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Task Title: OTT Platform Website Clone

Task Description: The objective of this task is to recreate the design and functionality of an OTT (Over-The-Top) platform website, similar to platforms like Netflix, Amazon Prime, or Zee5, using HTML, CSS, and JavaScript. The project includes a homepage with sections for trending movies, series, and recommended content, a content details page, and search functionality. Optionally, user authentication can be added for an extra challenge.

Steps Taken:

1. **Planning and Research:**
   o Identified key features and design elements of popular OTT platforms.
   o Created a project plan outlining the structure and functionality needed.
2. **HTML Structure:**
   o Developed `index.html` for the homepage layout with sections for trending and recommended content.
   o Created `content-details.html` to display detailed information about selected content.
3. **CSS Styling:**
   o Designed `styles.css` to style the homepage and content details page for a visually appealing look.
4. **JavaScript Functionality:**
   o Implemented `script.js` to handle dynamic content loading, navigation to the content details page, and search functionality.
   o Utilized localStorage to pass content details between pages.
5. **Testing and Debugging:**
   o Tested the application in different browsers to ensure compatibility.
   o Fixed layout issues and improved responsiveness.

Challenges Faced:

- **Dynamic Content Management:**
   o Handling dynamic content updates and navigation between pages without a backend.
- **Responsive Design:**
   o Ensuring the website is responsive and looks good on various devices and screen sizes.
- **Search Functionality:**
   o Implementing an efficient search mechanism that filters content in real-time.

Solutions Implemented:

- Used JavaScript to dynamically generate and display content items on the homepage.
- Applied CSS Grid and Flexbox for responsive layout design.
- Added event listeners to handle search input and filter displayed content based on user queries.
- Utilized localStorage to store and retrieve content details, enabling navigation to the content details page.

Learnings:

- Gained a deeper understanding of structuring web pages using HTML and CSS.
- Enhanced skills in JavaScript for manipulating the DOM and handling user interactions.
- Learned techniques for creating responsive designs that adapt to different screen sizes.
- Improved knowledge of client-side storage mechanisms like localStorage.

Project Update:

- **Homepage:** Completed the layout and design with sections for trending and recommended content.
- **Content Details Page:** Implemented a page to display detailed information about selected content.
- **Search Functionality:** Developed a search feature that filters content based on user input.
- **Future Enhancements:**
    - Plan to add user authentication for personalized content recommendations.
    - Implement additional features like user reviews, ratings, and watchlists.
    - Integrate a backend service for managing and storing content data.