

# Ridewave

## API Documentation

### Index

#### *User Profiles*

- GET /users
- POST/users
  - Signin
  - Forget Password
  - Signup

#### *Notifications*

- GET/ Notifications

#### *Browse Rides*

- GET / pooling list

#### *Post Ride*

- POST/ Ride

#### *CAR*

- POST /Car

## **User Profile**

### **GET /users**

**Purpose:** Retrieve the user's profile information.

**Endpoint :** /api/userprofile

**Request:**

No additional parameters required.

**Response**

STATUS CODE - 200: OK

RESPONSE MODEL - application/json

```
{  
  "password": "string", "name": "string",  
  "email": "string",  
  "phone": "string",  
  "Erp": "number",  
  "Gender": "string",  
  "Program": "string",  
}
```

### **POST/users**

- Signing in

**Purpose:** Retrieve the user's profile information and sign in.

**Endpoint:** /api/signin

**Request:**

```
{ "email": "user@khi.iba.edu.pk", "password": "Test123!" }
```

**Response:**

Success (Status Code: 200)

```
{ "message": "Authentication successful", "user": { "email": "user@khi.iba.edu.pk" }
```

```
}  
}
```

Failure (Status Code: 4xx or 5xx)

```
{ "error": true,  
"message": "Authentication failed. User not found." }
```

- Forgot Password

**Endpoint:** /api/forgotpassword

**Request:**

```
{ "email": "user@khi.iba.edu.pk" } Response:
```

Success (Status Code: 200)

```
{  
"message": "Password reset email sent successfully. Check your inbox."  
}
```

Failure (Status Code: 4xx or 5xx)

```
{  
"error": true,  
"message": "Failed to send password reset email. User not found."  
}
```

- Signing up:

**Endpoint:** /api/signup

```
{  
"name": "John Doe",  
"email": "user@khi.iba.edu.pk", "password": "Test123!", "confirmPassword": "Test123!",
```

"phone": "+1234567890",

"gender": "Male",

"erp": "12345"

}

#### Response:

Success (Status Code: 200)

```
{ "status": "Success",  
  "message": "User registration successful",  
}
```

HTTP Status: 400 Bad Request

Response Body:

```
{ "status": "Error", "message": "Invalid input. Please fill in all the fields correctly." }  
{  
  "status": "Error",  
  "message": "Use your @khi.iba.edu.pk email."  
}
```

HTTP Status: 500 Internal Server Error Response Body:

```
{  
  "status": "Error",  
  "message": "An unexpected error occurred. Please try again later."  
}
```

## **Notifications**

- Get Rides Confirmed by the Current User:

Endpoint: /api/confirmed-rides

Method: GET

Description: Retrieve rides confirmed by the current user.

Response:

Success (HTTP 200 OK):

```
{  
  "status": "success",  
  "message": "Confirmed rides retrieved successfully.",  
  "data": [  
    {  
      "rideId": "ride_id_1",  
      "endLocation": "Askari 4",  
      "accepted": 2  
    }  
  ]  
}
```

```

    },
    {
      "rideId": "ride_id_2",
      "endLocation": "IBA city campus",
      "Accepted": 1
    }
  ]
}

```

## **Browse Rides**

**Endpoint:** Get / browserides

**Method:** GET

**Description:** Retrieves a list of available rides posted by other users.

**Request Parameters:** user\_id (string): User ID of the current authenticated user.

**Success Response:** HTTP Status: 200 OK

**Response Body:**

```

[ { "id": "123456",
  "start_location": "Askari 4",
  "end_location": "IBA city campus ",
  "time": "12:30 PM",
  "gender_preference": "None",
  "price": 50,
  "ac_option": "AC" },
  { "id": "789012",
  "start_location": "Askari 3",
  "end_location": "IBA Main Campus",
  "time": "03:00 PM",
  "gender_preference": "Male",
  "price": 30, "ac_option": "Non-AC" }, // ...more available rides ]

```

### **Error Responses:**

HTTP Status: 401 Unauthorized Response Body

```
{ "error": "User not authenticated." }
```

HTTP Status: 500 Internal Server Error Response Body:

```
{ "error": "Error fetching available rides." }
```

- Confirm Ride Selection

**Endpoint:** /rides/confirm

**Method:** POST Description: Confirms the selection of a ride by the current user.

**Request Body:**

```
{ "ride_id": "123456" }
```

**Success Response:** HTTP Status: 200 OK Response Body:

```
{ "status": "Success", "message": "Ride selection confirmed successfully." }
```

## **Post Ride**

**Endpoint** :/api/stride

**Request:**

**Request Body:** application/json

```
{  
  "startLocation": "IBA MAIN CAMPUS",  
  "endLocation": "2 TALWAR",  
  "Time": "10:00 AM",  
  "Genderpreference": "Male",  
  "price": 10.0,  
  "ACOption": "AC"  
}
```

**Response:**

Status Code: 201 (Created)

Response Model: application/json

Response Body:

```
{  
  "message": "Ride posted successfully."  
}
```

**CAR**

POST /Car

**Request:**

**Request Body:** application/json

```
{
```

"LicensePlate": "string", "carModel": "string", "seatsCapacity": "int", "AcOperation": "string",

**Response:**

Status Code: 200 (OK)

Response Model: application/json

```
{  
  "LicensePlate": "AX-12",           // String  
  "carModel": "2015",               // String  
  "seatsCapacity": "4",             // Integer  
  "AcOperation": "Yes",             // String  
}
```