

Backend Documentation for Logistics App

Logistics Driver App – Backend Specification (v1)

Tech Stack: Spring Boot, JPA/Hibernate, MySQL

Clients: Driver Android App

Authentication: OTP → JWT

Base URL: /api/v1

1. API Documentation

Module: Authentication

1.1 Request OTP

Description

Sends an OTP to the user's phone number to start the login process.

Endpoint

Method: POST

URL: /api/v1/auth/otp/request

table URL: <http://43.205.235.73:8080/api/v1/auth/otp/request>

Authentication: Not Required

Content-Type: application/json

Request JSON

```
1 {  
2   "countryCode": "+91",  
3   "phoneNumber": "{{phoneNumber}}"  
4 }
```

Success Response – 200 OK

```
1 {  
2   "success": true,  
3   "data": {  
4     "message": "OTP sent successfully."  
5   }  
6 }
```

Notes

- First step of authentication.
- OTP is sent via SMS to the given phone number.

Error Response – 500 Internal Server Error

```
1 {  
2   "success": false,  
3   "message": "Service is unavailable.",  
4   "errorCode": "SERVICE_UNAVAILABLE"  
5 }
```

1.2 Verify OTP

Description

Verifies the OTP sent to the user's phone number. On success, returns a JWT token along with onboarding status and step.

Endpoint

Method: POST

URL: /api/v1/auth/otp/verify

table URL: http://43.205.235.73:8080/api/v1/auth/otp/verify

Authentication: Not Required

Content-Type: application/json

Request JSON

```
1 {  
2   "countryCode": "+91",  
3   "phoneNumber": "{{phoneNumber}}",  
4   "otp": "1234",  
5   "preferredLanguageCode": "EN"  
6 }
```

Success Response – 200 OK

```
1 {  
2   "success": true,  
3   "data": {  
4     "token": "jwt-token",  
5     "onboardingStatus": "IN_PROGRESS",  
6     "onboardingStep": "OWNER"  
7   }  
8 }
```

Notes

- The returned JWT must be sent as **Authorization: Bearer <token>** for protected APIs.
- OTP is single-use and time-limited.
- **preferredLanguageCode** sets or confirms the user's language (EN, TA, HI).

Error Response – 500 Internal Server Error

```
1 {  
2   "success": false,  
3   "message": "Service is unavailable.",  
4   "errorCode": "SERVICE_UNAVAILABLE"  
5 }
```

1.3 Logout

Description

Logs out the current user by revoking the active JWT token.

Endpoint

Method: POST

URL: /api/v1/auth/logout

table URL: http://43.205.235.73:8080/api/v1/auth/logout

Authentication: Required (Bearer Token)

Request JSON

No body.

Success Response – 200 OK

```
1 {  
2     "success": true,  
3     "message": "Logged out successfully."  
4 }
```

Notes

- The same token cannot be used again after logout.

Error Response – 500 Internal Server Error

```
1 {  
2     "success": false,  
3     "message": "Service is unavailable.",  
4     "errorCode": "SERVICE_UNAVAILABLE"  
5 }
```

Module: App State

2.1 Get App State

Description

Indicates which screen the app should open next based on the user's current onboarding progress (Owner, Vehicle, or Driver).

Endpoint

Method: GET

URL: /api/v1/app/state

table URL: <http://43.205.235.73:8080/api/v1/app/state>

Authentication: Required (Bearer Token)

Request JSON

No body.

Success Response – 200 OK

```
1 {  
2     "success": true,  
3     "data": {  
4         "onboardingStatus": "IN_PROGRESS",  
5         "driverStatus": "OFFLINE",  
6         "nextScreen": "owner_details",  
7         "preferredLanguage": "EN"  
8     }  
9 }
```

Error Response – 500 Internal Server Error

```
1 {  
2     "success": false,  
3     "message": "Service is unavailable.",  
4     "errorCode": "SERVICE_UNAVAILABLE"  
5 }
```

Module: User Preferences

3.1 Update Preferred Language

Description

Updates the authenticated user's preferred language.

