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// Replace renderMovies in your frontend with:
async function renderMovies(moviesData = null) {
  const moviesToRender = moviesData || await fetchMovies();
  movieContainer.innerHTML = "";

  moviesToRender.forEach(movie => {
    // ... rest of your existing card creation code
  });
}

async function fetchMovies() {
  try {
    const response = await fetch('http://localhost:5000/api/movies');
    return await response.json();
  } catch (err) {
    console.error('Error fetching movies:', err);
    return [];
  }
}

// Update search and filter functions to call the API
async function searchMovies(query) {
  try {
    const response = await fetch(`http://localhost:5000/api/movies/search?q=${query}`);
    const results = await response.json();
    renderMovies(results);
    logToTerminal(`Search results for: ${query}`);
  } catch (err) {
    console.error('Search error:', err);
  }
}

```