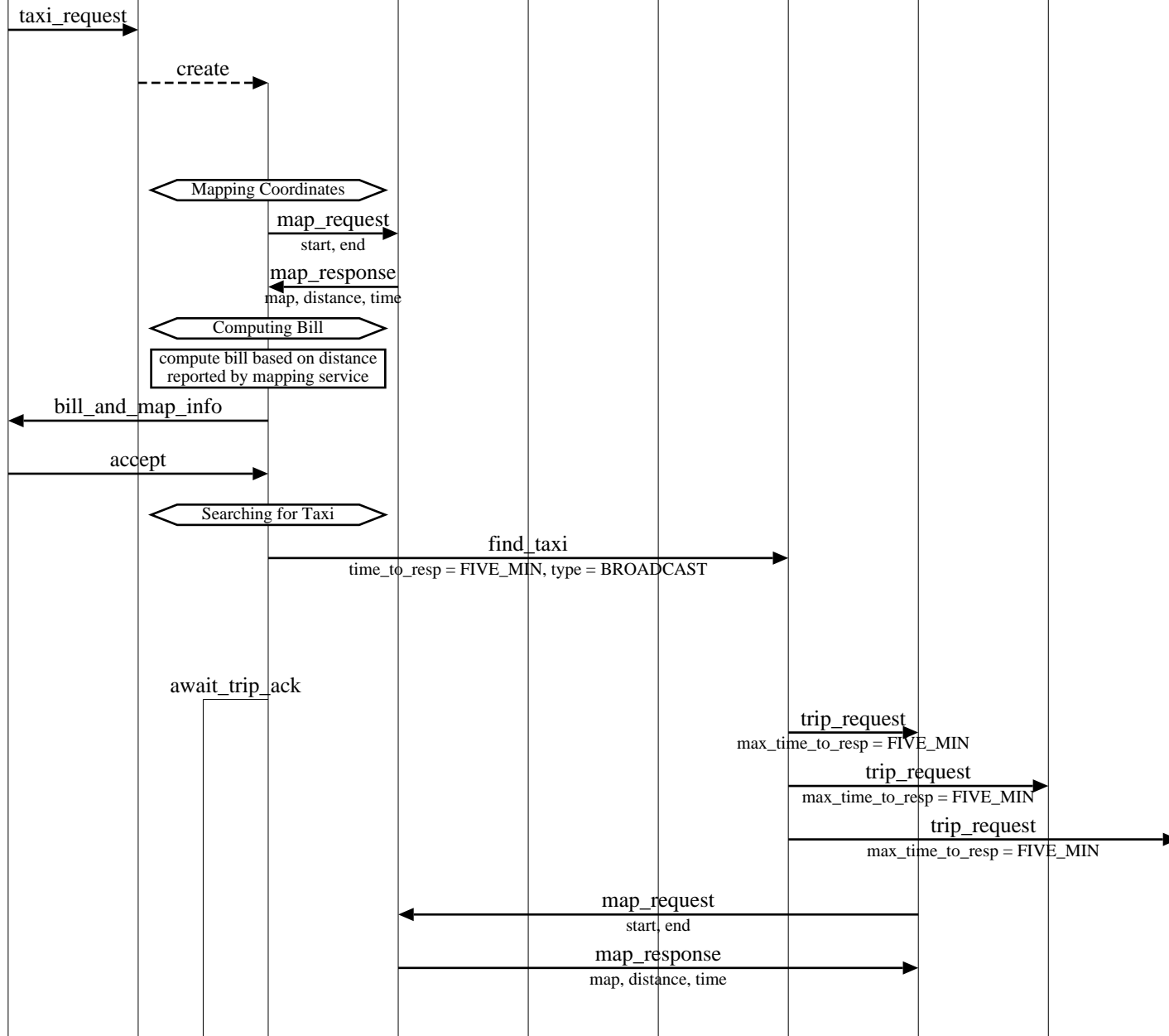


Taxi service from Web Taxi System (Taxi available within 5 min.)

