# Diagram document for GoTime
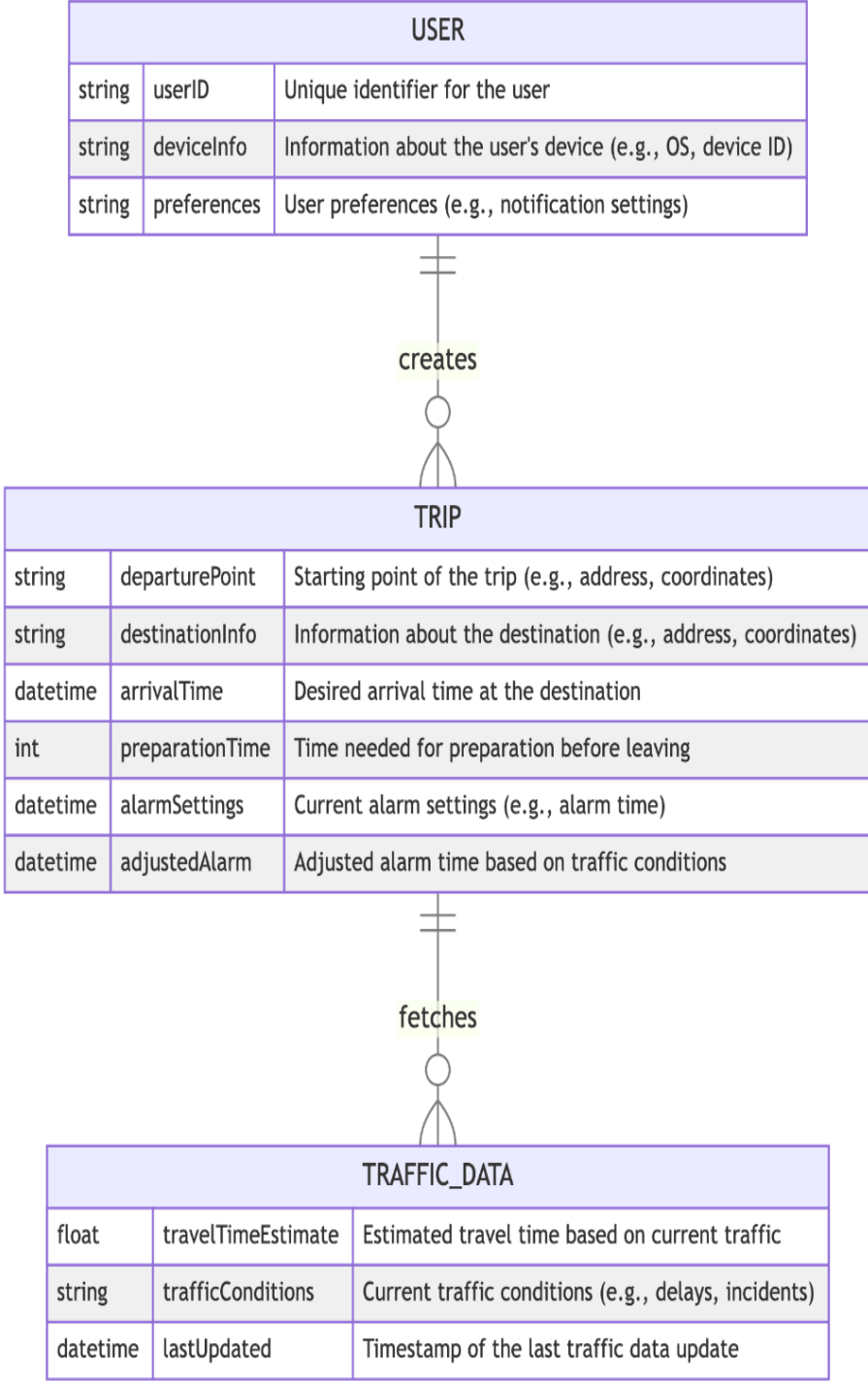*Never arrive late again*
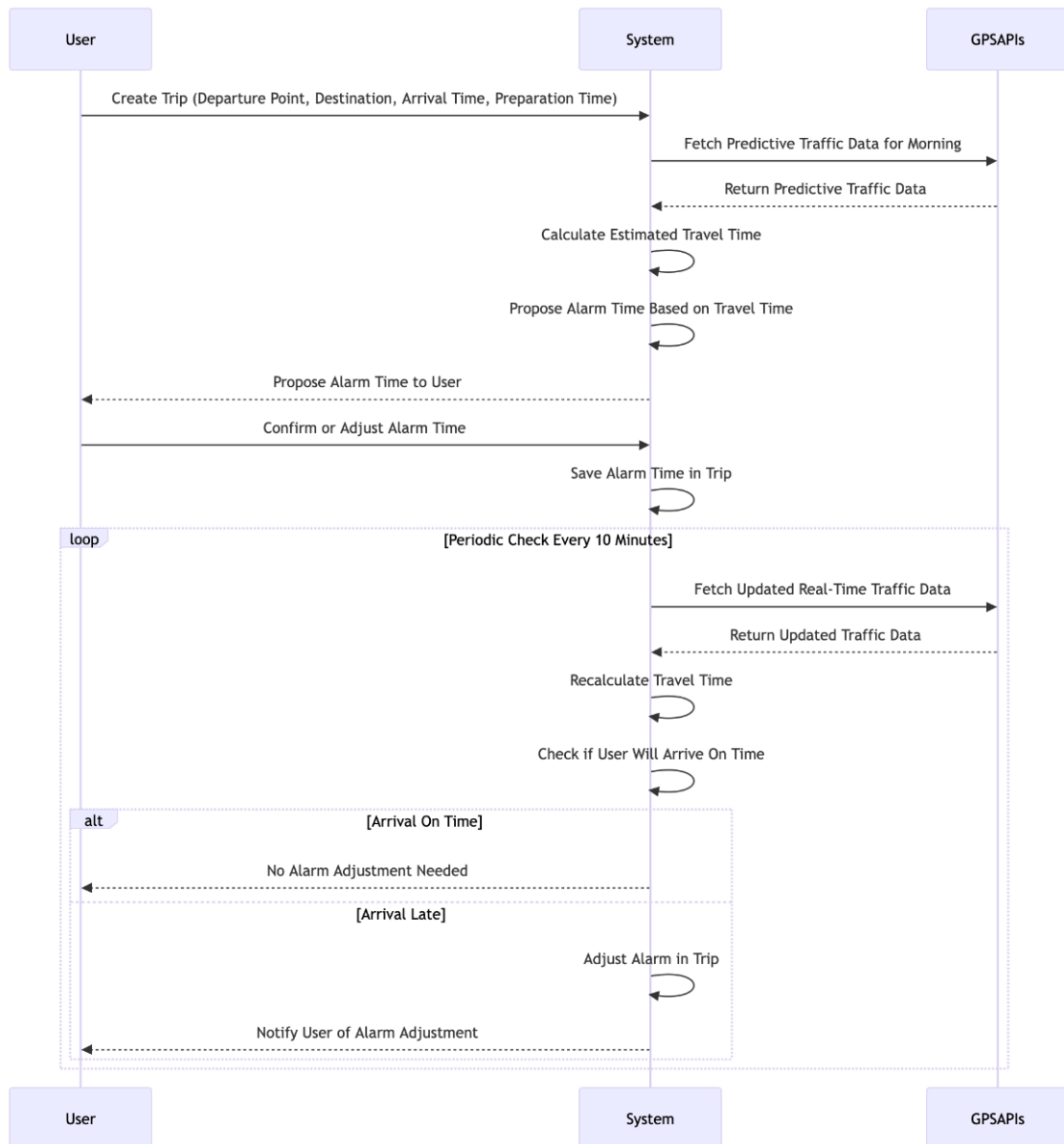
*By the AppelBLAUWzeegroen team*

