

FastX - API Endpoints Documentation

UserController

POST /api/users/register - Register new user
POST /api/users/login - Login with email and password
GET /api/users/{id} - Get user by ID (USER, ADMIN)
PUT /api/users/{id} - Update user (ADMIN)
DELETE /api/users/{id} - Delete user (ADMIN)
GET /api/users/getAllUsers - Get all users (ADMIN)
GET /api/users/role/{role} - Get users by role (ADMIN)
PUT /api/users/profile/{userId} - Update user profile (USER)
POST /api/users/forgot-password - Reset password

SeatController

POST /api/seats - Add new seat (ADMIN, BUS_OPERATOR)
PUT /api/seats/{seatId} - Update seat (ADMIN, BUS_OPERATOR)
DELETE /api/seats/{seatId} - Delete seat (ADMIN, BUS_OPERATOR)
GET /api/seats/{seatId} - Get seat by ID (ADMIN, BUS_OPERATOR)
GET /api/seats - Get all seats (ADMIN, BUS_OPERATOR)
PATCH /api/seats/{seatId}/status - Update seat status
GET /api/seats/{status}/{busId} - Get available seats by busId
GET /api/seats/available/byname/{busName} - Get available seats by bus name
GET /api/seats/bus/{busId} - Get seats by bus ID

RouteController

POST /api/routes - Add new route (ADMIN, BUS_OPERATOR)
PUT /api/routes/{id} - Update route (ADMIN, BUS_OPERATOR)
DELETE /api/routes/{id} - Delete route (ADMIN, BUS_OPERATOR)
GET /api/routes - Get all routes
GET /api/routes/{id} - Get route by ID
GET /api/routes/search?origin=...&destination=... - Search routes

PaymentController

POST /api/payments/{bookingId}?method=... - Make payment (USER)
GET /api/payments/{bookingId} - Get payment details (USER, ADMIN)

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LocationController

GET /api/locations/search?query=... - Search location strings (origin/destination)

CancellationController

POST /api/cancellations/{bookingId}?reason=... - Cancel booking (USER)

GET /api/cancellations/{bookingId} - Get cancellation info (USER, ADMIN)

BusController

POST /api/buses - Add bus (ADMIN, BUS_OPERATOR)

PUT /api/buses/{id} - Update bus (ADMIN, BUS_OPERATOR)

DELETE /api/buses/{id} - Delete bus (ADMIN, BUS_OPERATOR)

GET /api/buses - Get all buses

GET /api/buses/{id} - Get bus by ID

GET /api/buses/route?origin=...&destination=... - Get buses by route

GET /api/buses/amenities?amenities=A,B,... - Filter by amenities

GET /api/buses/route/{routeId} - Get buses by routeId

GET /api/buses/search/name?name=... - Search by bus name

GET /api/buses/search/type?type=... - Search by bus type

GET /api/buses/search/fare?minFare=...&maxFare=... - Filter by fare

GET /api/buses/search?... - Search with filters

BookingController

POST /api/bookings - Create booking (USER)

DELETE /api/bookings/{id} - Cancel booking (USER)

GET /api/bookings/{id} - Get booking by ID (ADMIN)

GET /api/bookings/user/{userId} - Get user bookings (USER, ADMIN)

GET /api/bookings/date?date=YYYY-MM-DD - Get bookings by date

GET /api/bookings/ticket/{ticketNumber} - Get booking by ticket

POST /api/bookings/notifications - Send notification to user

GET /api/bookings/user/{userId}/frequent-routes - Get frequent routes

GET /api/bookings/user/{userId}/summary - Get booking summary

GET /api/bookings - Get all bookings (ADMIN, BUS_OPERATOR)

GET /api/bookings/status?status=CONFIRMED - Get bookings by status

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AuthController

POST /api/auth/login - JWT authentication login (User/Operator/Admin)

AmenityController

POST /api/amenities - Add amenity (ADMIN)

PUT /api/amenities/{id} - Update amenity (ADMIN)

DELETE /api/amenities/{id} - Delete amenity (ADMIN)

GET /api/amenities - Get all amenities (ADMIN, USER)

GET /api/amenities/{id} - Get amenity by ID (ADMIN, USER)