```
================================================================================
=-------------------------------- Setup --------------------------------=
================================================================================

--------------------------------------------------------------------------------
Setting up Agent...
--------------------------------------------------------------------------------
== Messages ==

[+] Added: RideMessage(user=C1, date=2024-12-01T15:17:11, dest=L(15, 26))
[+] Added: RideMessage(user=C5, date=2024-12-01T15:17:11, dest=L(12, 13))
[+] Added: RideMessage(user=C4, date=2024-12-01T15:17:11, dest=L(15, 26), Shared)
[+] Added: RideMessage(user=C2, date=2024-12-01T15:17:11, dest=L(8, 9), Shared)
[+] Added: RideMessage(user=C3, date=2024-12-01T15:18:23, dest=L(30, 30))
[+] Added: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:19:11, issue=Rash and
unsafe driving, type=Safety)
[+] Added: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:20:11, issue=Issue
Resolved, type=Safety)

== Users & Vehicles ==

[+] Added Customer: C2
[+] Added Customer: C1
[+] Added Customer: C3
[+] Added Customer: C4
[+] Added Customer: C5
[*] Setting Vehicle for driver: D1
--> Vehicle Info: Yamaha can accommodate 1 person at a time.
[+] Added Driver: D1
[*] Setting Vehicle for driver: D2
--> Vehicle Info: Volkswagen can accommodate 4 people at a time.
[+] Added Driver: D2
[*] Setting Vehicle for driver: D3
--> Vehicle Info: Volkswagen can accommodate 4 people at a time.
[+] Added Driver: D3
[*] Setting Vehicle for driver: D4
--> Vehicle Info: Limousine can accommodate 6 people at a time.
[+] Added Driver: D4
--------------------------------------------------------------------------------
[✓] Created Agent: ViennaCabsManager(Customers=5, Drivers=4, Rides=0)
--------------------------------------------------------------------------------


--------------------------------------------------------------------------------
Setting up Agent...
--------------------------------------------------------------------------------
== Messages ==

[+] Added: RideMessage(user=C7, date=2024-12-01T15:17:11, dest=L(15, 26))
[+] Added: RideMessage(user=C9, date=2024-12-01T15:17:11, dest=L(18, 21))

== Users & Vehicles ==

[+] Added Customer: C7
[+] Added Customer: C9
[+] Added Customer: C6
[*] Setting Vehicle for driver: D5
--> Vehicle Info: Camry can accommodate 1 person at a time.
[+] Added Driver: D5
[*] Setting Vehicle for driver: D6
--> Vehicle Info: BMW can accommodate 3 people at a time.
[+] Added Driver: D6
--------------------------------------------------------------------------------
[✓] Created Agent: LinzCabsManager(Customers=3, Drivers=2, Rides=0)
--------------------------------------------------------------------------------


================================================================================
=---------------------------- Setup Successful ----------------------------=
================================================================================

============================== Step 01 ==============================

--------------------------------------------------------------------------------
```

ViennaCabsManager Step:

No ongoing Rides.

[*] Processing Message: RideMessage(user=C1, date=2024-12-01T15:17:11, dest=L(15, 26))
--> Updated Customer Status: (C1, status=REQUESTED)
--> Moved Driver D1 from L(2, 4) to L(2, 4)
[+] Created Ride: (1, status=IDLE, driver=D1, customers=[C1])
[*] Processing Ride: (1, status=IDLE, driver=D1, customers=[C1])
[✓] Ride started: (1, status=ONGOING, driver=D1, customers=[C1])
[*] Processing Message: RideMessage(user=C5, date=2024-12-01T15:17:11, dest=L(12, 13))
--> Updated Customer Status: (C5, status=REQUESTED)
[!] Unable to find an available Driver. Will try again later...
[*] Processing Message: RideMessage(user=C4, date=2024-12-01T15:17:11, dest=L(15, 26), Shared)
--> Updated Customer Status: (C4, status=REQUESTED)
--> Moved Driver D2 from L(2, 4) to L(2, 4)
[+] Created Ride: (3, status=IDLE, driver=D2, customers=[C4])
[*] Processing Ride: (3, status=IDLE, driver=D2, customers=[C4])
[✓] Ride started: (3, status=ONGOING, driver=D2, customers=[C4])
[*] Processing Message: RideMessage(user=C2, date=2024-12-01T15:17:11, dest=L(8, 9), Shared)
--> Updated Customer Status: (C2, status=REQUESTED)
--> C2 added to the existing ride (3, status=ONGOING, driver=D2, customers=[C4, C2]) of driver: D2
[*] Processing Message: RideMessage(user=C3, date=2024-12-01T15:18:23, dest=L(30, 30))
--> Updated Customer Status: (C3, status=REQUESTED)
--> Moved Driver D4 from L(2, 4) to L(2, 4)
[+] Created Ride: (5, status=IDLE, driver=D4, customers=[C3])
[*] Processing Ride: (5, status=IDLE, driver=D4, customers=[C3])
[✓] Ride started: (5, status=ONGOING, driver=D4, customers=[C3])
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:19:11, issue=Rash and unsafe driving, type=Safety)
[X] No ride found with id: 2
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:20:11, issue=Issue Resolved, type=Safety)
[X] No ride found with id: 2

