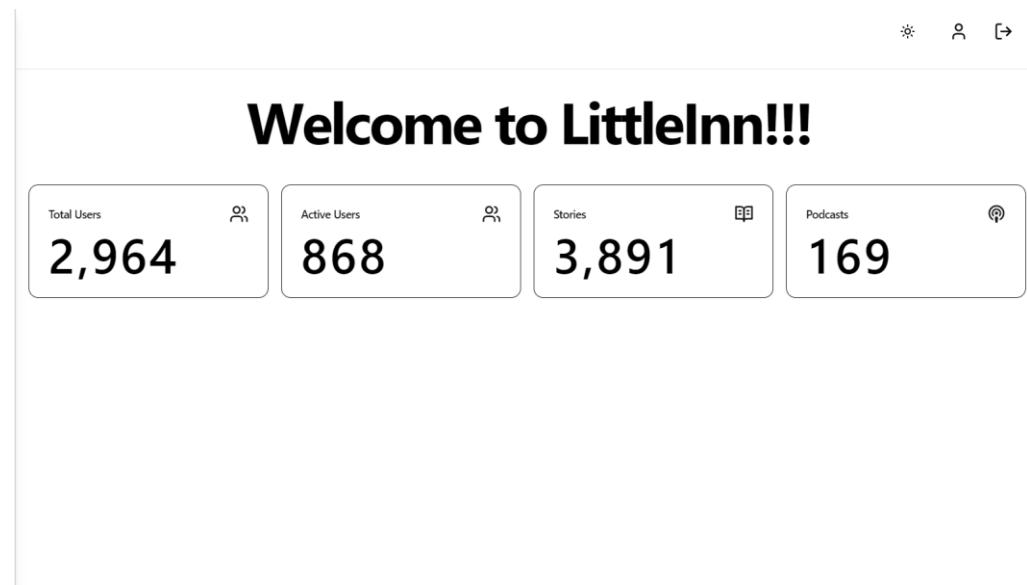


Fig 5.8 USER DASHBOARD

The screenshot shows the "Stories" section of the LittleInn User Dashboard. At the top right are three small icons: a sun, a person, and a refresh arrow. The main title is "Stories". Below it are five cards, each with a thumbnail image and a title. The first three cards have descriptions below them.

Story Title	Description
Little Red Riding Hood	Little Red Riding Hood is a European fairy tale about a young girl and a sly wolf.
Beauty and the Beast	Originating in France, this is the story of Belle, a beautiful peasant girl.
The Frog Prince	"The Frog Prince; or, Iron Henry" is a German fairy tale.
Cinderella III	Thumbnail image for Disney's Cinderella III: A Twist in Time.
Snow White	Thumbnail image for Disney's Snow White and the Seven Dwarfs.

