**Assignment Documentation**

**Project Title:**

**TV Show Review App**

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**1. Project Overview**

The **TV Show Review App** is an Angular-based web application that allows users to browse, review, and save their favorite TV shows. The app includes several core pages: Home, TV Shows, Favorites, Login, and Register. The design emphasizes a modern look with beige and brown tones for a visually appealing and user-friendly interface.

**2. Project Structure**

The project is structured as follows:

* **src/app**: Contains the main application components.
  + **app.component.ts**: Main application component.
  + **app.module.ts**: Main application module.
  + **app-routing.module.ts**: Handles routing between components.
  + **components/**: Contains the core components like home, tvshows, favorites, login, and register.
* **assets/**: Contains images and other static resources.
* **environments/**: Contains environment-specific configurations.

**3. Installation and Setup**

To set up and run the application locally:

1. **Clone the repository:**

bash

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git clone [your-repo-link]

cd movie-book-tv-review-app

1. **Install dependencies:**

bash

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npm install

1. **Run the application:**

bash

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ng serve

The app will be available at http://localhost:4200.

**4. Deployment**

The application was intended to be deployed on Heroku using the following steps:

1. **Build the production version of the app:**

bash

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ng build --configuration production

1. **Deploy to Heroku:** Use the Heroku CLI to create an app and push the production build to Heroku.

**5. Issues and Mistakes**

During development, several issues were encountered that could not be resolved due to time constraints. These issues should be noted:

**5.1 Binding Errors**

The following error was encountered due to missing FormsModule in the app.module.ts:

NG8002: Can't bind to 'ngModel' since it isn't a known property of 'input'.

* **Cause:** The FormsModule was not imported into app.module.ts, which is required for two-way data binding in Angular.
* **Solution:** Import FormsModule into app.module.ts.

**5.2 Unknown Component Errors**

NG8001: 'app-footer' is not a known element.

* **Cause:** The app-footer component was used without being declared or properly imported in the app.module.ts.
* **Solution:** Ensure that all components are properly declared in app.module.ts.

**5.3 Missing Properties in Components**

Errors related to missing properties in the login and register components:

bash

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Property 'email' does not exist on type 'LoginComponent'.

* **Cause:** The properties email, password, etc., were not defined in the respective components.
* **Solution:** Define the necessary properties in the component's TypeScript file.

**6. Further Improvements**

Given more time, the following improvements could be made:

* **Fixing the above errors** by ensuring all necessary modules are imported, components are declared, and properties are defined.
* **Enhancing the UI** by adding more interactive elements and polishing the overall design.
* **Implementing a backend API** to manage user authentication, TV shows data, and reviews.

**7. GitHub Repository**

The source code for this project can be found at the following GitHub repository:

<https://github.com/sv1-aleksandra/movie-book-tv-review-app.git>

**8. Conclusion**

The **TV Show Review App** project demonstrates the basic structure and functionality of an Angular application, including routing, component interaction, and form handling. While some issues remain unresolved due to time constraints, the project serves as a solid foundation for further development and enhancement.