

UserController API Endpoints

METHOD	ENDPOINT	PURPOSE	ACCESS
POST	/users/register	Register new user	Public
POST	/users/login	User login	Public
POST	/users/login/admin	Admin login	Public
POST	/users/login/operator	Operator login	Public
POST	/users/forgot-password?email=	Reset password email	Public
PUT	/users/update/{id}	Update user	USER, ADMIN
DELETE	/users/delete/{id}	Delete user	ADMIN
GET	/users/{id}	Get user by ID	USER, ADMIN
GET	/users/role/{role}	Get users by role	ADMIN
GET	/users/profile?userId=	View own profile	USER
GET	/users/all	Get all users	ADMIN
GET	/users/operators	Get all operators	ADMIN
DELETE	/users/operators/{id}	Delete operator	ADMIN

SeatController API Endpoints

METHOD	ENDPOINT	PURPOSE	ACCESS
GET	/seats/bus/{busId}	Get seats for a bus	ADMIN, OPERATOR
GET	/seats/{seatId}	Get seat by ID	ADMIN, OPERATOR
POST	/seats/add	Add new seat	ADMIN, OPERATOR
PUT	/seats/update/{seatId}	Update seat	ADMIN, OPERATOR
DELETE	/seats/delete/{seatId}	Delete seat	ADMIN, OPERATOR

RouteController API Endpoints

METHOD	ENDPOINT	PURPOSE	ACCESS
POST	/routes/create	Create new route	ADMIN, OPERATOR
GET	/routes/all	Get all routes	Public
GET	/routes/{id}	Get route by ID	Public
PUT	/routes/update/{id}	Update route	ADMIN, OPERATOR
DELETE	/routes/delete/{id}	Delete route	ADMIN, OPERATOR

PaymentController API Endpoints

METHOD	ENDPOINT	PURPOSE	ACCESS
POST	/payments/add	Make payment	PASSENGER
GET	/payments/{id}	Get payment by ID	USER, ADMIN
GET	/payments	Get all payments	ADMIN
GET	/payments/user/{userId}	Payments by user	USER, ADMIN
PUT	/payments/{id}	Update payment	ADMIN
PUT	/payments/refund/{id}	Refund payment	ADMIN

PassengerController API Endpoints

METHOD	ENDPOINT	PURPOSE	ACCESS
POST	/passengers/add	Add passenger	USER
GET	/passengers/{id}	Get passenger by ID	USER, ADMIN
GET	/passengers/booking/{bookingId}	Get passengers by booking	USER, ADMIN
PUT	/passengers/update/{id}	Update passenger	USER
DELETE	/passengers/delete/{id}	Delete passenger	USER

BusController API Endpoints

METHOD	ENDPOINT	PURPOSE	ACCESS
POST	/buses/add	Add new bus	OPERATOR
GET	/buses/all	Get all buses	Public
GET	/buses/getbusbyid/{id}	Get bus by ID	Public
GET	/buses/route/{routeId}	Get buses by route ID	Public
GET	/buses/route/{origin}/{destination}/{date}	Search buses by route & date	Public
POST	/buses/amenities	Filter by amenities	Public
GET	/buses/search?origin=X&destination=Y&date=Z	Search buses (query)	Public
DELETE	/buses/delete/{id}	Delete bus	OPERATOR
PUT	/buses/update/{id}	Update bus	OPERATOR

BookingController API Endpoints

METHOD	ENDPOINT	PURPOSE	ACCESS
POST	/bookings/add	Book ticket	USER

GET	/bookings/getbookingbyuserid/{userId}	Get user bookings	USER
GET	/bookings/getbookingbybookingid/{bookingId}	Get booking by ID	USER
DELETE	/bookings/cancel/{bookingId}	Cancel booking	USER
GET	/bookings	Get all bookings	ADMIN
GET	/bookings/getbyoperator/{operatorId}	Get bookings by operator	OPERATOR