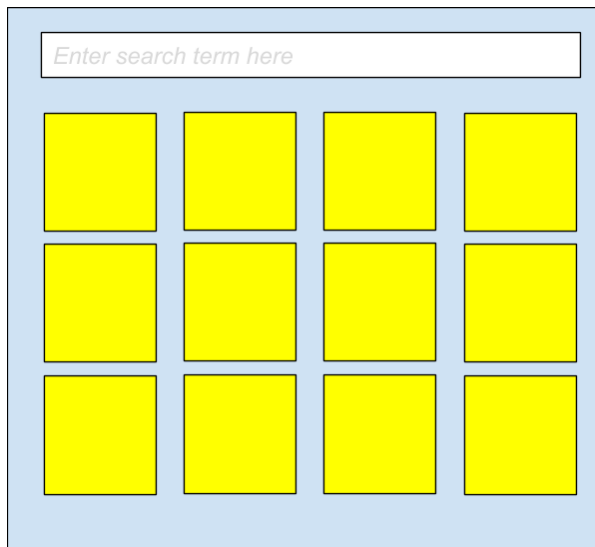


Requirements

- You need to implement a simple movie database browser using <http://www.omdbapi.com/>.
- Use <http://www.omdbapi.com/?apikey=6367da97&s=sun> API call to search for all titles starting with “sun”. Note that empty search doesn’t return any results and short 2-3 symbol queries often don’t return results as well.

Main Screen



Search results should be displayed in a grid.

Search should be performed as you type.

Search bar should not be blocked while results are fetched, you should handle all concurrency consequences gracefully.

Do not implement any scroll, ignore any results beyond the grid capacity.

Do not use any automatic layout managers (i.e. grid layout).

Results should always be sorted alphabetically.

Only elements with loaded textures should be present in the grid. No placeholder tiles should be present.

When search is updated, tiles that no longer present in the search results should disappear.

When search is updated, tiles that were available in the previous search should continue to be visible. Their positions may change to maintain sorting order and accommodate for deleted or inserted tiles.

Please animate the process of grid reorganization, including tile disappearing, shifting to make way for new items, etc.

Start animating the results as they're coming in, you **should not wait** for all results to become available and animate them after.

You should optimize for network requests (i.e. don't issue duplicate network requests, or request data that is no longer relevant for the current state of the search).

Please implement texture caching for the tiles.

You should also optimize for speed and responsiveness of the UI - i.e. spawn texture requests in parallel.

Movie Detail Screen

User is navigated to movie detail screen after clicking on the main screen.

Movie detail screen should render a back button, close button, some movie details, and related movie gallery list.

Please simulate the "related movies" by fetching titles with the same year as the original movie minus one. That way, they would always be updated.

The related movies grid should have a different configuration, but the same visual effects should be present as on main screen.

