Website Sequence Diagram (User & Admin)

User Admin Frontend (React App) Backend (API Server) Database

User Registration

User → Frontend: Register
Frontend → Backend: POST /api/register
Backend → Database: Save user data
Database → Backend: Success
Backend → Frontend: Registration success
Frontend → User: Confirmation

User Login

User → Frontend: Login (credentials)
Frontend → Backend: POST /api/login
Backend → Database: Validate user
Database → Backend: Valid user
Backend → Frontend: JWT Token
Frontend → User: Login success

User Request Flow

User → Frontend: Submit request
Frontend → Backend: POST /api/request
Backend → Database: Save request
Database → Backend: Saved
Backend → Frontend: Success response
Frontend → User: Request submitted

User View Status

User → Frontend: View request status
Frontend → Backend: GET /api/request/status
Backend → Database: Fetch request
Database → Backend: Status data
Backend → Frontend: Status response
Frontend → User: Show status

Admin Login

Admin → Frontend: Admin login
Frontend → Backend: POST /api/admin/login
Backend → Database: Validate admin
Database → Backend: Valid admin
Backend → Frontend: Admin JWT Token
Frontend → Admin: Login success

Admin Dashboard

Admin → Frontend: View dashboard
Frontend → Backend: GET /api/admin/dashboard
Backend → Database: Fetch statistics
Database → Backend: Dashboard data
Backend → Frontend: Dashboard response
Frontend → Admin: Display dashboard

Admin Approval

Admin → Frontend: Approve / Reject request
Frontend → Backend: PUT /api/admin/request
Backend → Database: Update request status
Database → Backend: Updated
Backend → Frontend: Success response
Frontend → Admin: Status updated

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