**LG Electronics – Vehicle Component Solutions**

**Development Center in Vietnam**

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**[Senior 3y] TECHNICAL EXAMINATION**

**Candidate Name: Date:**

**Position applying:**

**Duration: 30min**

**Exercise:**

* Make a checklist to test for **devices connection** feature as below.
* Then, choose one item in checklist to make Test cases accordingly.

**Function**: **devices connection**

Device B

Device A

Device C

**Description**:

* Device A is called **Master** device, Device B and C are called **Slave** device
* People can plug-in any slave device to device A anytime
* Maximum 2 slave devices can connect with master device A but only 1 slave device can transfer data at the same time
* If Slave devices are the same type, only the first device plug-in have permission to transfer data.
* If Slave devices are the different type, transfer data active for the last device is plug-in
* If transfer data process is interrupted. An message display said “Transfer data interrupted by other device”
* If un-plug a Slave device while transferring data, the rest device can transfer data normally.
* In an hour, connection between Master and Slave disconnected if have no any data transferred.

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**[Senior] TECHNICAL EXAMINATION #1**

**Candidate Name: Date:**

**Position applying:**

**Duration: 30 mins**

**Question:**

* Make a checklist to test for share **wifi hotspot** featureas requirement below.
* Then, choose one item in checklist to make Test cases accordingly.

**Function**:

You want to share wifi hotspot via mobile phone.

1. It needs to be encrypted by a password as below rules:

+ Number of letter is from 8 to 16

+ Contain both characters, numbers (special characters is not allowed)

1. Hotspot disconnected by itself if have no any device connect after 15 minutes or out of data
2. Hotspot can share to maximum 8 devices at the same time.
3. During device share hotspot to each other, it is still can use 3G/4G normally
4. Total network capacity is 2GB for each time purchase 3G/4G. If 2GB used, all devices will be disconnected wifi-hotpost and a pop-up “**You used 2GB, to continue use network please purchase 2GB only 10$**” will be displayed

**Precondition:**

During testing for the system above, you can:

1. Your phone have SIM 3G/4G data.
2. Can add money for SIM card to buy Data
3. If your device’s balance is not enough money, you cannot purchase 3G/4G