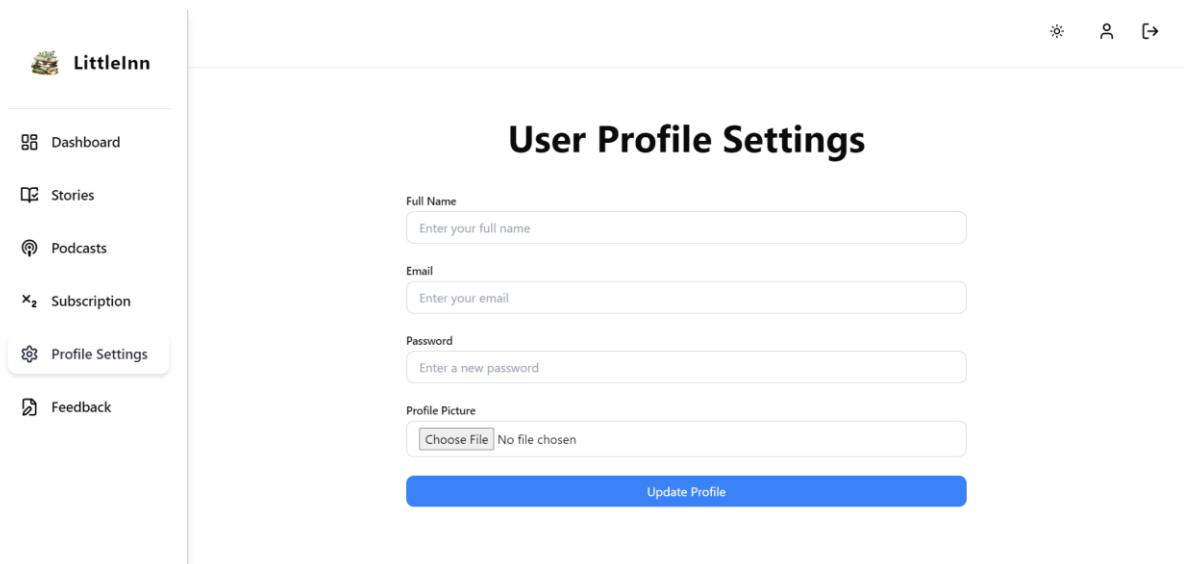
Fig 5.9 USER DASHBOARD STORIES PAGE

The screenshot shows the LittleInn user dashboard with a sidebar on the left containing links for Dashboard, Stories, Podcasts, Subscription (which is highlighted), Profile Settings, and Feedback. The main content area is titled "LittleInn PRO Lifetime Access". It offers three subscription plans: PRO Personal (\$129), PRO Teams (\$599), and PRO Enterprise (\$1499). Each plan includes a "Get Lifetime Access" button. A promotional offer at the top right says "\$80 off for the next 6 customers" with the code "LITTLEINN80" at checkout.

FIG 5.10 USER DASHBOARD SUBSCRIPTION PAGE

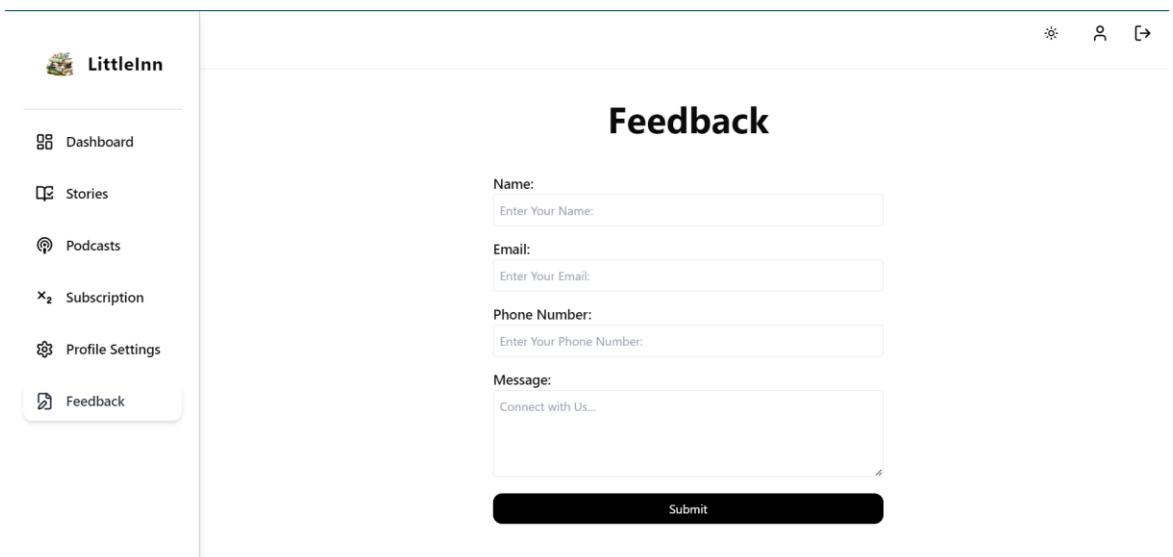
The screenshot shows the LittleInn user dashboard with a sidebar on the left containing links for Dashboard, Manage Users, Stories, Podcasts (which is highlighted), and Activities. The main content area is titled "Podcasts" and features a section titled "From Our Mic To Your Ears :". It lists four podcasts: "Stories Podcast", "Circle Round", "Story Pirates", and "Aaron's World", each with a thumbnail image and a brief description. A "Show all" button is located in the top right corner of this section.

Fig 5.11 USER DASHBOARD PODCASTS PAGE



The screenshot shows the 'User Profile Settings' page of the LittleInn application. The left sidebar contains navigation links: Dashboard, Stories, Podcasts, Subscription, Profile Settings (which is selected and highlighted in blue), and Feedback. The main content area has a title 'User Profile Settings'. It includes fields for 'Full Name' (placeholder: Enter your full name), 'Email' (placeholder: Enter your email), 'Password' (placeholder: Enter a new password), and 'Profile Picture' (button: Choose File, No file chosen). A blue 'Update Profile' button is at the bottom.

Fig 5.12 USER DASHBOARD PROFILE SETTING PAGE



The screenshot shows the 'Feedback' page of the LittleInn application. The left sidebar contains the same navigation links as Fig 5.12. The main content area has a title 'Feedback'. It includes fields for 'Name' (placeholder: Enter Your Name), 'Email' (placeholder: Enter Your Email), 'Phone Number' (placeholder: Enter Your Phone Number), and a large 'Message' text area (placeholder: Connect with Us...). A black 'Submit' button is at the bottom.

