# A black and white logo Description automatically generated

# Design Document

**Roomify** is an automated meeting room booking system designed to streamline the process of reserving meeting spaces within a corporate environment. The system provides a user-friendly interface, developed using HTML, CSS, and JavaScript, to allow employees to search and book meeting rooms according to their specific requirements. The backend of Roomify, built in Java using JDBC and MySQL, manages all the core functionalities, including user management, room scheduling, meeting organization, and amenity management. Although the frontend and backend are currently not linked, this document outlines the design principles and architecture of the backend system, ensuring that it adheres to industrial coding standards and robust error handling practices. The project also includes specialized functionality to ensure that certain types of meetings automatically include mandatory amenities, enhancing the overall efficiency of the booking process.