Since I already described this artifact and explained why I included it in my ePortfolio in a previous enhancement, I’ll skip repeating that here. Instead, I want to focus on how this enhancement allowed me to meet the course outcome I was aiming for. My main goal was to expand the project by integrating a cloud database, which would take it from a locally stored application to one that could function on a much larger scale. I accomplished this by fully migrating from a local database system to MongoDB, which I believe clearly demonstrates that outcome.

The enhancement process wasn’t without challenges. The biggest issue came when the method I had originally planned to use for connecting to MongoDB was deprecated the very day I started the project, terrible timing… Because this was a school project and not something intended for public release, I chose to connect directly to the database rather than building out a secure API. While not best practice for production, this approach worked for the purposes of the course.

Once I resolved the connection issue, I rebuilt all the necessary functions to communicate with the cloud database and replaced every local database call with its new online equivalent. This not only gave the app a stronger foundation but also showed me firsthand the importance of adaptability when working with rapidly evolving technologies.