ViennaCabsManager Agent Report:

Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 3
Completed Rides: 0
Active Rides: 3
Total Revenue: 75,00€

LinzCabsManager Step:

No ongoing Rides.

[*] Processing Message: RideMessage(user=C7, date=2024-12-01T15:17:11, dest=L(15, 26))
--> Updated Customer Status: (C7, status=REQUESTED)
[X] No driver with a motorbike vehicle available!
[*] Processing Message: RideMessage(user=C9, date=2024-12-01T15:17:11, dest=L(18, 21))
--> Updated Customer Status: (C9, status=REQUESTED)
--> Moved Driver D5 from L(2, 4) to L(2, 4)
[+] Created Ride: (4, status=IDLE, driver=D5, customers=[C9])
[*] Processing Ride: (4, status=IDLE, driver=D5, customers=[C9])
[✓] Ride started: (4, status=ONGOING, driver=D5, customers=[C9])

LinzCabsManager Agent Report:

Number of Users: 9
Number of Drivers: 2
Number of Customers: 3
Number of Rides: 1
Completed Rides: 0

```
Active Rides: 1
Total Revenue: 0,00€
--------------------------------------------------------------------------------

================================= Step 02 =================================

--------------------------------------------------------------------------------
ViennaCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])
- Ride: (1, status=ONGOING, driver=D1, customers=[C1])
- Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(4, 6), Target: C3, L(2, 4)
[✓] Step completed
[*] Processing Ride: (1, status=ONGOING, driver=D1, customers=[C1])
--> Currently serving customer: C1
--> Moving driver D1 closer to target: L(15, 26)
--> Moved D1 to L(7, 9), Target: C1, L(2, 4)
[✓] Step completed
[*] Processing Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])
--> Currently serving customer: C4
--> Moving driver D2 closer to target: L(15, 26)
--> Moved D2 to L(5, 7), Target: C4, L(2, 4)
[✓] Step completed
[*] Processing Message: RideMessage(user=C5, date=2024-12-01T15:17:11, dest=L(12, 13))
--> Updated Customer Status: (C5, status=REQUESTED)
[!] Unable to find an available Driver. Will try again later...
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:19:11,
issue=Rash and unsafe driving, type=Safety)
[X] No ride found with id: 2
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:20:11,
issue=Issue Resolved, type=Safety)
[X] No ride found with id: 2
--------------------------------------------------------------------------------
ViennaCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 3
Completed Rides: 0
Active Rides: 3
Total Revenue: 75,00€
--------------------------------------------------------------------------------


--------------------------------------------------------------------------------
LinzCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (4, status=ONGOING, driver=D5, customers=[C9])

[*] Processing Ride: (4, status=ONGOING, driver=D5, customers=[C9])
--> Currently serving customer: C9
--> Moving driver D5 closer to target: L(18, 21)
--> Moved D5 to L(5, 7), Target: C9, L(2, 4)
[✓] Step completed
--------------------------------------------------------------------------------
LinzCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 2
Number of Customers: 3
Number of Rides: 1
Completed Rides: 0
Active Rides: 1
Total Revenue: 0,00€
--------------------------------------------------------------------------------
```

================================== Step 03 ==================================

ViennaCabsManager Step:

Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])
- Ride: (1, status=ONGOING, driver=D1, customers=[C1])
- Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(6, 8), Target: C3, L(2, 4)
[√] Step completed
[*] Processing Ride: (1, status=ONGOING, driver=D1, customers=[C1])
--> Currently serving customer: C1
--> Moving driver D1 closer to target: L(15, 26)
--> Moved D1 to L(12, 14), Target: C1, L(2, 4)
[√] Step completed
[*] Processing Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])
--> Currently serving customer: C4
--> Moving driver D2 closer to target: L(15, 26)
--> Moved D2 to L(8, 10), Target: C4, L(2, 4)
[√] Step completed
[*] Processing Message: RideMessage(user=C5, date=2024-12-01T15:17:11, dest=L(12, 13))
--> Updated Customer Status: (C5, status=REQUESTED)
[!] Unable to find an available Driver. Will try again later...
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:19:11,
issue=Rash and unsafe driving, type=Safety)
[X] No ride found with id: 2
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:20:11,
issue=Issue Resolved, type=Safety)
[X] No ride found with id: 2

ViennaCabsManager Agent Report:

Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 3
Completed Rides: 0
Active Rides: 3
Total Revenue: 75,00€

LinzCabsManager Step:

Ongoing Rides:
- Ride: (4, status=ONGOING, driver=D5, customers=[C9])

[*] Processing Ride: (4, status=ONGOING, driver=D5, customers=[C9])
--> Currently serving customer: C9
--> Moving driver D5 closer to target: L(18, 21)
--> Moved D5 to L(8, 10), Target: C9, L(2, 4)
[√] Step completed

LinzCabsManager Agent Report:

Number of Users: 9
Number of Drivers: 2
Number of Customers: 3
Number of Rides: 1
Completed Rides: 0
Active Rides: 1
Total Revenue: 0,00€

