## Conception Phase Summary Oskar Wolf

During this phase of my database development project, I focused on resolving the existing challenge of organizing and managing data in an Airbnb-like platform. The goal was to create a database system that is efficient and scalable, capable of handling a wide range of information related to accommodations, users, bookings, reviews, and more.

To address this challenge, I utilized the DbSchema software to design and implement a relational database model. Each table within the model was carefully structured to capture specific data attributes and establish relationships with other tables, enabling comprehensive data management and analysis. Detailed descriptions of each table, along with the data types for each attribute, can be found in the exported PDF file.

Using Martin (Crowfoot) notation, I specified cardinality to indicate the relationships between tables, providing a clear understanding of the associations and dependencies.

Key tables such as Accommodations, Users, Bookings, Reviews, Photos, Tags, and Facilities were created to serve as the foundation for storing and organizing essential information. These tables allowed me to capture important details about accommodations, user profiles, booking information, feedback, visual representations, and various amenities.

To ensure data integrity and optimize performance, I incorporated primary keys, foreign keys, and indexing mechanisms. These techniques played a vital role in establishing relationships between tables and improving the efficiency of querying and retrieving data.

In addition to the database structure, I implemented features such as user verification, notifications, messaging, and ratings to enhance the user experience and foster trust and reliability within the Airbnb community.

Looking ahead, my plan for the next phase is to incorporate the feedback received and make any necessary adjustments while developing the physical model. I intend to utilize DBeaver to create a mySQL database based on the updated schema, further refining and implementing the database system to meet the project requirements.