Endpoint

Method: POST

URL: /api/v1/users/language

table URL: http://43.205.235.73:8080/api/v1/users/language

Authentication: Required (Bearer Token)

Request JSON

```
1 {  
2   "phoneNumber": "{{phoneNumber}}",  
3   "preferredLanguage": "TA"  
4 }
```

Enum:

- Updates the user's preferred language in their profile.
- Accepted language enum values (case-sensitive):**
 - EN → English
 - TA → Tamil
 - HL → Hindi

Success Response – 200 OK

```
1 {  
2   "success": true,  
3   "data": {  
4     "success": true,  
5     "preferredLanguage": "TA"  
6   }  
7 }
```

Notes

- Phone number must match the logged-in user.

Error Response – 500 Internal Server Error

```
1 {  
2   "success": false,  
3   "message": "Service is unavailable.",  
4   "errorCode": "SERVICE_UNAVAILABLE"  
5 }
```

Module: Onboarding – Owner

4.1 Save Owner

Description

Saves or updates vehicle owner details (Onboarding Step 1).

Endpoint

Method: POST

URL: /api/v1/onboarding/owner

table URL: http://43.205.235.73:8080/api/v1/onboarding/owner

Authentication: Required (Bearer Token)

Request JSON

```
1 {  
2   "name": "Owner Name",  
3   "ownerSelfieUrl": "url",
```

```
4   "ownerAdharUrl": "url",
5   "ownerPanUrl": "url"
6 }
```

Success Response – 200 OK

```
1 {
2   "success": true,
3   "data": {
4     "id": 1,
5     "name": "Owner Name",
6     "ownerSelfieDocumentId": 1,
7     "ownerAdharDocumentId": 2,
8     "ownerPanDocumentId": 3,
9     "createdAt": "2026-02-10T15:02:50.882311Z",
10    "updatedAt": "2026-02-10T15:03:49.000980100Z"
11  }
12 }
```

Error Response – 500 Internal Server Error

```
1 {
2   "success": false,
3   "message": "Service is unavailable.",
4   "errorCode": "SERVICE_UNAVAILABLE"
5 }
```

4.2 Get Owner

Description

Returns saved owner details for the authenticated user.

Endpoint

Method: GET

URL: /api/v1/onboarding/owner

table URL: <http://43.205.235.73:8080/api/v1/onboarding/owner>

Authentication: Required (Bearer Token)

Request JSON

No body.

Success Response – 200 OK

```
1 {
2   "success": true,
3   "data": {
4     "id": 1,
5     "name": "Owner Name",
6     "ownerSelfieDocumentId": 1,
7     "ownerAdharDocumentId": 2,
8     "ownerPanDocumentId": 3,
9     "createdAt": "2026-02-10T15:02:50.882311Z",
10    "updatedAt": "2026-02-10T15:03:49.000980100Z"
11  }
12 }
```

Error Response – 500 Internal Server Error

```
1 {
2   "success": false,
3   "message": "Service is unavailable.",
4   "errorCode": "SERVICE_UNAVAILABLE"
5 }
```

Module: Onboarding – Vehicle

5.1 Save Vehicle

Description

Saves or updates vehicle details (Onboarding Step 2).

Endpoint

Method: POST

URL: /api/v1/onboarding/vehicle

table URL: http://43.205.235.73:8080/api/v1/onboarding/vehicle

Authentication: Required (Bearer Token)

Request JSON

```
1  {
2    "registrationNumber": "TN23AB1234",
3    "vehicleType": "TRUCK",
4    "bodyType": "OPEN",
5    "bodySpec": "EIGHT_FT_1_5_TON",
6    "rcUrl": "url",
7    "insuranceUrl": "url",
8    "pucUrl": "url"
9 }
```

Description (Important for Frontend)

1 Vehicle Type (vehicleType)

- **Enum value must be sent to backend**
- Frontend may display localized labels using language selection

Allowed enum values:

- TRUCK
- MINI_TRUCK
- THREE_WHEELER
- PICKUP

Display names by language:

Enum Value	EN	TA	HI
TRUCK	Truck	டிரக்	ட்ரக
MINI_TRUCK	Mini Truck	மினி டிரக்	மினி ட்ரக
THREE_WHEELER	Three Wheeler	மூன்று சக்கர வாகனம்	தீன் பகியா
PICKUP	Pickup	பிக்கப்	பிக்அப்

Body Type (bodyType)

- Defines the vehicle body structure

Allowed enum values:

- OPEN
- CLOSED
- SEMI_OPEN

Display names by language:

Enum Value	EN	TA	HI
OPEN	Open	திறந்த	खुला
CLOSED	Closed	மூடிய	बंद
SEMI_OPEN	Semi Open	அரை திறந்த	अर्ध खुला

3 Body Specification (bodySpec)

- Defines vehicle size and load capacity
- Stored as enum name in database

Allowed enum values:

- EIGHT_FT_1_5_TON
- FOURTEEN_FT_3_5_TON
- SEVENTEEN_FT_4_5_TON
- NINETEEN_FT_6_TON

Display names by language:

Enum Value	EN	TA	HI
EIGHT_FT_1_5_TON	8 ft / 1.5 Ton	8 அடி / 1.5 டன்	8 फीट / 1.5 टन
FOURTEEN_FT_3_5_TON	14 ft / 3.5 Ton	14 அடி / 3.5 டன்	14 फीट / 3.5 टन
SEVENTEEN_FT_4_5_TON	17 ft / 4.5 Ton	17 அடி / 4.5 டன்	17 फीट / 4.5 टन
NINETEEN_FT_6_TON	19 ft / 6 Ton	19 அடி / 6 டன்	19 फीट / 6 टन

Success Response – 200 OK

```
1  {
2      "success": true,
3      "data": {
4          "id": 1,
5          "registrationNumber": "TN23AB1234",
6          "city": "Vellore",
7          "vehicleType": "Truck",
8          "bodyType": "Open",
9          "bodySpec": "8 ft / 1.5 Ton",
10         "rcDocumentId": 4,
11         "createdAt": "2026-02-10T15:06:20.790678900Z",
12         "updatedAt": "2026-02-10T15:06:20.790678900Z"
13     }
14 }
```

Error Response – 500 Internal Server Error

```
1  {
2      "success": false,
3      "message": "Service is unavailable.",
4      "errorCode": "SERVICE_UNAVAILABLE"
5  }
```

5.2 Get Vehicle

Description

Returns saved vehicle details.

Endpoint

Method: GET

URL: /api/v1/onboarding/vehicle

Table URL: http://43.205.235.73:8080//api/v1/onboarding/vehicle

Authentication: Required (Bearer Token)

Request JSON

No body.

Success Response – 200 OK

```
1 {  
2   "success": true,  
3   "data": {  
4     "id": 1,  
5     "registrationNumber": "TN23AB1234",  
6     "city": "Vellore",  
7     "vehicleType": "Truck",  
8     "bodyType": "Open",  
9     "bodySpec": "8 ft / 1.5 Ton",  
10    "rcDocumentId": 4,  
11    "createdAt": "2026-02-10T15:06:20.790679Z",  
12    "updatedAt": "2026-02-10T15:06:20.829394Z"  
13  }  
14 }
```

Error Response – 500 Internal Server Error

```
1 {  
2   "success": false,  
3   "message": "Service is unavailable.",  
4   "errorCode": "SERVICE_UNAVAILABLE"  
5 }
```

Module: Onboarding – Driver

6.1 Save Driver

Description

Saves or updates driver details (Onboarding Step 3).

Endpoint

Method: POST

URL: /api/v1/onboarding/driver

Table URL: http://43.205.235.73:8080/api/v1/onboarding/driver

Authentication: Required (Bearer Token)

Request JSON

```
1 {  
2   "isSelfDriving":false,  
3   "name": "Driver Name",  
4   "phoneNumber": "9876543210",  
5   "driverLicenseUrl": "url"  
6 }
```

Description (Conditional Logic)

- `isSelfDriving` indicates whether the vehicle owner is driving the vehicle themselves.

