**Assignment # 1: write a testcase to test a smartphone**

**Objective :** This Projects Aims to test different functionalities of smartphone (having keypad ) .

Different testing methods and level of testing are use to test a smartphone . The testing will be condunted on both hardware and software .

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| Test Case Template | |
| Test case Id : 1 | Test Designed by: Shravani L. bhatkar |
| Test Priority ( Low/Medium/High) : Medium | Test Designed Date:11/08/2023 |
| Smartphone : Redmi | Test Executed by:Shravani L. bhatkar |
|  | Test Execution Date:11/08/2023 |
| Test Title : To test whether smartphone function properly or not . | |
| Description : Test different functionality of smartphone such calling, messaging, charging and so on. | |

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| **Sr No.** | **Test Feature** | **Test steps** | **Expected result** | **Actual result** | **Status-P/F** |
| 1) | App switching | verify multiple apps, use a recent apps button to switch between apps. | The device switches between open apps. | The device switches between open apps using the recent apps feature. |  |
| 2) | screen rotation | verify app that supports screen rotation, rotate the device to landscape and then Back to portrait orientation. | The app transitions between landscape and portrait modes. | The app switches between landscape and portrait modes as the device is rotated. |  |
| 3) | App installation | Verify by installing the mobile app from google play store/app store. | The mobile app should be installed successfully. | The app is successfully installed without any issue. |  |
| 4) | Text message | verify the messaging app, select a contact, compose a text message and send a message. | The message is composed and sent successfully to the selected contact. | The message is composed and sent to the chosen contact without any problems. |  |
| 5) | Unlocking fingerprint | Press the power button to activate the screen, place a fingerprint on a sensor. | The device unlocks and goes to the home screen. | The device unlocks using the fingerprint sensor and displays the home screen. |  |
| 6) | voice assistant | Activate the voice assistant , give a command. | The voice assistant respond with relevant information or requested action. | The voice assistant perfectly respond to the requested action. |  |
| 7) | Add a contact | Open a contacts app, tap a add contact option, enter a contact details, save the contact. | The contact details are entered and saved correctly. | Contact details are entered correctly and saved as intended. |  |
| 8) | App uninstallation | Go to device settings, navigate to app or app name, select uninstall. | The selected app is uninstalled and removed from the device. | The app is successfully uninstalled. |  |
| 9) | GPS navigation | Open a GPS navigation app, enter a destination and start navigation. | The navigation app provides directions and guides the user to the destination. | The navigation app successfully guides the user to the destination and directions. |  |
| 10) | Power on/off | Press and hold the power button, observe the device screen, press and hold the power button again to power off. | The device should power on/off smoothly without issues. The device responds to the power button press. | It should power on/off smoothly when the button is pressed and held. The power on/off features should be reliable and consistent. |  |

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| **Sr No.** | **Test Feature** | **Test steps** | **Expected result** | **Actual result** | **Status-P/F** |
| 11) | Screen Brightness | Open the device setting, navigate to display brightness, adjust the slider brightness. | The screen brightness changes according the slider position. | The screen brightness adjusts as expected based on the position. |  |
| 12) | Wi – Fi | Open a device and turn on the wifi and connect to a network. | The device connects to the selected wifi network. | The device successfully connects to the chosen wifi network. |  |
| 13) | Taking a photo | Open the camera app, preview and captured the photo. | A photo is taken, and the preview shows the captured image. | The photo is captured and preview displays the image correctly. |  |
| 14) | Phone call | Open phone app, dial a number and press call button, end the call after a few seconds. | The call is initiated, and the user can hear a ring tone. The call can be ended successfully. | The is initiated, the composed and sent to the chosen contact without any problems. |  |
| 15) | Charging | Plug in the charger to the device, wait for the device to charge to a certain level. | The charging icon is displayed, and the battery percentage increases. | The charging icon appears, and the battery percentage increases as expected. |  |
| 16) | Playing a video | Open the video player app, select and play a video file. Adjust volume and playback controls. | The video plays smoothly with adjustable volume and playback controls. | The video plays smoothly and volume control work as intended. |  |
| 17) | App permission | Navigate to apps permissions and manage app permissions. | App permission are displayed and can be managed for each app. | App permissions are shown, and users can manage permissions for individual app. |  |
| 18) | Bluetooth pairing | Navigate to the Bluetooth settings, turn on Bluetooth and pair the device with another Bluetooth device. | The devices successfully pair, and a connection is established. | The device pair successfully, and a functional Bluetooth connection is established. |  |
| 19) | flashlight | Open the flashlight option, tap on the option to turn on the flashlight and turn off the flashlight. | The flashlight should turn on and off providing a bright light. | The flashlight is on/off successfully. |  |
| 20) | Battery saver mode | Open the device settings, navigate to battery settings, enable battery saver mode. | Battery saver mode is activated, optimizing device performance to conserve battery life. | Battery saver mode is enabled, and the device’s performance is adjusted to extend b |  |

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| 21) | Screenshot | Press the designated screenshot buttons. | A screenshot is captured and saved in the devices gallery or screenshots folder. | A screenshot is successfully taken and saved in the gallery or designated folder. |  |
| 22) | High volume | Press the volume up button reaches the maximum level. | Playing a song should result in a clear or loud sound in a another room or 5 ft distance. | The volume is clear and high. |  |
| 23) | Language and keyboard settings | Open the device settings, change the device language and keyboard preferences. | The device language and keyboard settings are updated. | The device language and keyboard preferences are successfully updated. |  |
| 24) | Software update | Open the device settings, check and install available updated. | The device checks for updates and installs the latest available software. | The device settings updates and successfully installs the latest software version. |  |
| 25) | Airplane mode | Open device settings enable airplane mode. | The device enters airplane mode, disabling wireless connections. | Airplane mode is enabled, and all wireless connections are disabled. |  |
| 26) | Mute | Open a device and select a mute option | The device should allow mute. | The device is successfully mute. |  |
| 27) | low volume | Press and volume down button reaches the minimum level. | Playing a song should result in low volume. | The volume is low. |  |
| 28) | Screen recorder | Open the device settings and locate the screen recorder feature, enabled the screen recorder feature, Open the app or screen that you want to record. | The device screen recording should capture the recording. | The device successfully records the screen recording. |  |
| 29) | File sharing | Open the device, open file or media , share a file | The file is shared between devices. | The file is successfully tjshared. |  |
| 30) | wallpaper | Go to device setting, choose a wallpaper from available options. | The selected wallpaper is set as the device background. | The chosen wallpaper is successfully set As the devices background. |  |