Fig 5.13 USER DASHBOARD FEEDBACK PAGE

5.14 CODING

AdminDashboard.jsx:

```

const AdminDashboard = () => {
  const move=useNavigate();
  const users=()=>{
    move('/admin/users')
  }
  const stories=()=>{
    move('/admin/stories')
  }
  const podcasts=()=>{
    move('/admin/podcasts')
  }
  return (
    <>
    <br></br>
    <hr/>
    <br></br>
    <GradualSpacing
      className="font-display text-center text-4xl font-bold tracking-[-0.1em] text-black
      dark:text-white md:text-7xl md:leading-[5rem]"
      text="Welcome to LittleInn!!!"
    />
    <br/>
    <div className="flex flex-row p-4 gap-4">
      <Card className='w-1/4 border border-primary' onClick={users}>
        <CardHeader className="flex flex-row items-center justify-between space-y-0 pb-2">
          <CardTitle className="text-sm font-medium">
            Total Users
          </CardTitle>
          <Users className="h-6 w-6 text-primary" />
        </CardHeader>
        <CardContent>
          <p className="whitespace-pre-wrap text-6xl font-medium tracking-tighter text-black
          dark:text-white">
            <NumberTicker value={2969} />
          </p>
          </CardContent>
        </Card>
        <Card className='w-1/4 border border-primary' onClick={users}>
          <CardHeader className="flex flex-row items-center justify-between space-y-0 pb-2">
            <CardTitle className="text-sm font-medium">
              Active Users
            </CardTitle>
          </CardHeader>
        </Card>
      </Card>
    </div>
  )
}

```

```
<CardContent>
  <p className="whitespace-pre-wrap text-6xl font-medium tracking-tighter text-black dark:text-white">
    <NumberTicker value={869} />
  </p>
</CardContent>
</Card>
<Card className='w-1/4 border border-primary' onClick={stories}>
  <CardHeader className="flex flex-row items-center justify-between space-y-0 pb-2">
    <CardTitle className="text-sm font-medium">
      Stories
    </CardTitle>
    <BookOpenText className="h-6 w-6 text-primary" />
  </CardHeader>
  <CardContent>
    <p className="whitespace-pre-wrap text-6xl font-medium tracking-tighter text-black dark:text-white">
      <NumberTicker value={3897} />
    </p>
  </CardContent>
</Card>
<Card className='w-1/4 border border-primary' onClick={podcasts}>
  <CardHeader className="flex flex-row items-center justify-between space-y-0 pb-2">
    <CardTitle className="text-sm font-medium">
      Podcasts
    </CardTitle>
    <Podcast className="h-6 w-6 text-primary" />
  </CardHeader>
  <CardContent>
    <p className="whitespace-pre-wrap text-6xl font-medium tracking-tighter text-black dark:text-white">
      <NumberTicker value={169} />
    </p>
  </CardContent>
</Card>
</div>
</>
)
}

export default AdminDashboard;
```

UserDashboard.jsx:

```

const UserDashboard = () => {
  const move=useNavigate();
  const stories=()=>{
    move('/user/stories')
  }
  const podcasts=()=>{
    move('/user/podcasts')
  }
  return (
    <>
    <br></br>
    <hr/>
    <br/>
    <GradualSpacing
      className="font-display text-center text-4xl font-bold tracking-[-0.1em] text-black
      dark:text-white md:text-7xl md:leading-[5rem]"
      text="Welcome to LittleInn!!!"
    />
    <br></br>
    <div className="flex flex-row p-4 gap-4">
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        <CardHeader className="flex flex-row items-center justify-between space-y-0 pb-
2">
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          </CardTitle>
          <Users className="h-6 w-6 text-primary" />
        </CardHeader>
        <CardContent>
          <p className="whitespace-pre-wrap text-6xl font-medium tracking-tighter text-
black dark:text-white">
            <NumberTicker value={2969} />
          </p>
          </CardContent>
        </Card>
        <Card className='w-1/4 border border-primary'>
          <CardHeader className="flex flex-row items-center justify-between space-y-0 pb-
2">
            <CardTitle className="text-sm font-medium">
              Active Users
            </CardTitle>
            <Users className="h-6 w-6 text-primary" />
          </CardHeader>
        </Card>
      </div>
    </div>
  )
}

