

System Test cases Document for Integration tests

Integration tests with CitizenApp

Use Cases	Initial State	Function Being Tested	Input	Expected Output
IC_C1	App start. Show Stops Page is selected	SF_S3 called via SF_10	Automatic Event	List of Stops is shown to the user
	Stop Detail Page of a Stop is selected	SF_C9	Stop ID	List of Lines and their arrival at the current stop is shown
		SF_C9 (invalid Stop ID)	Stop ID	Notification is shown to the user
		SF_C9 (no Stop ID)	Stop ID	
IC_C2	User is at Stop Detail. Access Bus Detail Page	SF_S5 and SF_S6 called via SF_C3 (initial)	Bus ID	Show color, picture, seats, position of the bus
		SF_S5 and SF_S6 called via SF_C3 (subsequent)	Bus ID	Show color, picture, seats, position of the bus
		SF_S5 and SF_S6 called via SF_C3 (no data)	Bus ID	
	Part of the information:	SF_S6 called via SF_C1 (initial)	Bus ID	Bus Position is visible
		SF_S6 called via SF_C1 (subsequent)	Bus ID	Bus position is visible
		SF_S6 called via SF_C1 (no data)	Bus ID	Bus position is shown to the user

	Part of the information:	SF_S6 called via SF_C2 (initial)	Bus ID	Bus delay (if any) is shown to the user
		SF_S6 called via SF_C2 (subsequent)	Bus ID	Bus delay (if any) is shown to the user
		SF_S6 called via SF_C2 (no data)	Bus ID	
IC_C3	User is at Bus Detail screen and taps on the map	SF_S6 called via SF_C1 (initial)	Bus ID	Bus position is shown to the user
		SF_S6 called via SF_C1 (subsequent)	Bus ID	Bus position is shown to the user
		SF_S6 called via SF_C1 (no data)	Bus ID	

Integration tests with BusDriveApp

Use Cases	Initial State	Function Being Tested	Input	Expected Output
IC_B1	User is at "Select Bus" screen	SF_S1 called via SF_B0	User selects bus	Screen switched to "Select Line"
	User is at "Select Line" screen	SF_S2, SF_S3 and SF_4 called via SF_B0; SF_S7 called via SF_B3.1	User selects line	Screen switched to "Drive" screen and bus and line saved, #passengers = 0, next stop displayed
IC_B2	User is at "Drive" screen	SF_B4	Driver increases #passengers	#passengers increased, later iteration: sent to server
			Driver decreases #passengers	#Passengers decreased, later iteration: sent to server

IC_B3	User is at "Drive" or "Stops" screen	SF_B6	"Map" tab selected	Switched to "Map" screen, "Map" screen shows initial map i.e. line overview
IC_B4	User is at "Drive" or "Map" screen	SF_B7	"Stops" tab selected	Switched to "Stops" screen, "Stops" screen shows list of all stops
IC_B2, IC_B3 IC_B4	User at "Drive", "Map" or "Stops" screen	SF_S8 called via SF_B3.2	Gps data from the local device	GPS location sent to server every 15-20 seconds with id of the bus and lines and a timestamp