

Roadmaps Learning Website

A modern, responsive learning platform that provides personalized roadmaps for various programming and technology skills.

Features

Main Landing Page

- **Professional Animated Background:** Particles, geometric shapes, orbs, and grid patterns
- **Interactive Rocket Animations:** Smooth scroll-triggered animations
- **Responsive Design:** Optimized for desktop, tablet, and mobile devices
- **Smooth Scroll Navigation:** Enhanced user experience with custom scroll behavior

Authentication System

- **Sign In Page:** Clean form with validation and social login options
- **Sign Up Page:** Compact form with password strength indicator
- **Glassmorphism Design:** Modern UI with backdrop blur effects
- **Form Validation:** Real-time validation with error handling

User Experience

- **Custom Learning Pace:** Personalized learning experience
- **Variety of Roadmaps:** Multiple carefully crafted learning paths
- **Testing & Quizzes:** Understanding assessment tools
- **Reward System:** Points and achievements for progress tracking

Technologies Used

- **HTML5:** Semantic markup structure
- **CSS3:** Advanced styling with animations and responsive design
- **JavaScript (ES6+):** Interactive functionality and animations
- **Lottie Animations:** High-quality animated graphics
- **Responsive Design:** Mobile-first approach

Project Structure

```
Project-roadmap/
├── Assets/
│   └── Animation - 1750768719983.json    # Lottie animation file
├── Page/
│   ├── main.html                        # Landing page
│   ├── signin.html                      # Sign in page
│   └── signup.html                      # Sign up page
└── Script/
```

```
|   |— background.js           # Animated background
controller
|   |— main.js               # Main page functionality
|   |— signin.js            # Sign in form validation
|   |— signup.js            # Sign up form validation
|— Style/
   |— background.css         # Background animations
   |— main.css               # Main page styles
   |— signin.css             # Sign in page styles
   |— signup.css             # Sign up page styles
```



Design Features

- **Professional Color Scheme:** Blue gradient theme with consistent branding
- **Smooth Animations:** 60fps animations with optimized performance
- **Interactive Elements:** Hover effects and focus states
- **Accessibility:** Proper contrast ratios and keyboard navigation
- **Cross-browser Compatibility:** Works on all modern browsers



Responsive Breakpoints

- **Mobile:** 320px - 480px
- **Tablet:** 481px - 768px
- **Desktop:** 769px and above



Getting Started

1. Clone the repository:

```
git clone https://github.com/Erwin466/Project-roadmap.git
```

2. Open `Page/main.html` in your browser to view the website
3. Navigate through the different pages using the navigation menu



Key Improvements Made

- ☒ Converted navigation from paragraph tags to proper anchor links
- ☒ Implemented professional animated background system
- ☒ Added comprehensive responsive design
- ☒ Created form validation with real-time feedback
- ☒ Fixed rocket animation visibility issues
- ☒ Optimized scroll timing for better UX
- ☒ Added password strength indicators
- ☒ Implemented glassmorphism design effects



Future Enhancements

- Backend integration for user authentication
- Database for storing user progress and roadmaps
- Interactive roadmap creation tools
- Advanced progress tracking and analytics
- Community features and discussion forums



License

This project is open source and available under the [MIT License](#).



Contributing

Contributions, issues, and feature requests are welcome! Feel free to check the [issues page](#).



Contact

For any questions or suggestions, please feel free to reach out!

Built with ♥ for the learning community