```

```

<CardContent>
  <p className="whitespace-pre-wrap text-6xl font-medium tracking-tighter text-black dark:text-white">
    <NumberTicker value={869} />
  </p>
  </CardContent>
</Card>
<Card className='w-1/4 border border-primary' onClick={stories}>
  <CardHeader className="flex flex-row items-center justify-between space-y-0 pb-2">
    <CardTitle className="text-sm font-medium">
      Stories
    </CardTitle>
    <BookOpenText className="h-6 w-6 text-primary" />
  </CardHeader>
  <CardContent>
    <p className="whitespace-pre-wrap text-6xl font-medium tracking-tighter text-black dark:text-white">
      <NumberTicker value={3897} />
    </p>
  </CardContent>
</Card>
<Card className='w-1/4 border border-primary' onClick={podcasts}>
  <CardHeader className="flex flex-row items-center justify-between space-y-0 pb-2">
    <CardTitle className="text-sm font-medium">
      Podcasts
    </CardTitle>
    <Podcast className="h-6 w-6 text-primary" />
  </CardHeader>
  <CardContent>
    <p className="whitespace-pre-wrap text-6xl font-medium tracking-tighter text-black dark:text-white">
      <NumberTicker value={169} />
    </p>
  </CardContent>
</Card>
</div>
</>
)
}

export default UserDashboard;

```

Home.jsx:

```

const Home = () => {
  return (
    <>
      <div className="flex flex-col items-center justify-center py-12 relative h-100% w-screen bg-cover bg-center" style={{ backgroundImage: "url('https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/LittleInn%20Home%20Bg.jpg?updatedAt=1722141348095')", backgroundSize: "cover", backgroundPosition: "center", }}>
        <hr></hr>
        <section id="home" className="flex flex-col items-center justify-center py-12 relative h-100% w-screen bg-cover bg-center">
          >
            <WordFadeIn words="Little Inn..." />
            <br />
            <h1 className="text-2xl text-center font-bold">
              Explore a World of Wonder: Interactive Stories for Young Readers
            </h1>
            <a href="#services-container">
              <button id="btn" className="mt-4 font-bold py-2 px-4 border border-activate rounded-lg">
                >
                  EXPLORE
                </button>
              </a>
            </section>
          </div>

          <section id="services-container" className="py-16">
            <h1 className="text-5xl font-bold text-center mb-12">Our Services</h1>
            <div id="services" className="flex justify-center flex-wrap">
              <div className="box border-2 rounded-xl m-5 p-6 max-w-md">
                
              </div>
            </div>
          </section>
        </div>
      </div>
    </>
  );
}

```

```
className="h-100 mx-auto rounded-md"
/>>
```

```
<h2 className="text-2xl font-semibold text-center mt-4">
```

Stories

```
</h2>
```

```
<p className="text-center mt-2">
```

Stories are narratives that entertain or convey messages through structured sequences of events.

They often include characters, settings, plots, conflicts, and resolutions.

Whether fictional or non-fictional, stories serve to educate, entertain, and preserve cultural values across generations.

```
</p>
```

```
</div>
```

```
<div className="box border-2 rounded-xl m-5 p-6 max-w-md">
```

```

```

```
<h2 className="text-2xl font-semibold text-center mt-4">Podcasts</h2>
```

```
<p className="text-center mt-2">
```

Compelling Narratives: Story podcasts should have well-crafted narratives that capture the listener's attention.

This includes strong plots, engaging characters, and immersive settings that transport the audience into the story world.

This emotional resonance keeps listeners invested in the story.

```
</p>
```

```
</div>
```

```
<div className="box border-2 rounded-xl m-5 p-6 max-w-md">
```

```

```

```
<h2 className="text-2xl font-semibold text-center mt-4">
```

Story Creation

```
</h2>
```

```
<p className="text-center mt-2">
```

Everyone has a story worth sharing, and now it's easier than ever to let your voice be heard.

Our platform invites you to upload your unique tales, whether they're personal experiences,

fictional adventures, or insightful reflections.

```
</p>
```

```
</div>
```

```
</div>
```

```

    </section>
    </>
);
};

export default Home;

```

AdminStories.jsx:

```

const InterviewCard = ({ name, description, image, additionalInfo, onEdit, onDelete }) => (
  <div className="relative rounded-lg shadow-lg overflow-hidden group">
    <img src={image} alt={name} className="w-full h-48 object-cover" />
    <div className="p-4">
      <h3 className="text-lg font-semibold">{name}</h3>
      <p className="text-gray-600">{description}</p>
    </div>
    <div className="absolute inset-0 bg-black bg-opacity-60 opacity-0 group-hover:opacity-100 flex items-center justify-center transition-opacity duration-300">
      <div className="text-center">
        <p className="text-white px-4">{additionalInfo}</p>
        <Button onClick={onEdit} variant="secondary" className="mt-4">Edit</Button>
        <Button onClick={onDelete} variant="destructive" className="mt-2">Delete</Button>
      </div>
    </div>
  </div>
);

const initialInterviews = [
  {
    name: 'Little Red Riding Hood',
    description: 'Little Red Riding Hood is a European fairy tale about a young girl and a sly wolf.',
    image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/Little%20Red%20Riding%20Hood.webp',
    additionalInfo: 'A classic tale about courage and cleverness in the face of danger.',
  },
  {
    name: 'Beauty and the Beast',
    description: 'Originating in France, this is the story of Belle, a beautiful peasant girl.',
    image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/Beauty%20and%20the%20Beast.jpg',
    additionalInfo: 'A beautiful story about love and understanding beyond appearances.',
  },
];