Validation Rules

- If `isSelfDriving = true`
 - `name` is NOT required
 - `phoneNumber` is NOT required
 - Driver details will be auto-mapped to the owner.
- If `isSelfDriving = false`
 - `name` is REQUIRED
 - `phoneNumber` is REQUIRED
 - These details represent the assigned driver

Success Response – 200 OK

```
1  {
2      "success": true,
3      "data": {
4          "id": 1,
5          "name": "Driver Name",
6          "phoneNumber": "9922333446",
7          "isSelfDriving": false,
8          "driverLicenseDocumentId": 5,
9          "onboardingStep": "SUBMITTED",
10         "verificationStatus": "IN_PROGRESS"
11     }
12 }
```

Error Response – 500 Internal Server Error

```
1  {
2      "success": false,
3      "message": "Service is unavailable.",
4      "errorCode": "SERVICE_UNAVAILABLE"
5 }
```

6.2 Get Driver

Description

Returns saved driver details.

Endpoint

Method: GET

URL: `/api/v1/onboarding/driver`

table URL: `http://43.205.235.73:8080/api/v1/onboarding/driver`

Authentication: Required (Bearer Token)

Request JSON

No body.

Success Response – 200 OK

```
1  {
2      "success": true,
3      "data": {
4          "id": 1,
5          "name": "Driver Name",
6          "phoneNumber": "9876543210",
7          "verificationStatus": "IN_PROGRESS"
8      }
9 }
```

Error Response – 500 Internal Server Error

```
1  {
2      "success": false,
3      "message": "Service is unavailable.",
4      "errorCode": "SERVICE_UNAVAILABLE"
5 }
```

Module: Meta

7.1 Get Vehicle Form Options

Description

Returns dropdown options for vehicle onboarding forms, localized by user language.

Endpoint

Method: GET

URL: /api/v1/meta/vehicle-form-options

table URL: <http://43.205.235.73:8080/api/v1/meta/vehicle-form-options>

Authentication: Required (Bearer Token)

Request JSON

No body.

Success Response – 200 OK

```
1  {
2      "success": true,
3      "data": {
4          "vehicleTypes": [
5              {
6                  "id": 1,
7                  "code": "TRUCK",
8                  "displayName": "ஷர்க்"
9              },
10             {
11                 "id": 2,
12                 "code": "MINI_TRUCK",
13                 "displayName": "மினி ஷர்க்"
14             },
15             {
16                 "id": 3,
17                 "code": "THREE_WHEELER",
18                 "displayName": "மூன்று சக்கர வாகனம்"
19             },
20             {
21                 "id": 4,
22                 "code": "PICKUP",
23                 "displayName": "பிக்கப்"
24             }
25         ],
26         "bodyTypes": [
27             {
28                 "id": 1,
29                 "code": "OPEN",
30                 "displayName": "திறந்த"
31             },
32             {
33                 "id": 2,
34                 "code": "CLOSED",
35                 "displayName": "மூடிய"
36             },
37             {
38                 "id": 3,
39                 "code": "SEMI_OPEN",
40                 "displayName": "அலை திறந்த"
41             }
42         ],
43         "bodySpecs": [
44             {
45                 "id": 1,
46                 "code": "EIGHT_FT_1_5_TON",
47                 "displayName": "8 அடி / 1.5 டன்"
48             }
49         ]
50     }
51 }
```

```
48     },
49     {
50         "id": 2,
51         "code": "FOURTEEN_FT_3_5_TON",
52         "displayName": "14 അം / 3.5 ലെറ്റ്"
53     },
54     {
55         "id": 3,
56         "code": "SEVENTEEN_FT_4_5_TON",
57         "displayName": "17 അം / 4.5 ലെറ്റ്"
58     },
59     {
60         "id": 4,
61         "code": "NINETEEN_FT_6_TON",
62         "displayName": "19 അം / 6 ലെറ്റ്"
63     }
64 ]
65 }
66 }
```

Error Response – 500 Internal Server Error

```
1  {
2      "success": false,
3      "message": "Service is unavailable.",
4      "errorCode": "SERVICE_UNAVAILABLE"
5 }
```