web	website		web services				wireless web			EventHelix.com/EventStudio 2.0
customer	web server		mapping service	billing service	bank ac service	mobile msg service	taxi pda1	taxi pda2	taxi pda3	
customer	session mgr	taxi session	mapping service	billing service	bank ac service	mobile msg service	taxi mgr1	taxi mgr2	taxi mgr3	05-Jul-03 16:41 (Page 1)

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Customer initiates Request for Taxi on the WebTaxi website

The complete transaction with the customer will be handled by the taxi session. Taxi session will be created for every customer being serviced by the website

Application requests the map from the source to destination

Mapping service returns the map, distance and time for the journey

Display the map and bill info on Customer's screen

Customer accepts the bill and decides to go ahead

Send broadcast message to Taxis in the WebTaxi system to determine Taxis that are 5 min. away from source. The broadcast message contains source and destination of the Trip

Taxi1 is a Free Taxi

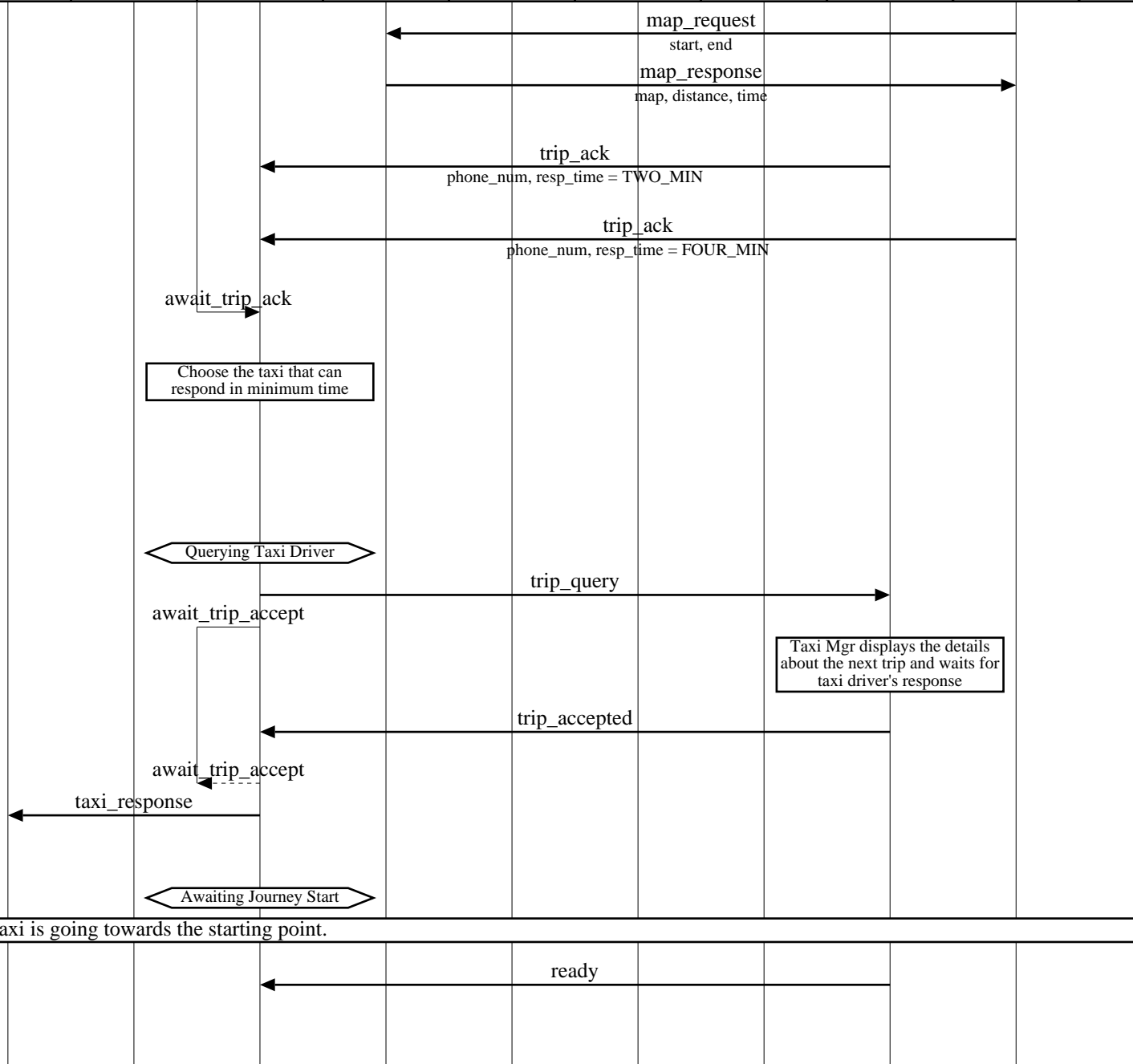
Taxi2 is a Busy Taxi

Taxi3 is Busy and it already has a pending request, so it ignores the trip request

Request the detailed route from starting point to end point

Mapping service responds with map, distance and time

Taxi service from Web Taxi System (Taxi available within 5 min.)										
web	website		web services				wireless web			EventHelix.com/EventStudio 2.0