```

```
{
  name: 'The Frog Prince',
  description: 'The Frog Prince; or, Iron Henry" is a German fairy tale.',
  image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/The%20Frog%20Prince.jpg?updatedAt=1722176812593',
  additionalInfo: 'A story of transformation and keeping promises.',
},
{
  name: 'Cinderella',
  description: '"Cinderella", or "The Little Glass Slipper", is a folk tale with thousands of variants.',
  image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/Cinderella.jpeg',
  additionalInfo: 'A timeless tale of kindness and unexpected fortunes.',
},
{
  name: 'Snow White',
  description: '"Snow White" is a German fairy tale, first written down in the early 19th century.',
  image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/Snow%20White.webp',
  additionalInfo: 'A tale of envy and innocence with a magical twist.',
},
{
  name: 'Jack and the Beanstalk',
  description: 'Jack and the Beanstalk" is an English fairy tale.',
  image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/Jack%20and%20the%20Beanstalk.jpg',
  additionalInfo: 'A daring adventure of bravery and cleverness.',
},
{
  name: 'Hansel and Gretel',
  description: 'A German fairy tale about two siblings who encounter a witch in the woods.',
  image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/Haensel_und_Gretel-2.jpg',
  additionalInfo: 'A story of wit and survival against dark forces.',
},
{
  name: 'The Three Little Pigs',
  description: 'An English fairy tale about three pigs and a wolf who tries to blow their houses down.'
}
```

```
    image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/The-Three-Little-Pigs.webp',
```

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```
        additionalInfo: 'A lesson in hard work and perseverance.',  
    },  
    {  
        name: 'Rapunzel',  
        description: 'A German fairy tale about a young girl with long golden hair trapped in a tower.',  
        image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/432072.jpg',  
        additionalInfo: 'A tale of rescue and love overcoming obstacles.',  
    },  
    {  
        name: 'The Little Mermaid',  
        description: 'A Danish fairy tale about a mermaid who dreams of becoming human.',  
        image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/wp3151972.webp',  
        additionalInfo: 'A story of sacrifice and yearning for a different life.',  
    },  
  
    {  
        name: 'Sleeping Beauty',  
        description: 'A classic fairy tale about a princess who falls into a deep sleep.',  
        image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/wp2795999.jpg',  
        additionalInfo: 'A tale of magic, curses, and true love's kiss.',  
    },  
    {  
        name: 'Rumpelstiltskin',  
        description: 'A German fairy tale about a mysterious dwarf who helps a miller's daughter spin straw into gold.',  
        image: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Home-Tales/e13e83b3d8f7861e51d2947d8f3bbb88.jpg',  
        additionalInfo: 'A story about cleverness and the power of names.',  
    },  
];  
  
const AdminStories = () => {  
    const [visibleStories, setVisibleStories] = useState(5);  
    const [open, setOpen] = useState(false);  
    const [newStory, setNewStory] = useState({  
        name: "",  
        description: "",  
        image: "",  
        additionalInfo: "",  
    });  
}
```

```

const [editingStory, setEditingStory] = useState(null);
const [interviews, setInterviews] = useState(initialInterviews);

const handleLoadMore = () => {
  setVisibleStories(interviews.length);
};

const handleInputChange = (e) => {
  const { id, value } = e.target;
  setNewStory((prev) => ({ ...prev, [id]: value }));
};

const handleAddStory = async() => {
  // const response = await axios.post("http://localhost:7777/stories/addstory",{
  //   name:newStory.name,
  //   description:newStory.description,
  //   author:newStory.name,
  //   story_journal:newStory.additionalInfo,
  //   user_id: 1,
  // })
}

if (editingStory) {
  setInterviews(
    interviews.map((story) =>
      story.name === editingStory.name ? newStory : story
    )
  );
  setEditingStory(null);
} else {
  setInterviews([...interviews, newStory]);
}
setNewStory({ name: "", description: "", image: "", additionalInfo: "" });
setOpen(false);
};

