ONLINE GYM MANAGEMENT SYSTEM

Team Members: Pooja Amanchi

Prachi Chhatrola

Divya Solanki

Guide Name: Suramya Biswas

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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
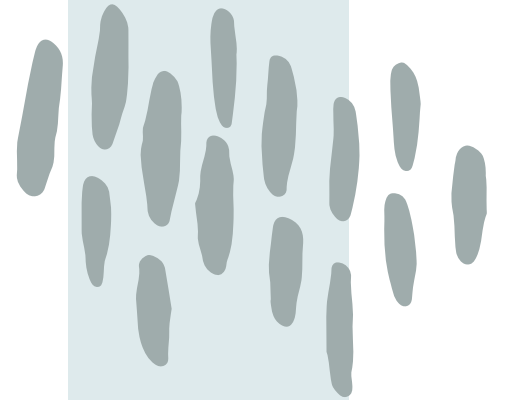
MODULES

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.

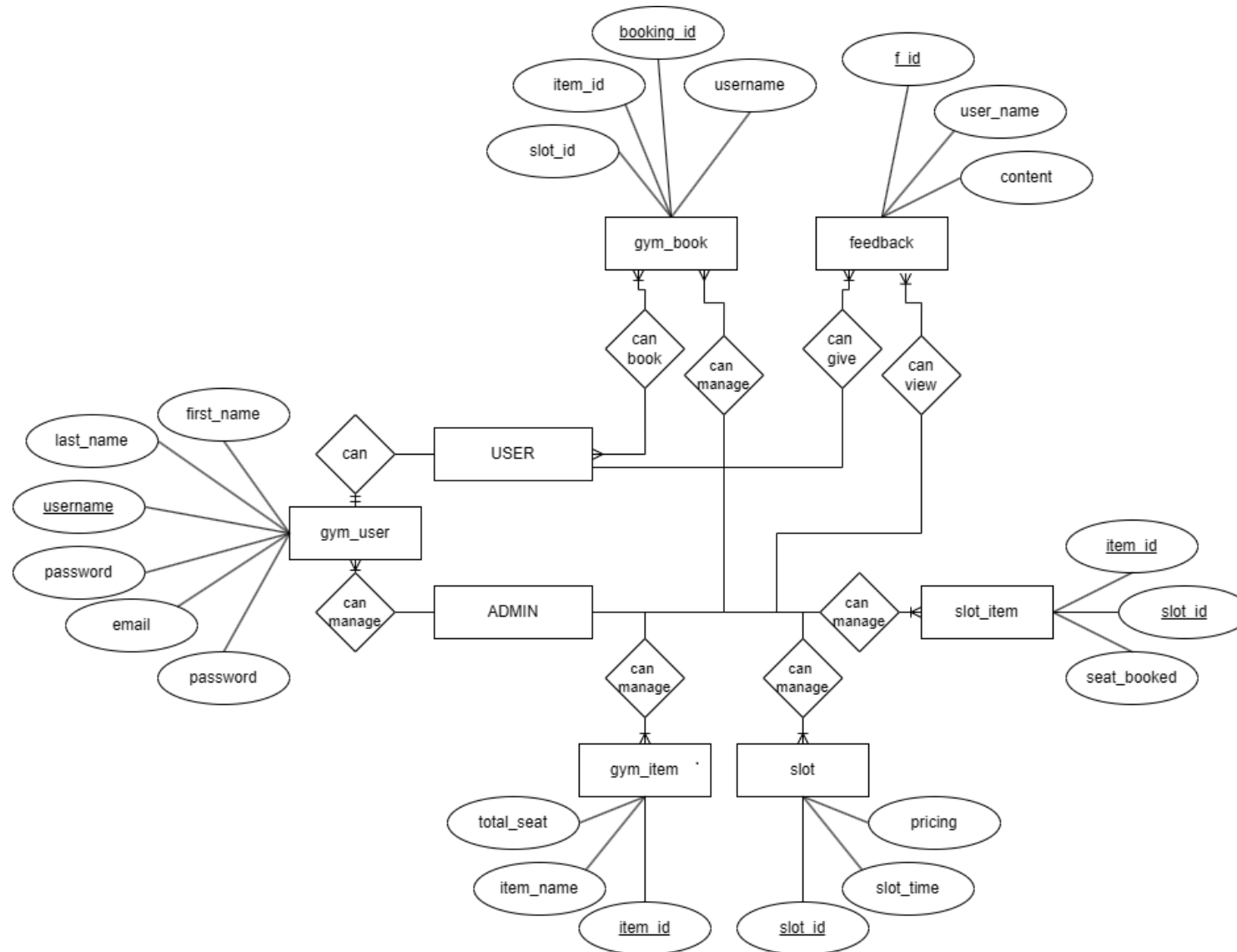# TECH STACK

- 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