customer	web server		mapping service	billing service	bank ac service	mobile msg service	taxi pda1	taxi pda2	taxi pda3	
customer	session mgr	taxi session	mapping service	billing service	bank ac service	mobile msg service	taxi mgr1	taxi mgr2	taxi mgr3	05-Jul-03 16:41 (Page 2)



Request the detailed route from starting point to end point

Mapping service responds with map, distance and time

LEG: Response in Five Minutes

Free Taxi informs that it is 2 min. away. The Taxi also informs its phone no.

Busy Taxi informs that it is 4 min. away. The Taxi also informs its phone no.

Taxi session has collected all responses. The taxi will be selected at this point

Taxi session goes through all the responses and chooses the taxi that can reach the customer in minimum time. Note that this decision is based only on the time to reach customer. There is no preference to pick a free Taxi, here the free taxi is selected because it can respond fastest

Send Trip acceptance query

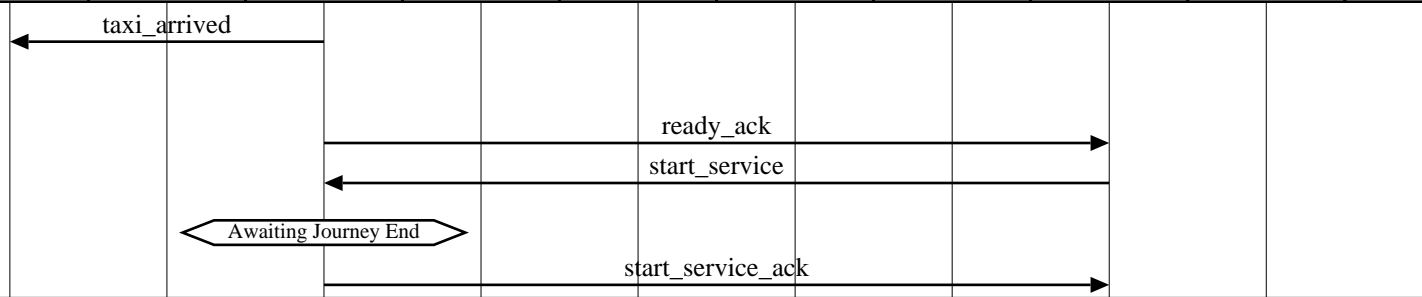
This is the first interaction with the taxi driver. The taxi driver has to respond to accept the service

Taxi driver accepts the trip. Send the information to the WebTaxi server

Display on Customer's screen the license plate no. of the Taxi that will provide the service and approximate time when it will arrive

Taxi informs the WebTaxi server that it has arrived at the starting point and it is ready for service

