# Uber Server APIs

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Uber Server has been developed in the ASP.NET Core API project consist of various APIs using JWT Authentication, multiple authorization and Repository Pattern. There are 3 types of user roles. APIs can be divided by their authorization scopes as mentioned below:

## Without Authentication:

1. Admin login

Type: POST

URL: <https://localhost:44383/api/Auth/login/admin>

Request body:

{

"contactnumber":"7990349011",

"Password":"Secret@123"

}

1. Admin signup

Type: POST

URL: <https://localhost:44383/api/Auth/register/admin>

Request body:

{

"FirstName":"Admin",

"LastName":"1",

"Email": "admin@gmail.com",

"ContactNumber": "7990349011",

"Password": "Secret@123"

}

1. Rider login

Type: POST

URL: <https://localhost:44383/api/Auth/login/rider>

Request body:

{

"contactnumber":"7990349011",

"Password":"Secret@123"

}

1. Rider signup

Type: POST

URL: [https://localhost:44383/api/Auth/register/rider](https://localhost:44383/api/Auth/register/rider%20)

Request body:

{

"FirstName":"XYZ",

"LastName":"abc",

"Email": "xyz@gmail.com",

"ContactNumber": "7990349011",

"Password": "Secret@123"

}

1. Driver login

Type: POST

URL: <https://localhost:44383/api/Auth/login/driver>

Request body:

{

"contactnumber":"7990349011",

"Password":"Secret@123"

}

1. Driver signup

Type: POST

URL: [https://localhost:44383/api/Auth/register/driver](https://localhost:44383/api/Auth/register/driver%20)

Request body:

{

"FirstName":"XYZ",

"LastName":"abc",

"Email": "xyz@gmail.com",

"ContactNumber": "7990349011",

"Password": "Secret@123"

}

1. Confirm OTP

Type: GET

URL: <https://localhost:44383/api/Auth/ContactNumber/Confirm?contact=7990349033&otp=000000>

1. Confirm Email:

Type: GET

URL: <https://localhost:44383/api/Auth/Confirm?userId=1f18d380-8fb4-4e45-9242-5e14e7ef91e8&token=CfDJ8IVnfD9Z0CJOgco1BzLnl3IHWix1vm0c/4qZV7kCYBQVwg0ukNVxttotbuuJ9aCyOXGAf7HyCf6yZKGNuYD9fAtu7D2IlklgAplmIdFrDox7pw6xjWOkPsU+SfPs6d5JdDUCXbNEyBhXMypcCOEZnCL+KN0O2CEZ6dhdeBveo/rF0eAQ5VMCyCye4RdBlHqS95tYOnzOaYqfN3OnDRpRH0gyiOac2AR5fh61WhwC08ACde6m4sy3vNbn1IHvyNwxgw==>

## Accessible by All users:

1. Get Locations:

Type: GET

URL: <https://localhost:44383/api/locations>

1. Set Locations:

Type: POST

URL: <https://localhost:44383/api/locations>

Request Body:

{

"locationName": "PDM college, Rajkot, Gujarat",

"longitude": 71.6279837718273,

"latitude": 21.18899005518514

}

1. Get Ride Types:

Type: GET

URL: <https://localhost:44383/api/ridetypes>

1. Get all trips:

Type: GET

URL: [https://localhost:44383/api/Auth/rider/{RiderId}/trips](https://localhost:44383/api/Auth/rider/%7bRiderId%7d/trips)

1. Get a trip:

Type: GET

URL: [https://localhost:44383/api/Auth/rider/{RiderId}/trips/{TripId}](https://localhost:44383/api/Auth/rider/%7bRiderId%7d/trips/%7bTripId%7d)

## Accessible by Riders:

1. Get Profile:

Type: GET

URL: [https://localhost:44383/api/rider/{RiderId}/profile](https://localhost:44383/api/rider/%7bRiderId%7d/profile)

