**STARTUPLAB - BLA BLA PRO MAX APIS**

### **1. User Management APIs**

Handle user registration, authentication, and profile management.

| **HTTP Method** | **Endpoint** | **Description** |
| --- | --- | --- |
| POST | /api/users/register | Register a new user. |
| POST | /api/users/login | Authenticate a user and issue a JWT token. |
| GET | /api/users/{userId} | Fetch user profile details. |
| PUT | /api/users/{userId} | Update user profile information. |
| DELETE | /api/users/{userId} | Deactivate or delete a user account. |

### **2. Ride Management APIs**

Create, manage, and search rides.

| **HTTP Method** | **Endpoint** | **Description** |
| --- | --- | --- |
| POST | /api/rides | Create a new ride (by a driver). |
| GET | /api/rides/{rideId} | Get details of a specific ride. |
| GET | /api/rides | Search rides by origin, destination, date, and time. |
| PUT | /api/rides/{rideId} | Update ride details (e.g., price, seats). |
| DELETE | /api/rides/{rideId} | Cancel a ride. |

### **3. Booking Management APIs**

Handle booking requests and ride participation.

| **HTTP Method** | **Endpoint** | **Description** |
| --- | --- | --- |
| POST | /api/bookings | Book a ride. |
| GET | /api/bookings/{bookingId} | Get details of a specific booking. |
| GET | /api/bookings | List bookings for a specific user or ride. |
| PUT | /api/bookings/{bookingId} | Update booking status (e.g., cancel, confirm). |
| DELETE | /api/bookings/{bookingId} | Cancel a booking. |

### **4. Payment Management APIs**

Integrate payments for ride bookings.

| **HTTP Method** | **Endpoint** | **Description** |
| --- | --- | --- |
| POST | /api/payments | Initiate a payment for a booking. |
| GET | /api/payments/{paymentId} | Get payment details. |
| POST | /api/payments/refund | Request a refund for a booking. |

### **5. Driver Management APIs**

Specific to drivers managing their rides.

| **HTTP Method** | **Endpoint** | **Description** |
| --- | --- | --- |
| GET | /api/drivers/rides | List all rides created by the driver. |
| PUT | /api/drivers/rides/{rideId} | Update ride details (e.g., change schedule). |
| GET | /api/drivers/earnings | Fetch earnings for the driver. |

### **6. Admin Management APIs**

For administrative control and monitoring.

| **HTTP Method** | **Endpoint** | **Description** |
| --- | --- | --- |
| GET | /api/admin/users | List all users. |
| GET | /api/admin/rides | List all rides. |
| GET | /api/admin/bookings | List all bookings. |
| DELETE | /api/admin/users/{userId} | Remove a user. |
| DELETE | /api/admin/rides/{rideId} | Remove a ride. |

### **7. Notification Management APIs**

For managing notifications to users.

| **HTTP Method** | **Endpoint** | **Description** |
| --- | --- | --- |
| POST | /api/notifications | Send a notification to a user. |
| GET | /api/notifications | List notifications for a user. |

### **8. Review and Feedback APIs**

Allow users to rate and review rides and drivers.

| **HTTP Method** | **Endpoint** | **Description** |
| --- | --- | --- |
| POST | /api/reviews | Submit a review for a ride or driver. |
| GET | /api/reviews/{rideId} | Fetch reviews for a specific ride. |
| GET | /api/reviews/driver/{driverId} | Fetch reviews for a specific driver. |

### **9. Miscellaneous APIs**

Additional functionalities.

| **HTTP Method** | **Endpoint** | **Description** |
| --- | --- | --- |
| GET | /api/health | Check the health of the application. |
| GET | /api/version | Fetch the current version of the application. |
| GET | /api/config | Fetch app configuration (e.g., limits, fees). |

Let me know if you'd like a detailed implementation for any of these APIs!