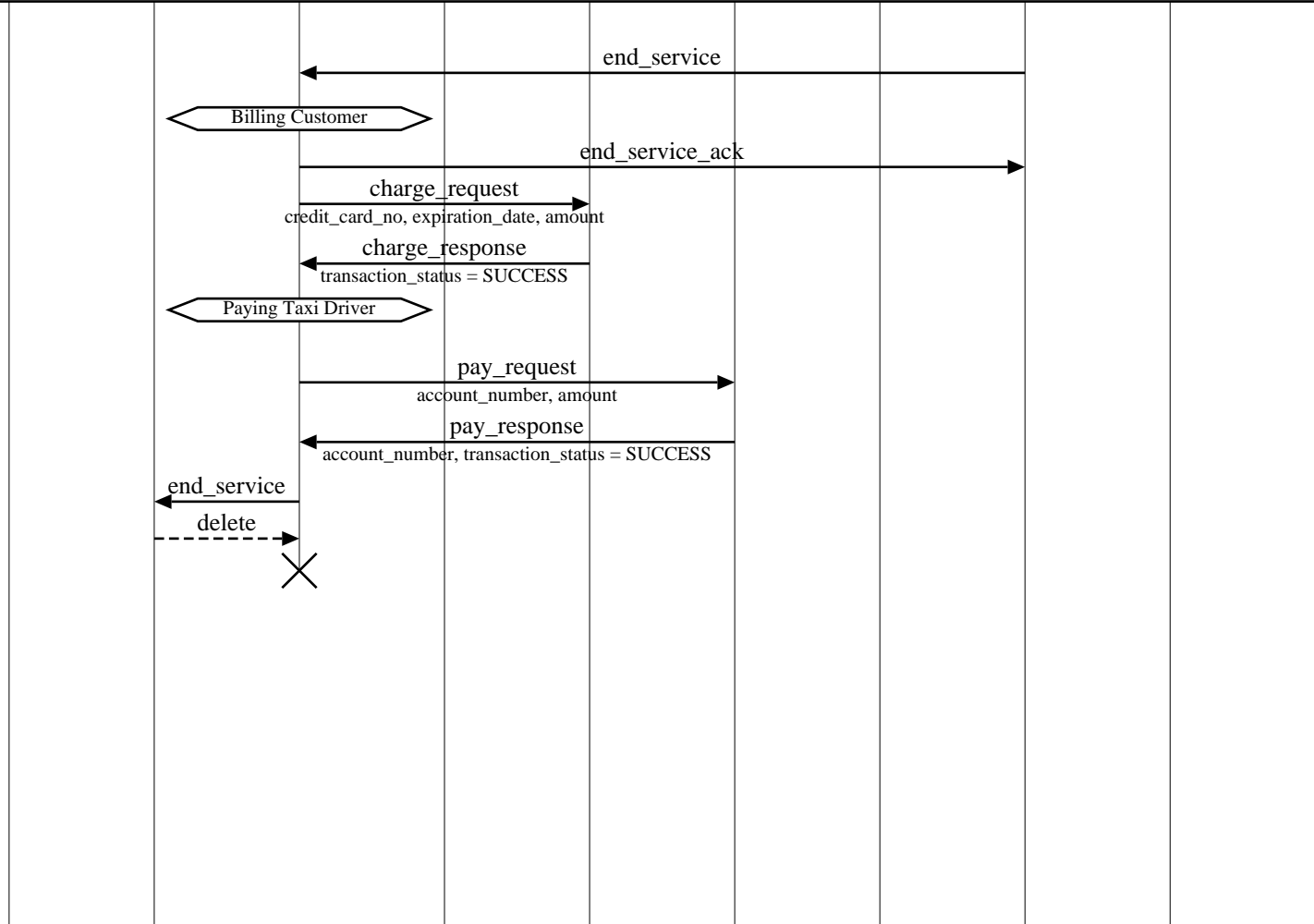
Taxi service from Web Taxi System (Taxi available within 5 min.)										
web	website		web services				wireless web			EventHelix.com/EventStudio 2.0
customer	web server		mapping service	billing service	bank ac service	mobile msg service	taxi pda1	taxi pda2	taxi pda3	
customer	session mgr	taxi session	mapping service	billing service	bank ac service	mobile msg service	taxi mgr1	taxi mgr2	taxi mgr3	05-Jul-03 16:41 (Page 3)



