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❖ TASK TITLE :

"OTT Platform Website Clone "

❖ TASK DESCRIPTION :

Recreate the layout and design of the OTT platform's homepage, including sections for trending movies, series, and recommended content. The goal is to create an engaging and visually appealing homepage that mimics the chosen OTT platform's design.

❖ STEPS TAKEN :

1. Analyzed the homepage layout of Disney Application.

2. Created a wireframe and design mockup of the homepage using Figma.
3. Structured the homepage using HTML, ensuring semantic markup.

4. Styled the homepage with CSS, focusing on Flexbox and Grid for layout.

5. Implemented carousels for trending movies and series using a JavaScript library.

6. Tested the homepage on different devices and browsers to ensure responsiveness and cross-browser compatibility.

❖ CHALLENGES FACED :

- **Ensuring the carousel functionality worked smoothly across different browsers.**
- **Handling the dynamic resizing of content to maintain a consistent look and feel on various screen sizes.**

1. **Dynamic Element Handling:**
    - Challenge: Ensuring that dynamically added tasks could be interacted with (marked as complete or deleted).
    - Solution: Used event delegation to manage event listeners for dynamic elements.

2. **Responsive Design:**
    - Challenge: Making sure the app was fully responsive and functional on various devices.
    - Solution: Used CSS media queries and flexible layout techniques to ensure a consistent look and feel.

3. **Local Storage Management:**
    - Challenge: Persisting tasks across page reloads using local storage.

- Solution: Implemented functions to save tasks to and retrieve tasks from local storage.

❖ SOLUTIONS IMPLEMENTED :

- **Used the Slick Carousel library for robust and cross-browser compatible carousels.**
- **Implemented CSS media queries to handle responsive design and ensure content adapts well to different screen sizes.**

1. **Event Delegation:**

- Implemented event delegation in JavaScript to handle events for dynamically added tasks, ensuring they could be interacted with properly.

2. **CSS Media Queries:**

- Applied CSS media queries to adjust the layout for different screen sizes, ensuring the app is responsive and user-friendly on both mobile and desktop devices.

3. **Local Storage:**

- Used JavaScript's local storage API to store tasks, ensuring that they persist across page reloads and browser sessions.

❖ LEARNINGS :

- **Learned how to effectively use Flexbox and Grid for creating complex layouts.**
- **Gained experience with the Slick Carousel library for implementing dynamic carousels.**
- **Improved understanding of responsive design techniques and cross-browser compatibility issues.**

1. **Improved JavaScript Skills:**
   - Enhanced understanding of JavaScript, particularly in manipulating the DOM and handling events for dynamically added elements.
2. **Responsive Design Techniques:**
   - Gained deeper knowledge of responsive design principles and how to effectively use CSS media queries to create adaptable layouts.
3. **Local Storage Utilization:**
   - Learned how to use local storage to save and retrieve data, ensuring persistence across sessions**.**

❖ PROJECT UPDATE:

The homepage layout has been successfully implemented and is fully functional, including dynamic carousels for trending movies and series. The next step is to work on the content details page to display detailed information about movies and series, followed by implementing search functionality