

ONLINE GYM MANAGEMENT SYSTEM

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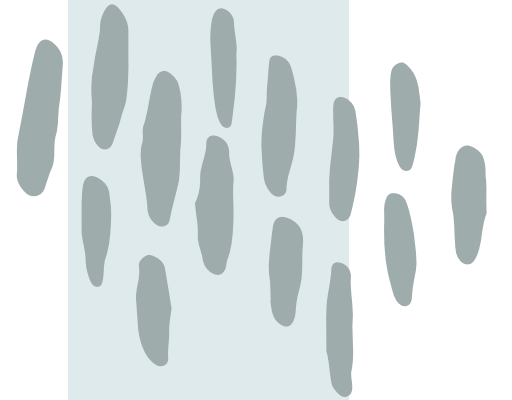


PROJECT OVERVIEW

The gym management system is a web-based application designed to manage the operations of a gym efficiently. Built using java spring boot,MySQL, and JSP, the system provides an easy-to-use interface for gym administrators to manage members, classes, and schedules. This application streamlines administrative tasks, improves communication between staff and members, and ensures a smooth operation of the gym's day-to-day activities.

FEATURES

- Member Management
- Slot scheduling and management
- Authentication and Authorization
- User Feedback



MODULES

ADMIN MODULES:

- Manage items
- Manage slots
- Manage booking
- Manage users
- Manage slot reports
- Review user feedback

MEMBER MODULES:

- View and book slots
- Cancel bookings
- Provide feedback on services and facilities

Functionalities

User and Admin:

- Register:** Users and admins can create new accounts.
- Login:** Users and admins can log in to the system.
- Slot Booking:** Users and admins can book available slots for gym sessions.
- Cancel Booking:** Users and admins can cancel previously booked slots.

Admin Only:

- Manage Slot:** Admins can create, update, and delete gym session slots.
- Manage Gym Items:** Admins can manage the gym equipment and items.
- Manage Users:** Admins can manage user accounts, including adding, updating, and removing users.

Feedback:

- Given by User:** Users can provide feedback on gym services and facilities.
- Viewed by Admin:** Admins can review user feedback.

TECH STACK

- Frontend:



- Backend:



- Database:



- Build Tool:



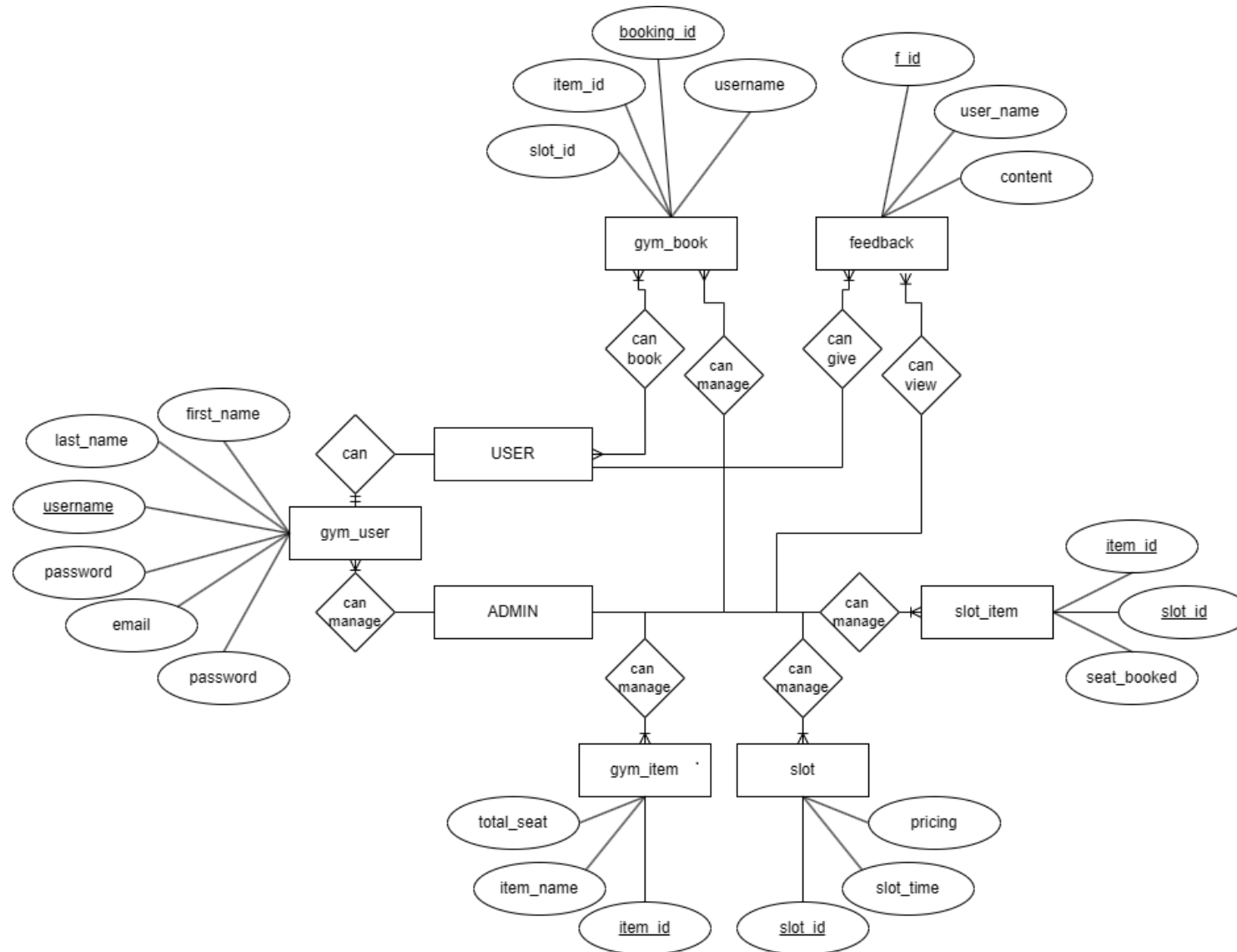
- Code Editor:



- Server:



ER DIAGRAM



FUTURE ENHANCEMENT

- Mobile Application Integration
- Advanced Analytics and Reporting
- AI-Powered Personalization
- Wearable Devices Integration
- Health and Fitness Tracking / Nutrition Tracking and Meal Planning
- Enhance Member Engagement



CONCLUSION

In conclusion, the gym management system using spring boot is a comprehensive solution that addresses the key challenges faced by gym administrators and members. It enhances operational efficiency, improves member engagement, and provides a solid foundation for future growth and innovation.

THANK
YOU