Flash on Customer's screen that Taxi has arrived
 Customer boards Taxi

 Taxi informs WebTaxi server that the service has started

Taxi is serving the customer and is moving towards the destination



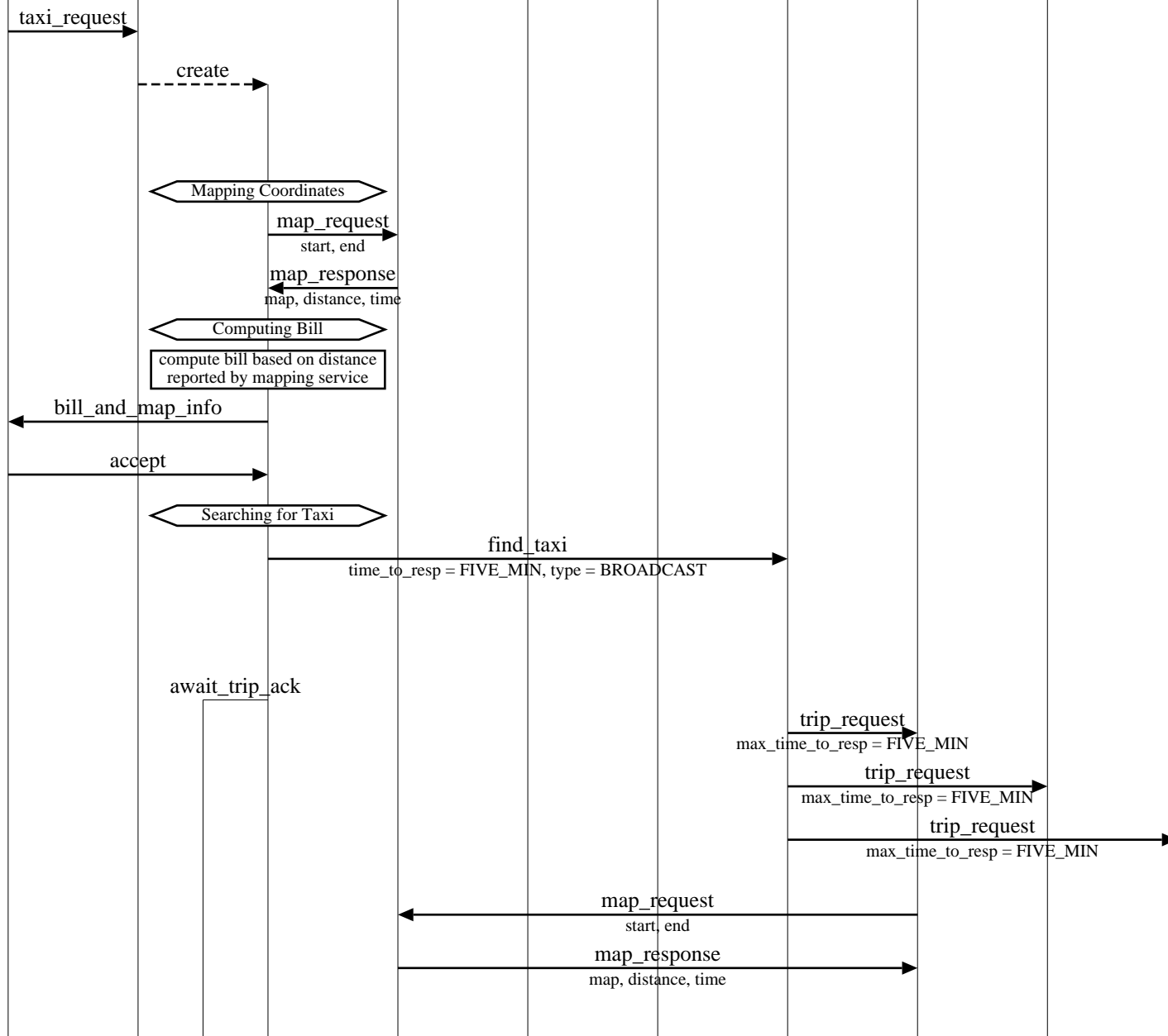
The Taxi reaches the destination
 WebTaxi server is informed that the service has ended
 Now bill the customer

 Customers credit card is changed at this point
 Bill service bills the customer and responds back with the status
 Now credit the money to the taxi driver
 Deposite money in the Taxi Driver's bank account

