For this project, I built a movie search web application using the OMDb API. The main user-control feature I implemented was local data storage for favorite movies, along with clear options to delete and export the data. I chose this feature because many modern apps store personal preferences or viewing history on external servers without giving users control. In contrast, my application keeps data entirely on the user's device and makes it transparent and easy for them to clear or download their information at any time. This empowers users by ensuring their preferences stay private and under their control.

This design gives users more agency than typical applications because it does not collect or transmit their data to a backend server. Most platforms save search history or favorites by default and do not offer easy data-export tools. My approach aligns with ethical computing practices by prioritizing user autonomy and privacy. Users can choose what to keep, erase, or take with them.

One challenge I faced during development was handling API errors and slow responses, since external APIs are not always consistent. I solved this by adding error messages and fallback states so the interface still guides the user even when the API fails. Through this project, I learned how technical design decisions directly affect user trust and digital safety.