const handleEditStory = (story) => {
  setEditingStory(story);
  setNewStory(story);
  setOpen(true);
};

const handleDeleteStory = (name) => {
  setInterviews(interviews.filter((story) => story.name !== name));
};

return (

```

```

<>
<section
  id="client-section"
  className="py-8 relative"
  style={{ backgroundImage: "url('../image/background2.jpg')" }}
>
  <hr />
  <br />
  <h1 className="text-5xl font-bold text-center mb-12">Stories</h1>
  <div className="container mx-auto p-6">
    <Button onClick={() => setOpen(true)} variant="default" className="mb-4">
      <Plus className="mr-2 h-4 w-4" /> Add New Story
    </Button>
    <div className="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 gap-6">
      {interviews.slice(0, visibleStories).map((interview, index) => (
        <InterviewCard
          key={index}
          name={interview.name}
          description={interview.description}
          image={interview.image}
          additionalInfo={interview.additionalInfo}
          onEdit={() => handleEditStory(interview)}
          onDelete={() => handleDeleteStory(interview.name)}
        />
      )))
    </div>
    {visibleStories < interviews.length && (
      <div className="flex justify-center mt-8">
        <button
          onClick={handleLoadMore}
          className="px-4 py-2 bg-blue-600 text-white rounded hover:bg-blue-700"
        >
          Load more stories
        </button>
      </div>
    )}
  </div>

  <Sheet open={open} onOpenChange={setOpen}>
    <SheetContent>
      <SheetHeader>
        <SheetTitle>
          {editingStory ? 'Edit Story' : 'Add New Story'}

```

```
</SheetTitle>
<SheetClose />
</SheetHeader>
```

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```
<div className="space-y-4">
  <div>
    <Label htmlFor="name">Name</Label>
    <Input
      id="name"
      value={newStory.name}
      onChange={handleInputChange}>
    />
  </div>
  <div>
    <Label htmlFor="description">Description</Label>
    <Input
      id="description"
      value={newStory.description}
      onChange={handleInputChange}>
    />
  </div>
  <div>
```

```
<Label htmlFor="image">Image URL</Label>
  <Input
    id="image"
    value={newStory.image}
    onChange={handleInputChange}>
  />
</div>
<div>
  <Label htmlFor="additionalInfo">Additional Info</Label>
  <Input
    id="additionalInfo"
    value={newStory.additionalInfo}
    onChange={handleInputChange}>
  />
</div>
</div>
<br/>
<SheetFooter>
  <Button onClick={handleAddStory}>
    {editingStory ? 'Update Story' : 'Add Story'}
  </Button>
```

```

        </SheetFooter>
    </SheetContent>
</Sheet>

</section>
</>
);
};

export default AdminStories;

```

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UserPodcasts.jsx

```

const UserPodcasts = () => {
    const [showAll, setShowAll] = useState(false);
    const [currentPodcast, setCurrentPodcast] = useState(null);
    const audioRef = useRef(null);

    const podcasts = [
        {
            id: 1,
            title: 'Stories Podcast',
            description: 'On the Stories Podcast, we perform a new story for your children every week.',
            video: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Podcasts/CAL-animation-share.gif',
        },
        {
            id: 2,
            title: 'Circle Round',
            description: "Created and produced by parents of young children, WBUR's Circle Round adapts carefully-selected folktales",
            video: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Podcasts/podcast-radio.gif',
        },
        {
            id: 3,
            title: 'Story Pirates',
            description: 'The award-winning Story Pirates Podcast takes stories written by kids and turns them into sketch comedy and songs.',
            video: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Podcasts/1c25a560-024a-4cc3-8676-f8582ed8868e_480x270.gif',
        },
    ];
}

```

```

id: 4,
title: "Aaron's World",
description: "Aaron's World is a fun and imaginative science-themed audio drama for kids.",
video: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Podcasts/a-matter-of-degrees-logo.gif',
},
];
};

const morePodcasts = [
{
id: 5,
title: 'Unspookable',
description: 'Unspookable is a family-friendly look at the histories and mysteries behind your favorite scary stories, myths, and urban legends.',
video: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Podcasts/giphy.gif',
},
{
id: 6,
title: 'Cultureverse',
description: 'CULTUREVERSE is an immersive audio drama that celebrates our collective cultural past.',
video: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Podcasts/2020-YearinReview-BestMusic.gif',
},
{
id: 7,
title: 'Timestorm',
description: 'The Ventura twins are yanked into another dimension where they meet a distant cousin who gives them an extraordinary mission.',
video: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Podcasts/panda500-original.webp',
},
{
id: 8,
title: 'Girl Tales',
description: 'Girl Tales is a podcast featuring reimagined fairytales. Damsels in distress? Princesses in need of protection? You won't find those here.',
video: 'https://ik.imagekit.io/SrinivasanRavi/Home/LittleInn/Podcasts/2019-Larson-Best-Podcast.gif',
},
];