Taxi service from Web Taxi System (Taxi available within 10 min.)

web	website		web services				wireless web			EventHelix.com/EventStudio 2.0
customer	web server		mapping service	billing service	bank ac service	mobile msg service	taxi pda1	taxi pda2	taxi pda3	
customer	session mgr	taxi session	mapping service	billing service	bank ac service	mobile msg service	taxi mgr1	taxi mgr2	taxi mgr3	05-Jul-03 16:41 (Page 4)

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Send broadcast message to Taxis in the WebTaxi system to determine Taxis that are 5 min. away from source. The broadcast message contains source and destination of the Trip

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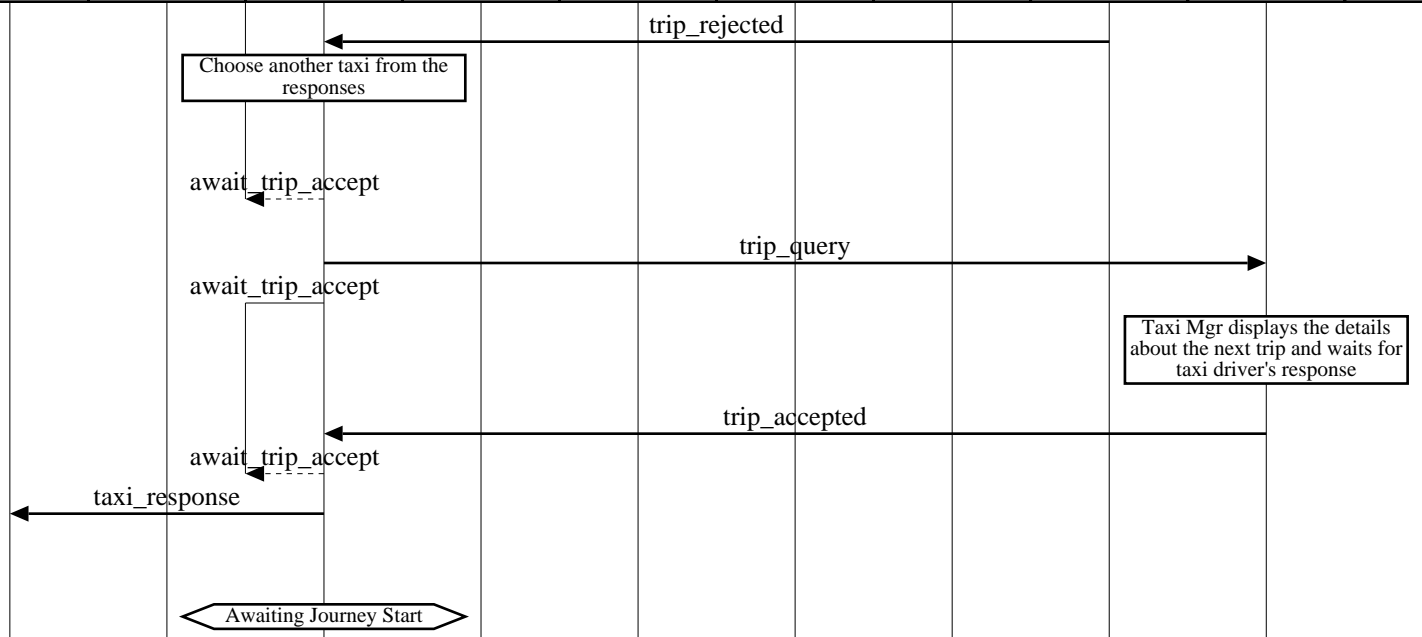
Taxi2 is a Busy Taxi

Taxi3 is Busy and it already has a pending request, so it ignores the trip request

Request the detailed route from starting point to end point

Mapping service responds with map, distance and time

Taxi service from Web Taxi System (Taxi available within 10 min.)										
web	website		web services				wireless web			EventHelix.com/EventStudio 2.0
customer	web server		mapping service	billing service	bank ac service	mobile msg service	taxi pda1	taxi pda2	taxi pda3	
customer	session mgr	taxi session	mapping service	billing service	bank ac service	mobile msg service	taxi mgr1	taxi mgr2	taxi mgr3	05-Jul-03 16:41 (Page 6)



