

System Test Cases – Iteration 3

Known Problems/ Bugs:

- If you end a tour and start a second one, many errors occur, caused by a malfunction of the back button
 - o Current alternative: restart the app when you want to start another tour

IC	SF	Initial State	Input	Expected Output	Actual Output
#IC_B1: Setting up for driving	#SF_B0: Request Data	"Home screen"	User taps on "Start Tour"	- Switched to "Select Bus screen" and list of busses is shown, provided by the server	- all Test Cases work as expected
#IC_B1: Setting up for driving	#SF_B1: Select Bus	"Select Bus" screen	User selects Bus	- Selection saved, - Switched to "Select Line" screen	
#IC_B1: Setting up for driving	#SF_B2: Select Busline	"Select Line" screen	User selects Line	- Selection saved - SF_B3.1	
#IC_B1: Setting up for driving	#SF_B3.1: Send Bus Status Data to server	"Drive" screen	Bus and line information	- "Drive" screen	
#IC_B2: Document number of Citizens #IC_B3: See	#SF_B3.2: Send Real Time Data to server	"Drive", "Map" or "Stops" screen	GPS data from the local device	- GPS location sent to server every 60 seconds or if the bus moved 75 meters with ID of the bus, number of passengers and a timestamp	

route #IC_B4: See stops					
#IC_B2: Document number of Citizens	#SF_B4: Change number of taken seats	"Drive" screen	Driver increases #Passengers	- #Passengers increased - information sent to the sever	
#IC_B2: Document number of Citizens	#SF_B4: Change number of taken seats	"Drive" screen	Driver decreases #Passengers	- #Passengers decreased - information sent to the server	
#IC_B3: See route	#SF_B6: Show map of current position	"Drive" screen or "Stops" screen	"Map" tab selected	- Switched to "Map" screen - "Map" screen shows initial map i.e. line overview	
#IC_B4: See stops	#SF_B7: Show Line Stops	"Drive" screen or "Map" screen	"Stops" tab selected	- Switched to "Stops" screen - "Stops" screen shows list of all stops	
#IC_B5: Receiving Custom Stop Request	#SF_B5: Receive Custom Stop Request	"Drive" screen or "Map" screen or "Stops" screen	List of Custom Stops from server	- App shows a notification - "Drive" screens "new custom stops" tab shows a list of new Custom Stops	
#IC_B5: Receiving a Custom Stop	#SF_B9: Respond to Custom	"Drive" screen	User accepts / declines Custom Stop	- Custom Stop is moved to accepted Custom Stops - Custom Stop Status update is	

Request	Stop Request #SF_B3.3: Send Custom Stop status update to server			sent to server	
#IC_B6: Completing a Custom Stop	#SF_B10: Complete Custom Stop #SF_B3.3: Send Custom Stop status update to server	"Drive" screen	User marks Custom Stop as 'completed'	<ul style="list-style-type: none"> - Custom Stop disappears from the accepted Custom Stops list - Custom Stop Status update is sent to server 	