================================== Step 04 ==================================

```
--------------------------------------------------------------------------------
ViennaCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])
- Ride: (1, status=ONGOING, driver=D1, customers=[C1])
- Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(8, 10), Target: C3, L(2, 4)
[✓] Step completed
[*] Processing Ride: (1, status=ONGOING, driver=D1, customers=[C1])
--> Currently serving customer: C1
--> Moving driver D1 closer to target: L(15, 26)
--> Moved D1 to L(15, 19), Target: C1, L(2, 4)
[✓] Step completed
[*] Processing Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])
--> Currently serving customer: C4
--> Moving driver D2 closer to target: L(15, 26)
--> Moved D2 to L(11, 13), Target: C4, L(2, 4)
[✓] Step completed
[*] Processing Message: RideMessage(user=C5, date=2024-12-01T15:17:11, dest=L(12, 13))
--> Updated Customer Status: (C5, status=REQUESTED)
[!] Unable to find an available Driver. Will try again later...
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:19:11,
issue=Rash and unsafe driving, type=Safety)
[X] No ride found with id: 2
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:20:11,
issue=Issue Resolved, type=Safety)
[X] No ride found with id: 2
--------------------------------------------------------------------------------
ViennaCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 3
Completed Rides: 0
Active Rides: 3
Total Revenue: 75,00€
--------------------------------------------------------------------------------


--------------------------------------------------------------------------------
LinzCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (4, status=ONGOING, driver=D5, customers=[C9])

[*] Processing Ride: (4, status=ONGOING, driver=D5, customers=[C9])
--> Currently serving customer: C9
--> Moving driver D5 closer to target: L(18, 21)
--> Moved D5 to L(11, 13), Target: C9, L(2, 4)
[✓] Step completed
--------------------------------------------------------------------------------
LinzCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 2
Number of Customers: 3
Number of Rides: 1
Completed Rides: 0
Active Rides: 1
Total Revenue: 0,00€
--------------------------------------------------------------------------------


================================ Step 05 ================================


--------------------------------------------------------------------------------
ViennaCabsManager Step:
--------------------------------------------------------------------------------
```

```
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])
- Ride: (1, status=ONGOING, driver=D1, customers=[C1])
- Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(10, 12), Target: C3, L(2, 4)
[✓] Step completed
[*] Processing Ride: (1, status=ONGOING, driver=D1, customers=[C1])
--> Currently serving customer: C1
--> Moving driver D1 closer to target: L(15, 26)
--> Moved D1 to L(15, 24), Target: C1, L(2, 4)
[✓] Step completed
[*] Processing Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])
--> Currently serving customer: C4
--> Moving driver D2 closer to target: L(15, 26)
--> Moved D2 to L(14, 16), Target: C4, L(2, 4)
[✓] Step completed
[*] Processing Message: RideMessage(user=C5, date=2024-12-01T15:17:11, dest=L(12, 13))
--> Updated Customer Status: (C5, status=REQUESTED)
[!] Unable to find an available Driver. Will try again later...
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:19:11,
issue=Rash and unsafe driving, type=Safety)
[X] No ride found with id: 2
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:20:11,
issue=Issue Resolved, type=Safety)
[X] No ride found with id: 2
-------------------------------------------------------------------------------
ViennaCabsManager Agent Report:
-------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 3
Completed Rides: 0
Active Rides: 3
Total Revenue: 75,00€
-------------------------------------------------------------------------------


-------------------------------------------------------------------------------
LinzCabsManager Step:
-------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (4, status=ONGOING, driver=D5, customers=[C9])

[*] Processing Ride: (4, status=ONGOING, driver=D5, customers=[C9])
--> Currently serving customer: C9
--> Moving driver D5 closer to target: L(18, 21)
--> Moved D5 to L(14, 16), Target: C9, L(2, 4)
[✓] Step completed
-------------------------------------------------------------------------------
LinzCabsManager Agent Report:
-------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 2
Number of Customers: 3
Number of Rides: 1
Completed Rides: 0
Active Rides: 1
Total Revenue: 0,00€
-------------------------------------------------------------------------------


================================ Step 06 ================================

-------------------------------------------------------------------------------
ViennaCabsManager Step:
-------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])
- Ride: (1, status=ONGOING, driver=D1, customers=[C1])
```

```
    - Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(12, 14), Target: C3, L(2, 4)
[✓] Step completed
[*] Processing Ride: (1, status=ONGOING, driver=D1, customers=[C1])
--> Currently serving customer: C1
--> Moving driver D1 closer to target: L(15, 26)
--> Moved D1 to L(15, 26), Target: C1, L(2, 4)
[*] Customer C1 has reached their destination.
[*] Collecting fare: 70,00
--> Paying 70,00 to D1
[✓] Paid: 70,00€
[✓] Step completed
[*] Processing Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])
--> Currently serving customer: C4
--> Moving driver D2 closer to target: L(15, 26)
--> Moved D2 to L(15, 19), Target: C4, L(2, 4)
[✓] Step completed
[*] Processing Message: RideMessage(user=C5, date=2024-12-01T15:17:11, dest=L(12, 13))
--> Updated Customer Status: (C5, status=REQUESTED)
[!] Unable to find an available Driver. Will try again later...
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:19:11,
issue=Rash and unsafe driving, type=Safety)
[X] No ride found with id: 2
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:20:11,
issue=Issue Resolved, type=Safety)
[X] No ride found with id: 2
--------------------------------------------------------------------------------
ViennaCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 3
Completed Rides: 0
Active Rides: 3
Total Revenue: 75,00€
--------------------------------------------------------------------------------


--------------------------------------------------------------------------------
LinzCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (4, status=ONGOING, driver=D5, customers=[C9])

[*] Processing Ride: (4, status=ONGOING, driver=D5, customers=[C9])
--> Currently serving customer: C9
--> Moving driver D5 closer to target: L(18, 21)
--> Moved D5 to L(17, 19), Target: C9, L(2, 4)
[✓] Step completed
--------------------------------------------------------------------------------
LinzCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 2
Number of Customers: 3
Number of Rides: 1
Completed Rides: 0
Active Rides: 1
Total Revenue: 0,00€
--------------------------------------------------------------------------------


================================ Step 07 ==================================

--------------------------------------------------------------------------------
ViennaCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
```

```
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])
- Ride: (1, status=ONGOING, driver=D1, customers=[])
- Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(14, 16), Target: C3, L(2, 4)
[✓] Step completed
[*] Processing Ride: (1, status=ONGOING, driver=D1, customers=[])
[✓] Ride Completed. State changed to COMPLETED.
[*] Processing Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])
--> Currently serving customer: C4
--> Moving driver D2 closer to target: L(15, 26)
--> Moved D2 to L(15, 22), Target: C4, L(2, 4)
[✓] Step completed
[*] Processing Message: RideMessage(user=C5, date=2024-12-01T15:17:11, dest=L(12, 13))
--> Updated Customer Status: (C5, status=REQUESTED)
--> Moved Driver D1 from L(2, 4) to L(2, 4)
[+] Created Ride: (2, status=IDLE, driver=D1, customers=[C5])
[*] Processing Ride: (2, status=IDLE, driver=D1, customers=[C5])
[✓] Ride started: (2, status=ONGOING, driver=D1, customers=[C5])
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:19:11,
issue=Rash and unsafe driving, type=Safety)
[+] Added: SupportCall{date=2024-12-01T15:19:11, resolutionStatus=false,
issueMessage='Rash and unsafe driving'}
[*] Processing Message: SupportCallMessage(id=2, user=C5, date=2024-12-01T15:20:11,
issue=Issue Resolved, type=Safety)
--> Resolving Safety Issue for Ride ID: 2
[✓] Safety Issue Resolved for ride: (2, status=ONGOING, driver=D1, customers=[C5])
--------------------------------------------------------------------------------
VienaCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 3
Completed Rides: 0
Active Rides: 3
Total Revenue: 85,50€
--------------------------------------------------------------------------------


--------------------------------------------------------------------------------
LinzCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (4, status=ONGOING, driver=D5, customers=[C9])

[*] Processing Ride: (4, status=ONGOING, driver=D5, customers=[C9])
--> Currently serving customer: C9
--> Moving driver D5 closer to target: L(18, 21)
--> Moved D5 to L(18, 21), Target: C9, L(2, 4)
[*] Customer C9 has reached their destination.
[*] Collecting fare: 148,50
--> Paying 148,50 to D5
[✓] Paid: 148,50€
[✓] Step completed
--------------------------------------------------------------------------------
LinzCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 2
Number of Customers: 3
Number of Rides: 1
Completed Rides: 0
Active Rides: 1
Total Revenue: 0,00€
--------------------------------------------------------------------------------


================================= Step 08 =================================
```

```
--------------------------------------------------------------------------------
ViennaCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])
- Ride: (2, status=ONGOING, driver=D1, customers=[C5])
- Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(16, 18), Target: C3, L(2, 4)
[✓] Step completed
[*] Processing Ride: (2, status=ONGOING, driver=D1, customers=[C5])
--> Currently serving customer: C5
--> Moving driver D1 closer to target: L(12, 13)
--> Moved D1 to L(7, 9), Target: C5, L(2, 4)
[✓] Step completed
[*] Processing Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])
--> Currently serving customer: C4
--> Moving driver D2 closer to target: L(15, 26)
--> Moved D2 to L(15, 25), Target: C4, L(2, 4)
[✓] Step completed
--------------------------------------------------------------------------------
ViennaCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 3
Completed Rides: 0
Active Rides: 3
Total Revenue: 85,50€
--------------------------------------------------------------------------------


--------------------------------------------------------------------------------
LinzCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (4, status=ONGOING, driver=D5, customers=[])

[*] Processing Ride: (4, status=ONGOING, driver=D5, customers=[])
[✓] Ride Completed. State changed to COMPLETED.
--------------------------------------------------------------------------------
LinzCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 2
Number of Customers: 3
Number of Rides: 0
Completed Rides: 0
Active Rides: 0
Total Revenue: 22,28€
--------------------------------------------------------------------------------

================================= Step 09 =================================

--------------------------------------------------------------------------------
ViennaCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])
- Ride: (2, status=ONGOING, driver=D1, customers=[C5])
- Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(18, 20), Target: C3, L(2, 4)
[✓] Step completed
[*] Processing Ride: (2, status=ONGOING, driver=D1, customers=[C5])
--> Currently serving customer: C5
```

```
--> Moving driver D1 closer to target: L(12, 13)
--> Moved D1 to L(12, 13), Target: C5, L(2, 4)
[*] Customer C5 has reached their destination.
[*] Collecting fare: 38,00
--> Paying 38,00 to D1
[✓] Paid: 38,00€
[✓] Step completed
[*] Processing Ride: (3, status=ONGOING, driver=D2, customers=[C4, C2])
--> Currently serving customer: C4
--> Moving driver D2 closer to target: L(15, 26)
--> Moved D2 to L(15, 26), Target: C4, L(2, 4)