```

```
const handlePlayClick = (podcast) => {
  setCurrentPodcast(podcast);
```

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```
if (audioRef.current) {
  audioRef.current.load();
  audioRef.current.play();
}
};
```

```
const handlePlayPause = () => {
  if (audioRef.current.paused) {
    audioRef.current.play();
  } else {
    audioRef.current.pause();
  }
};
```

```
const handleClose = () => {
  if (audioRef.current) {
    audioRef.current.pause();
  }
  setCurrentPodcast(null);
};
```

```
return (
  <>
  <br />
  <hr />
  <br />
  <h1 className="text-5xl font-bold text-center mb-4">Podcasts</h1>
  <div className="p-8">
```

```
<div className="flex justify-between items-center mb-8">
  <TypingAnimation
    className="text-4xl font-bold text-black dark:text-white"
    text="From Our Mic To Your Ears :"
  />
  <button
    className="bg-blue-500 text-white py-2 px-4 rounded hover:bg-blue-600 transition
duration-300"
    onClick={() => setShowAll(!showAll)}
  >
    {showAll ? 'Show less' : 'Show all'}
  </button>
</div>
<div className="flex space-x-6 overflow-x-auto mb-8">
```

```
{podcasts.map((podcast) => (
  <div
    key={podcast.id}
```

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```
    className="bg-gray-800 rounded-lg p-4 w-64 shadow-lg hover:bg-gray-700 transition-transform transform hover:-translate-y-2"
  >
  <div className="relative">
    <img
      src={podcast.video}
      className="rounded-lg mb-4 transition-transform transform hover:scale-105"
      alt={podcast.title}
    />
    <button
      className="absolute top-2 bottom-4 right-4 bg-green-500 w-12 h-12 rounded-full shadow-lg hover:bg-green-600 transition duration-300"
      onClick={() => handlePlayClick(podcast)}
    >
      <svg
        xmlns="http://www.w3.org/2000/svg"
        className="h-6 w-6 mx-auto text-white"
        fill="none"
        viewBox="0 0 24 24"
        stroke="currentColor"
      >
        <path
          strokeLinecap="round"
          strokeLinejoin="round"
          strokeWidth={2}
          d="M14.752 11.168l-6.426 3.686A1 1 0 0 1 13.686V6.314a1 1 0 0 1 1.326-.945l6.426 3.686a1 1 0 0 1 1.714z"
        />
      </svg>
    </button>
  </div>
  <h3 className="text-xl font-bold text-white mb-2">{podcast.title}</h3>
  <p className="text-white">{podcast.description}</p>
</div>
))})
</div>
```

```
{showAll && (
  <div className="flex space-x-6 overflow-x-auto">
    {morePodcasts.map((podcast) => (
```

32

```
      <div
        key={podcast.id}
        className="bg-gray-800 rounded-lg p-4 w-64 shadow-lg hover:bg-gray-700
transition-transform transform hover:-translate-y-2"
      >
        <div className="relative">
          <img
            src={podcast.video}
            className="rounded-lg mb-4 transition-transform transform hover:scale-105"
            alt={podcast.title}
          />
          <button
            className="absolute top-2 bottom-4 right-4 bg-green-500 w-12 h-12 rounded-full
shadow-lg hover:bg-green-600 transition duration-300"
            onClick={() => handlePlayClick(podcast)}
          >
            <svg
              xmlns="http://www.w3.org/2000/svg"
              className="h-6 w-6 mx-auto text-white"
              fill="none"
              viewBox="0 0 24 24"
              stroke="currentColor"
            >
              <path
                strokeLinecap="round"
                strokeLinejoin="round"
                strokeWidth={2}
                d="M14.752 11.168l-6.426 3.686A1 1 0 017 13.686V6.314a1 1 0 011.326-
.945l6.426 3.686a1 1 0 010 1.714z"
              />
            </svg>
          </button>
        </div>
```

```
      <h3 className="text-xl font-bold text-white mb-2">{podcast.title}</h3>
      <p className="text-white">{podcast.description}</p>
    </div>
  ))}
</div>
)}
```

```
<audio ref={audioRef} className="flex-grow">
  <source src={currentPodcast.audio} type="audio/mp3" />
  Your browser does not support the audio element.
```

