Actors:

Rider: The user who interacts with the app.

Cab Application: The system managing the trip details and notifications.

Driver: The person providing the ride.

Emergency Contact: A person added by the rider to receive trip notifications.

Steps in the Sequence:

Rider requests the Driver's number via the Cab Application.

The Cab Application fetches the Driver details (number, name, cab number) and sends them to the Rider.

Rider enters the destination and current location into the Cab Application.

The Cab Application compiles the trip details: driver details, destination, and current location.

The Cab Application sends a notification with trip details to the Emergency Contact.

The Emergency Contact receives the notification and optionally acknowledges it.

Diagram Elements:

Lifelines:

Rider

Cab Application

Driver

Emergency Contact

Messages:

Synchronous messages: Represented with solid lines and arrows for requests/responses.

Asynchronous messages: Represented with solid lines and open arrows for notifications.

Interactions:

Messages between the Rider and Cab Application for trip setup.

Notifications from the Cab Application to the Emergency Contact.