

ID	Requirement	Description	Inputs	Expected outputs	Pass / Fail	Comments
A1.1	FR1	The work of the command-line menu: option input.	1 (option 1: register vehicle)	Program offers to choose the type of vehicle being registered.	P	
			Q	Program exit.	P	
			0	Prints out a default message from the switch and then the menu.	P	
A1.2	FR2	Register vehicle menu option: choosing vehicle type.	Enter a true option: 1 (a car or a small van)	Asks if I require an attendant.	P	
			Enter non-option: 0	Prints out a default message and then the menu.	P	
			Enter char: "A"	Prints out an error message for the InputMismatchException.	P	
A1.3	FR3	Y/N answer: Do you require an attendant?	Enter "N" for no;	Asks for the license plate number of the vehicle being registered.	P	
			Enter "O" for abnormal input.	Prints out an error message: "answer cannot be processed"	P	
			For "Y" aka yes see A1.6			
A1.4	FR4	The license plate number of the vehicle input and its assignment to the suitable zone (according to the brief).	Enter a string for a car or small van: "JQDWIE"	License plate number excepted. Program asks whether the user wants to be parked outside or not, since StandardSized vehicles can be parked in zone1 and zone4.	P	

			No abnormal input, since a String			
A1.5	FR5	Y/N: Do we want to be parked outside?	Enter “Y” for yes as a normal input;	Message about where the vehicle was parked (zone and space id) and the receipt with time of issue and collection code.	P	
			Enter “0” for abnormal input.	Prints out an error message: “answer cannot be processed”	P	
			Enter “N” for no as a normal input;	Message about where the vehicle was parked (zone and space id) and the receipt with time of issue and collection code.	P	
A1.6	FR6	Y/N answer: Do you require an attendant?	Enter “Y” for yes	Display message that there are not attendants available if attendants pool is empty.	P	
			Enter “Y” for yes	Security check. Offers to enter password for further actions.	P	
A1.7	FR7	Security check: input password.	Enter: correct password	Enter license plate: this time from the attendant’s side (see A1.4)	P	
			Enter: incorrect password	Error message: “incorrect password” and offer to try again.	P	
A1.8	FR8	Y/N: Attendant is choosing the spot manually?	Enter: “N” for “no”.	Automatically parks it, the same way shown in A1.5	P	
			Enter “Y” for “yes”:	Lists the zone info and offers to choose zone to attendant (we assume that he will respect the vehicle type regulations)	P	

A1.9	FR9	Manual zone input for the attendants.	Enter int number in a range 1-3: normal input	Offers to enter the space ID next.	P	
			Enter int out of range: 0	Default message: answer cannot be “processed”	P	
			Enter char: A	Error message: “please, input valid zone number”.	P	
A1.10	FR10	Choosing space ID manually.	Enter the space ID of the range and free space:	See A1.5 for normal input.	P	
			Enter int out of range: 0	Default message: answer cannot be “processed”	P	
			Enter char: A	Error message: “please, input valid zone number”.	P	
B1.1	FR11	Option menu: collect vehicle. Input collection code.	Normal input: given collection code.	Asks whether user is a disabled user, halves the fee if yes.		
			Abnormal input: non existing collection code	Ignores the value, prints the menu again.	P	
			Abnormal input: string	Error message: “please, input valid zone number”.	P	
B1.2	FR12	Y/N: Disabled user?	“N” for “No”:	Pay the total amount for the stay in the car park.	P	
			“Y” for “Yes”:	Same, but total amount is halved.	P	
			Abnormal inputs:	Message: “Input valid answer”	P	

B1.3	FR13	Paying the total.	Less than required	Message: “less than total, payment was not processed, try again” – runs method again	P	
			Exact amount	Gives out a token and send to the method, which offers attendant collection.	P	
			More than required	Gives change, gives out token, asks whether the attendant is needed.	P	
B1.4	FR14	Y/N: Attendant needed?	Yes	Should remove attendant from the free pool and help customer to exit the MCP.	F	/not properly implemented/ Simply prints out message for attendant and moves to the exit.
			No	Moves to the exit	P	
			Abnormal inputs:	Message: “Input valid answer”	P	
B1.5	FR15	Exit barrier: do you wish to input the token?	Yes	If token was on hands for less than 15 minutes – vehicle released, customer gone.		
			No	Go back to the menu.	F	Asks again
C1.1	FR16	Displaying car park information	Menu option 3.	Displays information about the car park	P	
C1.2	FR17	Changing to admin mode	See A1.7	See A1.7	P	