The free taxi's driver rejects the trip

The first taxi has rejected the request, so offer the trip to the next taxi that can reach the starting time in minimum time

Taxi session has got a response so stop this timer

Send Trip acceptance query

This is the first interaction with the taxi driver. The taxi driver has to respond to accept the service

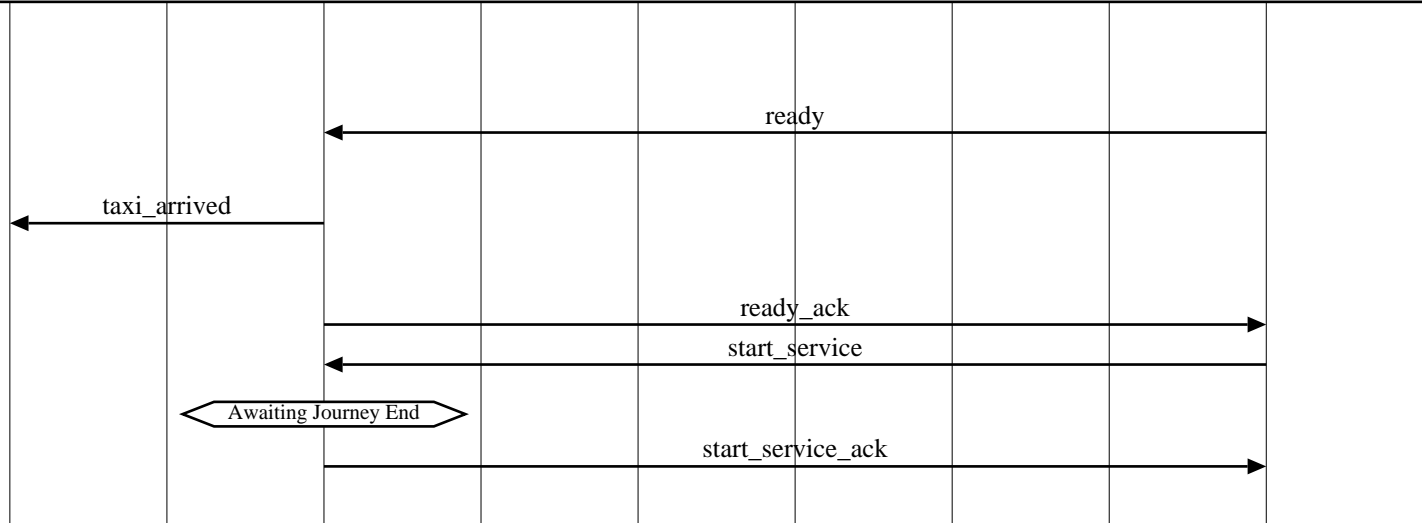
Busy Taxi accepts the Trip

Display on Customer's screen the license plate no. of the Taxi that will provide the service and approximate time when it will arrive

The Taxi is finishing its current service.

Taxi 2 will finish its current service before it can proceed for the next service

The Taxi is going towards the starting point.



The taxi moves from the end point of the last service to the starting point of the new service

Taxi informs the WebTaxi server that it has arrived at the starting point and it is ready for service

