

Test plan for Parking Cost Calculator

The below test cases were created using boundary analysis and equivalent partitioning test design techniques — 43 test cases. The automation consists of 10 test cases (Chrome, Safari) highlighted with blue. The rows highlighted with green were not taken into account during this project.

NA means that an error message should be presented.  
?\* means that I’m unsure what the correct price is or if the written price is correct.

Valet Parking								
	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Test 8
Duration	24 h	4 h 59 min	5 h	5 h 1 min	0 h 0 min	0 h 1 min	36 h 29 min	- 5 h 20 min
Price	18€	12€ ?*	12€	18 € ?*	NA	12€ ?*	?*	-
Name	Valid	Invalid	Valid	Valid	Valid	Valid	Valid	-
Last Name	Valid	Valid	Invalid	Valid	Valid	Valid	Valid	-
Email Address	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	-
Phone Number	Valid	Valid	Valid	Valid	Invalid	Valid	Valid	-
Size	Medium	Small	Choose...	Medium	Small	Choose	Medium	-
License Plate Number	Valid	Valid	Valid	Valid	Valid	Valid	Invalid	-
Credit Card Number	Valid	Invalid	Valid	Invalid	Invalid	Valid	Invalid	-
Expiration Date	Valid	Valid	Invalid	Invalid	Valid	Invalid	Valid	-
Security Code	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	-

Short-Term (hourly) Parking									
	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Test 8	
Duration	24 h 1 min	24 h	1 h	1 h 29 min	1 h 30 min	0 h 0 min	47 h 56 min	- 2 h 8 min	
Price	25 €	24 €	2 €	3 € ?*	4 € ?*	NA	?*	NA	
Name	Valid	Invalid	Valid	Valid	Valid	Valid	Valid	-	
Last Name	Valid	Valid	Invalid	Valid	Valid	Valid	Valid	-	
Email Address	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	-	
Phone Number	Valid	Valid	Valid	Valid	Invalid	Valid	Valid	-	
Size	Medium	Small	Choose...	Medium	Small	Choose	Medium	-	
License Plate Number	Valid	Valid	Valid	Valid	Valid	Valid	Invalid	-	
Credit Card Number	Valid	Invalid	Valid	Invalid	Invalid	Valid	Invalid	-	
Expiration Date	Valid	Valid	Invalid	Invalid	Valid	Invalid	Valid	-	
Security Code	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	-	

Long-Term Garage Parking										
	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Test 8	Test 9	
Duration	1 h	1 h 1 min	24 h	23 h 59 min	168 h	168 h 1 min	0 h 0 min	189 h 32 min	- 0 h 3 min	
Price	2 €	4 € ?*	12 €	?*	72 €	74 € ?*	NA	?*	NA	
Name	Valid	Invalid	Valid	Valid	Valid	Valid	Valid	Valid	-	
Last Name	Valid	Valid	Invalid	Valid	Valid	Valid	Valid	Invalid	-	
Email Address	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	Valid	-	
Phone Number	Valid	Valid	Valid	Valid	Invalid	Valid	Valid	Invalid	-	
Size	Medium	Small	Choose...	Medium	Small	Choose	Medium	Medium	-	
License Plate Number	Valid	Valid	Valid	Valid	Valid	Valid	Invalid	Invalid	-	
Credit Card Number	Valid	Invalid	Valid	Invalid	Invalid	Valid	Invalid	Valid	-	
Expiration Date	Valid	Valid	Invalid	Invalid	Valid	Invalid	Valid	Invalid	-	
Security Code	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	Invalid	-	

Long-Term Surface Parking										
	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Test 8	Test 9	
Duration	168 h 1 min	1 h 1 min	24 h	23 h 59 min	168 h	1 h	0 h 0 min	378 h 1 min	- 1 h 8 min	
Price	62 €	4 € ?*	10 €	?*	60 €	2 €	NA	?*	NA	
Name	Valid	Invalid	Valid	Valid	Valid	Valid	Valid	Invalid	-	
Last Name	Valid	Valid	Invalid	Valid	Valid	Valid	Valid	Invalid	-	
Email Address	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	Valid	-	
Phone Number	Valid	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	-	
Size	Medium	Small	Choose...	Medium	Small	Choose	Medium	Medium	-	
License Plate Number	Valid	Valid	Valid	Valid	Valid	Valid	Invalid	Invalid	-	
Credit Card Number	Valid	Invalid	Valid	Invalid	Invalid	Valid	Invalid	Valid	-	
Expiration Date	Valid	Valid	Invalid	Invalid	Valid	Invalid	Valid	Invalid	-	
Security Code	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	Invalid	-	

Economy Lot Parking										
	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Test 8	Test 9	
Duration	1 h	1 h 1 min	24 h	23 h 59 min	168 h	168 h 1 min	0 h 0 min	509 h 9 min	- 10 h 3 min	
Price	2 €	4 € ?*	9 €	?*	54 €	56 € ?*	NA	?*	NA	
Name	Valid	Invalid	Valid	Valid	Valid	Valid	Valid	Valid	-	
Last Name	Valid	Valid	Invalid	Valid	Valid	Valid	Valid	Invalid	-	
Email Address	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	Valid	-	
Phone Number	Valid	Valid	Valid	Valid	Invalid	Valid	Valid	Invalid	-	
Size	Medium	Small	Choose...	Medium	Small	Choose	Medium	Small	-	
License Plate Number	Valid	Valid	Valid	Valid	Valid	Valid	Invalid	Valid	-	
Credit Card Number	Valid	Invalid	Valid	Invalid	Invalid	Valid	Invalid	Valid	-	
Expiration Date	Valid	Valid	Invalid	Invalid	Valid	Invalid	Valid	Invalid	-	
Security Code	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	Invalid	-	