| Version | Description of Change | Author | Date |
|---|---|---|---|
| 1.0 | Original version | Stefanie Van Geel | 10/02/2025 |
| | | Sofie Brys | 10/02/2025 |
| | | Pieter Hillewaert | 10/02/2025 |
| | | Rachel-Emilie Aitondji | 10/02/2025 |
| | | Hugues Segers | 10/02/2025 |
| | | | |

# Data model

| USER | | |
|---|---|---|
| string | userID | Unique identifier for the user |
| string | deviceInfo | Information about the user's device (e.g., OS, device ID) |
| string | preferences | User preferences (e.g., notification settings) |

creates

| TRIP | | |
|---|---|---|
| string | departurePoint | Starting point of the trip (e.g., address, coordinates) |
| string | destinationInfo | Information about the destination (e.g., address, coordinates) |
| datetime | arrivalTime | Desired arrival time at the destination |
| int | preparationTime | Time needed for preparation before leaving |
| datetime | alarmSettings | Current alarm settings (e.g., alarm time) |
| datetime | adjustedAlarm | Adjusted alarm time based on traffic conditions |

fetches

| TRAFFIC_DATA | | |
|---|---|---|
| float | travelTimeEstimate | Estimated travel time based on current traffic |
| string | trafficConditions | Current traffic conditions (e.g., delays, incidents) |
| datetime | lastUpdated | Timestamp of the last traffic data update |

# Process model

# Transition state model