# Project Design
## Weekly Report 17: 1/11 - 1/17

With most projects, the brainstorming process generally misses one important factor: details. This is because ideas from brainstorming are on a high and abstract level. The project design process helps fill these deficiencies and gaps of planning by filling out all the technical and product details.

This past week, I had the opportunity to go through the product details for the final product. In doing so, the final product is now much better planned and a clear direction for the next steps are in place.

With the product design process, one of the major challenges was determining the architecture of the overall product because it is an unfamiliar process, required me to look ahead to future phases of the final product, and there were no formal guides on how to do this.  To overcome this, it was necessary to look through other full-stack application architectures and draw my own conclusions. Going through this process for multiple applications and analyzing the behavior of these applications developed key skills that are incredibly helpful in the software industry because of how I learned the process of project design, how to learn quickly, and how to draw and synthesize inspiration from different sources. Moreover, learning without resources is beneficial because, oftentimes, many pieces of technology that are used do not have extensive documentation, making development with these technologies difficult. However, I am able to bridge that gap in knowledge through this experience.

Reflecting for the future, the skills I have gained through the project design process will be invaluable when creating my own products or contributing to a team. Going through the project design process has allowed for a more holistic mindset on the different requirements of a certain project. Additionally, the project architecture has taught many technical details about Amazon Web Services that otherwise never have been discovered. From this, I have become a more appealing and prepared developer.