[*] Customer C4 has reached their destination.
[*] Collecting fare: 157,50
--> Paying 157,50 to D2
[✓] Paid: 157,50€
--> Moving Driver from L(15, 26) to L(2, 4)
[✓] Step completed
--------------------------------------------------------------------------------
ViennaCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 3
Completed Rides: 0
Active Rides: 3
Total Revenue: 85,50€
--------------------------------------------------------------------------------

================================= Step 10 =================================

--------------------------------------------------------------------------------
ViennaCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])
- Ride: (2, status=ONGOING, driver=D1, customers=[])
- Ride: (3, status=ONGOING, driver=D2, customers=[C2])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(20, 22), Target: C3, L(2, 4)
[✓] Step completed
[*] Processing Ride: (2, status=ONGOING, driver=D1, customers=[])
[✓] Ride Completed. State changed to COMPLETED.
[*] Processing Ride: (3, status=ONGOING, driver=D2, customers=[C2])
--> Currently serving customer: C2
--> Moving driver D2 closer to target: L(8, 9)
--> Moved D2 to L(5, 7), Target: C2, L(2, 4)
[✓] Step completed
--------------------------------------------------------------------------------
ViennaCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 2
Completed Rides: 0
Active Rides: 2
Total Revenue: 91,20€
--------------------------------------------------------------------------------

================================= Step 11 =================================

--------------------------------------------------------------------------------
ViennaCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])
- Ride: (3, status=ONGOING, driver=D2, customers=[C2])
```

```
[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(22, 24), Target: C3, L(2, 4)
[✓] Step completed
[*] Processing Ride: (3, status=ONGOING, driver=D2, customers=[C2])
--> Currently serving customer: C2
--> Moving driver D2 closer to target: L(8, 9)
--> Moved D2 to L(8, 9), Target: C2, L(2, 4)
[*] Customer C2 has reached their destination.
[*] Collecting fare: 49,50
--> Paying 49,50 to D2
[✓] Paid: 49,50€
[✓] Step completed
-------------------------------------------------------------------------
ViennaCabsManager Agent Report:
-------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 2
Completed Rides: 0
Active Rides: 2
Total Revenue: 91,20€
-------------------------------------------------------------------------


================================ Step 12 ===================================

-------------------------------------------------------------------------
ViennaCabsManager Step:
-------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])
- Ride: (3, status=ONGOING, driver=D2, customers=[])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(24, 26), Target: C3, L(2, 4)
[✓] Step completed
[*] Processing Ride: (3, status=ONGOING, driver=D2, customers=[])
[✓] Ride Completed. State changed to COMPLETED.
-------------------------------------------------------------------------
ViennaCabsManager Agent Report:
-------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 1
Completed Rides: 0
Active Rides: 1
Total Revenue: 122,25€
-------------------------------------------------------------------------


================================ Step 13 ===================================

-------------------------------------------------------------------------
ViennaCabsManager Step:
-------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(26, 28), Target: C3, L(2, 4)
[✓] Step completed
-------------------------------------------------------------------------
ViennaCabsManager Agent Report:
-------------------------------------------------------------------------
Number of Users: 9
```

```
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 1
Completed Rides: 0
Active Rides: 1
Total Revenue: 122,25€
--------------------------------------------------------------------------------

================================= Step 14 ==================================

--------------------------------------------------------------------------------
ViennaCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(28, 30), Target: C3, L(2, 4)
[✓] Step completed
--------------------------------------------------------------------------------
ViennaCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 1
Completed Rides: 0
Active Rides: 1
Total Revenue: 122,25€
--------------------------------------------------------------------------------

================================= Step 15 ==================================

--------------------------------------------------------------------------------
ViennaCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[C3])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[C3])
--> Currently serving customer: C3
--> Moving driver D4 closer to target: L(30, 30)
--> Moved D4 to L(30, 30), Target: C3, L(2, 4)
[*] Customer C3 has reached their destination.
[*] Collecting fare: 556,20
--> Paying 556,20 to D4
[✓] Paid: 556,20€
[✓] Step completed
--------------------------------------------------------------------------------
ViennaCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 1
Completed Rides: 0
Active Rides: 1
Total Revenue: 122,25€
--------------------------------------------------------------------------------

================================= Step 16 ==================================

--------------------------------------------------------------------------------
ViennaCabsManager Step:
--------------------------------------------------------------------------------
Ongoing Rides:
- Ride: (5, status=ONGOING, driver=D4, customers=[])

[*] Processing Ride: (5, status=ONGOING, driver=D4, customers=[])
[✓] Ride Completed. State changed to COMPLETED.
```

```
--------------------------------------------------------------------------------
ViennaCabsManager Agent Report:
--------------------------------------------------------------------------------
Number of Users: 9
Number of Drivers: 4
Number of Customers: 5
Number of Rides: 0
Completed Rides: 0
Active Rides: 0
Total Revenue: 205,68€
--------------------------------------------------------------------------------
```