

Put UpdateTaxiTripExtraInfo

input/request:

url: <http://localhost:10001/api/yellowtaxi/extrainfo/a5ca02cd-0934-4e72-bcf8-86d201679497>

body [Json]:

```
{
  "dropoffLatitude": 40.73488998413086,
  "dropoffLongitude": -73.98860931396484,
  "pickupLatitude": 40.75008010864258,
  "pickupLongitude": -73.99112701416016,
  "rateCodeID": 1,
  "storeAndFwdFlag": "Y"
}
```

output/response:

body [Json]:

```
{
  "id": "a5ca02cd-0934-4e72-bcf8-86d201679497",
  "message": "Successfully persisted",
  "status": "Success"
}
```

Test-Case Design:

Apply Black Box Technique Boundary value analysis.

Table Equivalence Classes:

Input Condition	Valid Equivalence Classes	Invalid Equivalence Classes
pickupLongitude	180 (24) -180 (25)	empty field (26) something different to a number (27) 181 (28) -181 (29)

pickupLatitude	90 (30) -90 (31)	empty field (32) something different to a number (33) 91 (34) -91 (35)
rateCodeID	1 (36) 6 (37)	empty field (38) something different to a number (39) a negative number (40) 0 (41) 7 (42)
storeAndFwdFlag	Y (43) N (44)	empty field (45) something different to a Y and N (46)
Dropoff_longitude	180 (47) -180 (48)	empty field (49) something different to a number (50) 181 (51) -181 (52)
Dropoff_latitude	90 (53) -90 (54)	empty field (55) something different to a number (56) 91 (57) -91 (58)

Write test cases that cover the classes.

Table test valid cases:

Number	Test case	Cases that cover	Expected output/response
1	{ "pickupLongitude": "180", "pickupLatitude": "90", "rateCodeID": 1, "storeAndFwdFlag": "Y", "dropoffLongitude": "180", "dropoffLatitude": "90", }	(1) (7) (13) (19) (24) (30) (36) (43) (47) (53) (59) (66) (71) (76) (81) (86) (91) (96)	ok
2	{ "pickupLongitude": "-180", "pickupLatitude": "-90", "rateCodeID": 6, "storeAndFwdFlag": "N", "dropoffLongitude": "-180", "dropoffLatitude": "-90", }	(14) (25) (31) (37) (44) (48) (54) (60) (72) (77) (82) (87) (92)	ok

Table test invalid cases:

Number	Test case	Case that cover	expected output/response
21	{ ... "pickupLongitude": "", ... }	empty field (26)	rejection request
22	{ ... "pickupLongitude": "A", ... }	something different to a number (27)	rejection request

23	{ ... "pickupLongitude": "181", ... }	181 (28)	bad request
24	{ ... "pickupLongitude": "-181", ... }	-181 (29)	bad request
25	{ ... "pickupLatitude": "", ... }	empty field (32)	rejection request
26	{ ... "pickupLatitude": "A", ... }	something different to a number (33)	rejection request
27	{ ... "pickupLatitude": "91", ... }	91 (34)	bad request
28	{ ... "pickupLatitude": "-91", ... }	-91 (35)	bad request
29	{ ... "rateCodeID": , ... }	empty field (38)	rejection request
30	{ ... "rateCodeID": "A", ... }	something different to a number (39)	rejection request
31	{ ... "rateCodeID": "-1", ... }	a negative number (40)	bad request
32	{ ... "rateCodeID": "0", ... }	0 (41)	bad request
33	{ ... "rateCodeID": "7", ... }	7 (42)	bad request
34	{ ... "storeAndFwdFlag": "", ... }	empty field (45)	rejection request
35	{ ... "storeAndFwdFlag": "A", ... }	something different to a Y and N (46)	bad request
36	{ ... "dropoffLongitude": "", ... }	empty field (49)	rejection request
37	{ ... "dropoffLongitude": "A", ... }	something different to a number (50)	rejection request
38	{ ... "dropoffLongitude": "181", .. }	181 (51)	bad request
39	{ ... "dropoffLongitude": "-181", ... }	-181 (52)	bad request
40	{ .. "dropoffLatitude": "", .. }	empty field (55)	rejection request
41	{ ... "dropoffLatitude": "A", ... }	something different to a number (56)	rejection request
42	{ ... "dropoffLatitude": "91", ... }	91 (57)	bad request
43	{ ... "dropoffLatitude": "-91", ... }	-91 (58)	bad request