1. Update Profile:

Type: PUT

URL: [https://localhost:44383/api/rider/{RiderId}/profile](https://localhost:44383/api/rider/%7bRiderId%7d/profile)

Request Body:

{

"riderId": 26,

"firstName": "Milit",

"lastName": "Panchasara",

"email": "spsp6116@gmail.com",

"inviteCode": "7990349033",

"contactNumber": 7990349033,

"country": null

}

1. Send verification email:

Type: GET

URL: [https://localhost:44383/api/Auth/rider/sendEmail/{RiderId}](https://localhost:44383/api/Auth/rider/sendEmail/%7bRiderId%7d)

1. Set new trip:

Type: POST

URL: [https://localhost:44383/api/Auth/rider/{RiderId}/trips](https://localhost:44383/api/Auth/rider/%7bRiderId%7d/trips)

Request Body:

{

"DestinationId": 1,

"SourceId": 6,

"RideTypeId": 3

}

1. Start trip:

Type: PUT

URL: [https://localhost:44383/api/Auth/rider/{RiderId}/trips/{TripId}](https://localhost:44383/api/Auth/rider/%7bRiderId%7d/trips/%7bTripId%7d)

Request Body:

{

"TripId": {{tripId}},

"RiderId": 26,

"Action": "TripStarted"

}

1. Cancel trip:

Type: PUT

URL: [https://localhost:44383/api/Auth/rider/{RiderId}/trips/{TripId}](https://localhost:44383/api/Auth/rider/%7bRiderId%7d/trips/%7bTripId%7d)

Request Body:

{

"TripId": {{tripId}},

"RiderId": 26,

"Action": "TripCancelled",

"PaymentMethod": "Cash",

"CancelledBy": "Rider"

}

1. Complete trip:

Type: PUT

URL: [https://localhost:44383/api/Auth/rider/{RiderId}/trips/{TripId}](https://localhost:44383/api/Auth/rider/%7bRiderId%7d/trips/%7bTripId%7d)

Request Body:

{

"TripId": {{tripId}},

"RiderId": 26,

"Action": "TripCompleted",

"PaymentMethod": "Cash"

}

1. Get all ratings given:

Type: GET

URL: [https://localhost:44383/api/rider/{RiderId}/ratings/](https://localhost:44383/api/rider/26/ratings/)

1. Get a rating given:

Type: GET

URL: [https://localhost:44383/api/rider/{RiderId}/ratings/{TripId}](https://localhost:44383/api/rider/%7bRiderId%7d/ratings/%7bTripId%7d)

1. Set rating:

Type: POST

URL: [https://localhost:44383/api/rider/{RiderId}/ratings/](https://localhost:44383/api/rider/26/ratings/)

Request Body:

{

"RiderId":26,

"DriverId":5,

"TripId": 19,

"Comments": "Good Comfort.",

"MediaAttached":"",

"RatingOfRider": 4

}

## Accessible by Admins:

1. Block/Unblock Riders:

Type: POST

URL: <https://localhost:44383/api/admins/2/rider/26>

Request Body:

{

"action": "unblock"

}

1. Set ride types:

Type: POST

URL: <https://localhost:44383/api/ridetypes>

Request Body:

{

"rideName": "UberNew",

"pricePerKm": 8,

"seatingCapacity": 3

}

1. Update ride types:

Type: PUT

URL: [https://localhost:44383/api/ridetypes/{RideTypeId}](https://localhost:44383/api/ridetypes/%7bRideTypeId%7d)

Request Body:

{

"rideName": "UberNew",

"pricePerKm": 8,

"seatingCapacity": 3

}

1. Delete ride types:

Type: DELETE

URL: [https://localhost:44383/api/ridetypes/{RideTypeId}](https://localhost:44383/api/ridetypes/%7bRideTypeId%7d)

*Note: Bearer token need to be passed in headers of the requests with authentication. Token will be generated by Registering or Logging In the user which will be expired in 24 hours.*