

Project Java Web Development Introduction – BoxFit

BoxFit is a modern, web-based private social platform created exclusively for a dynamic boxing gym in Hamburg. The platform is designed to bring the gym community closer together by giving members a space to share their training experiences, post pictures and videos, and interact with one another in a secure, members-only environment. Through BoxFit, members can create posts, like and comment on each other's content, and follow fellow gym members to stay connected. It's a dedicated social space where everything shared is kept within the gym community, making it a safe and engaging way to celebrate progress, motivate others, and build lasting connections.

The platform transforms the gym experience into a connected online network, where training doesn't stop when you leave the gym, it continues through shared moments, support, and the energy of the BoxFit family.

Infrastructure

The BoxFit application runs on a ReactJS front-end that talks directly to a back-end powered by Appwrite. Appwrite manages authentication, databases, and storage, making sure data stays secure and reliable. On the front-end, React and React Query handle the UI, state management, and logic, ensuring that everything feels smooth and responsive. Together, this setup makes the platform easy to maintain and scalable, so both members and coaches can focus on what matters most — boxing and community.



BoxFit UML Diagram

The UML diagram below illustrates how the main components of the system connect and interact with each other.