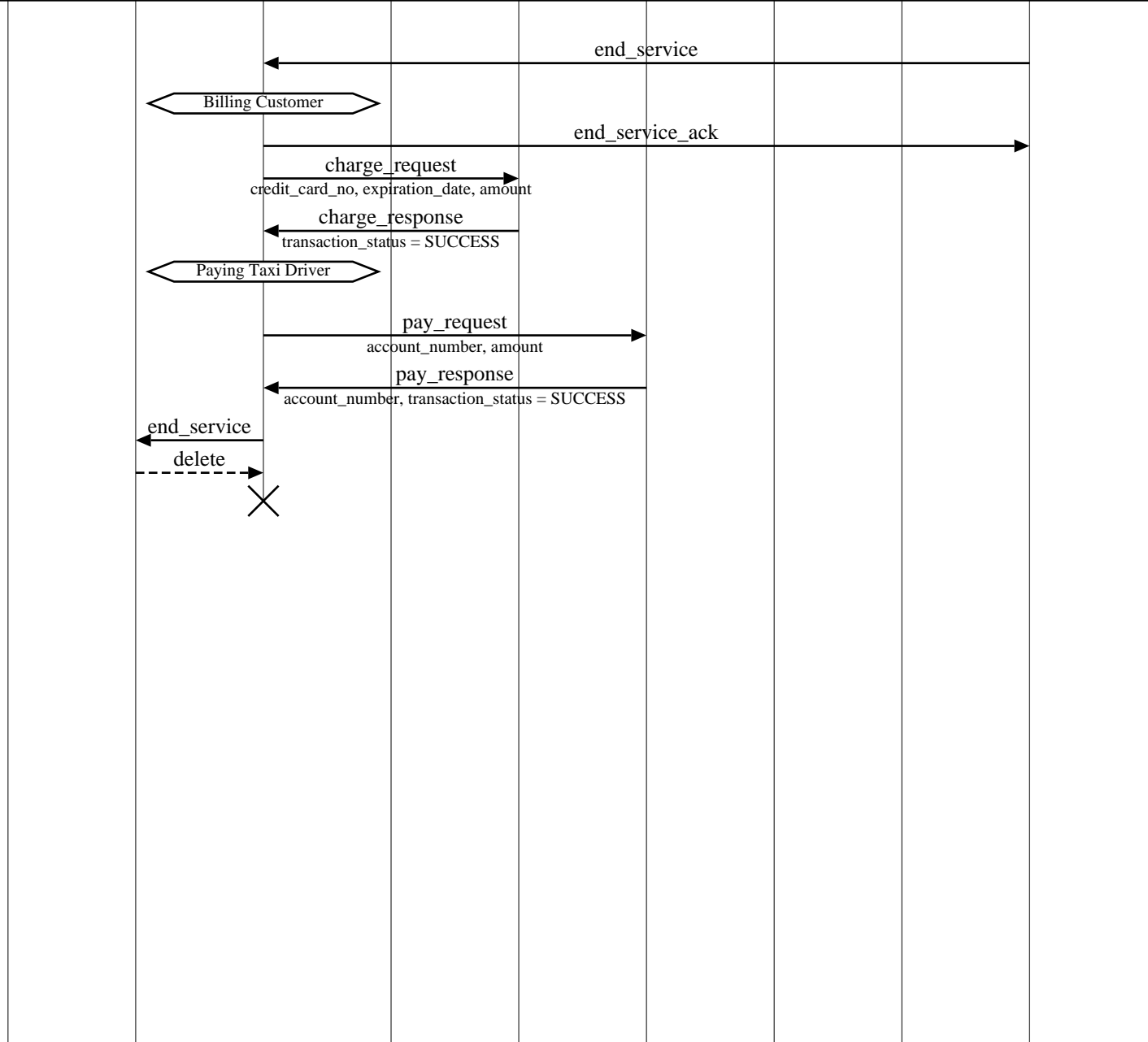
Flash on Customer's screen that Taxi has arrived

Customer boards the Taxi

Taxi informs WebTaxi server that the service has started

Taxi service from Web Taxi System (Taxi available within 10 min.)										
web	website		web services				wireless web			EventHelix.com/EventStudio 2.0
customer	web server		mapping service	billing service	bank ac service	mobile msg service	taxi pda1	taxi pda2	taxi pda3	
customer	session mgr	taxi session	mapping service	billing service	bank ac service	mobile msg service	taxi mgr1	taxi mgr2	taxi mgr3	05-Jul-03 16:41 (Page 7)

Taxi is serving the customer and is moving towards the destination



The Taxi reaches the destination
 WebTaxi server is informed that the service has ended
 Now bill the customer

Customers credit card is changed at this point
 Bill service bills the customer and responds back with the status
 Now credit the money to the taxi driver
 Deposite money in the Taxi Driver's bank account