33

```
</audio>
<div className="flex items-center space-x-4">
  <button onClick={handlePlayPause}>
    <svg
      xmlns="http://www.w3.org/2000/svg"
      className="h-8 w-8 text-white"
      fill="none"
      viewBox="0 0 24 24"
      stroke="currentColor"
    >
      <path
        strokeLinecap="round"
        strokeLinejoin="round"
        strokeWidth={2}
        d="M10 9v6l5-3-5-3z"
      />
    </svg>
  </button>
  <button onClick={handleClose}>
    <svg
      xmlns="http://www.w3.org/2000/svg"
      className="h-8 w-8 text-white"
      fill="none"
      viewBox="0 0 24 24"
      stroke="currentColor"
    >
      <path
        strokeLinecap="round"
        strokeLinejoin="round"
        strokeWidth={2}
        d="M4 4l16 16M4 20L20 4"
      />
    </svg>
  </button>
</div>
</div>
</div>
</div>
);
};
```

</button>

</div>

</div>

</div>

)

</div>

</>

);

};

App.jsx:

```

export default UserPodcasts;

const App = () => {
  return (
    <>
    <BrowserRouter>
      <Routes>
        <Route element={<HomeLayout />}>
          <Route path="/" element={<Home />} />
          <Route path="/login" element={<Login />} />
          <Route path="/register" element={<Register />} />
        </Route>

        <Route element={<AdminLayout />}>
          <Route path="/admin/dashboard" element={<AdminDashboard />} />
          <Route path="/admin/users" element={<AdminUser />} />
          <Route path="/admin/stories" element={<AdminStories />} />
          <Route path="/admin/podcasts" element={<AdminPodcasts />} />
          <Route path="/admin/activities" element={<AdminActivity />} />
        </Route>

        <Route element={<UserLayout />}>
          <Route path="/user/dashboard" element={<UserDashboard />} />
          <Route path="/user/podcasts" element={<UserPodcasts />} />
          <Route path="/user/stories" element={<UserStories />} />
          <Route path="/user/subscription" element={<UserSubscription />} />
          <Route path="/user/profile" element={<UserProfileSettings />} />
          <Route path="/user/feedback" element={<UserFeedback />} />
        </Route>

        <Route path="*" element={<NotFound />} />
      </Routes>
    </BrowserRouter>
  </>
)
}
export default App;

```


CHAPTER 6

CONCLUSION

This chapter tells about the conclusion that anyone can drive from the project and the learning we learnt by taking over this project.

6.1 CONCLUSION

In conclusion, the "Interactive Children's Storybook and Educational Web Application" is designed to revolutionize the way children engage with educational content, offering a personalized and interactive learning experience. This platform caters to the diverse needs of parents, educators, and children, providing tailored storybooks and activities that adapt to individual learning styles and preferences. By integrating real-time progress tracking, personalized storytelling, and educator feedback, the system ensures that each child receives a customized educational journey. The application is scalable and can accommodate a wide range of educational environments, from home learning to classroom settings. It enhances communication between parents and educators, fosters a love for reading in children, and supports continuous learning and development. With its user-friendly interface, secure data management, and regular content updates, the platform offers a comprehensive solution for modern education, bridging the gap between traditional storytelling and interactive digital learning.

6.2 FUTURE SCOPE

Integration of AI and Machine Learning:

Leveraging AI and Machine Learning, the platform can offer personalized content recommendations based on a child's reading habits, learning progress, and preferences. These technologies can analyze user data to suggest storybooks and activities that align with the child's developmental stage and interests.

Enhanced Security Measures:

To ensure the protection of sensitive user data, the platform incorporates advanced security protocols designed to safeguard personal information and prevent unauthorized access or breaches. Continuous improvements in security measures are a priority, ensuring that user data remains confidential and that the platform complies with the highest standards of data protection.

Mobile Application Development:

To enhance accessibility and convenience, a mobile application version of the platform is being developed. This app will allow parents, educators, and children to access storybooks, monitor progress, and engage with educational activities on-the-go, ensuring that learning is always within reach.

Analytics and Reporting:

The platform will include robust analytics tools to provide insights into user engagement, learning progress, and feedback. These data-driven insights will help educators and parents make informed decisions, tailoring educational strategies to improve learning outcomes.

Adaptive Learning Models:

The platform will incorporate adaptive learning models that adjust the difficulty of activities and story challenges based on the child's responses. This approach provides a more personalized and accurate assessment of each child's learning needs and abilities.

Collaborations with Educational Organizations:

Partnering with educational organizations and content providers will expand the range of storybooks and educational activities available on the platform. These collaborations will ensure that the content remains diverse, high-quality, and aligned with educational standards.

CHAPTER 7

REFERENCE

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