API DOCUMENTATION

Start\_ Trip & End\_ TRIP

Task Number: TMS-20

**Aim: To create API for start\_Trip and end Trip**

**Purpose:  To provide accurate updates and estimates to Employees about the status of their delivery or service.**

**Operational Efficiency: To monitor and improve vehicle utilization, driver performance, and overall operational effectiveness.**

**1.First API end point : Here we access the first url in app urls.py that is used for start\_trip details.**

**Request**

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/start-trip/ |

|  |  |
| --- | --- |
| **Status** | **Response** |
| 405 | {"error":"Method not allowed."} |
| 400 | {  "error": "Trip ID and PIN are required"} |
| 500 | {"error":"Internal server"} |

|  |  |  |
| --- | --- | --- |
| **Type** | **keys** | **Values** |
| Body(Form data) | trip\_id  pin | Value(Trip id will be provided)  Value(pin will be provided) |

**Response:**

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {      "id": 8,      "trip\_id": "TR20240730215350YYRO",      "start\_time": "2024-07-31T17:29:23.267236Z",      "end\_time": "2024-07-30T16:27:49Z",      "status": "scheduled",      "start\_latitude": 40.2,      "start\_longitude": 40.23,      "end\_latitude": 36.2,      "end\_longitude": 36.3,      "pin": 8964,      "start\_meter\_img": null,      "end\_meter\_img": null,      "route\_id": 1,      "vehicle\_id": 1,      "driver\_id": 1  } |
| 400 | {  "error": "Invalid PIN"} |
| 405 | {“error”:”Method not allowed”} |

**2.second API end point: Here we access the second url in app urls.py that is used for end\_trip details.**

**Request**

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/end-trip/ |

|  |  |
| --- | --- |
| **Status** | **Response** |
| 405 | {"error":"Method not allowed."} |
| 404 | { "error": "Trip not found"} |
| 500 | {"error":"Internal server"} |

|  |  |  |
| --- | --- | --- |
| **Type** | **keys** | **Values** |
| Body(Form data) | trip\_id | Value(Trip id will be provided) |

**Response:**

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {      "id": 8,      "trip\_id": "TR20240730215350YYRO",      "start\_time": "2024-07-31T17:29:23.267236Z",      "end\_time": "2024-07-30T16:27:49Z",      "status": "scheduled",      "start\_latitude": 40.2,      "start\_longitude": 40.23,      "end\_latitude": 36.2,      "end\_longitude": 36.3,      "pin": 8964,      "start\_meter\_img": null,      "end\_meter\_img": null,      "route\_id": 1,      "vehicle\_id": 1,      "driver\_id": 1  } |

Conclusion:

Starting and ending a trip involves efficiently recording the initiation and completion of travel activities, ensuring accurate data capture and seamless

integration with overall trip management processes.