**Drag & Drop:**

**//Locate 3rd element(Chick Corea) from list to drag.**

WebElement **ele1** = (WebElement) driver.findElementsById("com.mobeta.android.demodslv:id/drag\_handle").get(2);

**//Locate 6th element to drop dragged element.**

WebElement **ele2** = (WebElement) driver.findElementsById("com.mobeta.android.demodslv:id/drag\_handle").get(5);

**//Perform drag and drop operation using TouchAction class.**

**//Created object of TouchAction class.**

TouchAction action = new TouchAction((MobileDriver) driver);

System.out.println("It Is dragging element.");

**//It will hold tap on 3rd element and move to 6th position and then release tap.**

action.longPress(**ele1**).moveTo(**ele2**).release().perform();

System.out.println("Element has been droped at destination successfully.");

}

**Swipe:**

**//Create object of TouchAction class.**

TouchAction action = new TouchAction((MobileDriver)driver);

**//Find element to swipe from right to left.**

WebElement ele1 = (WebElement) driver.findElementsById("com.fortysevendeg.android.swipelistview:id/front").get(3);

**//Create swipe action chain and perform horizontal(right to left) swipe.**

**//Here swipe to point x1 Is at left side of screen. So It will swipe element from right to left.**

action.longPress(ele1).moveTo(x1,580).release().perform();

**//Find element to swipe from left to right.**

WebElement ele2 = (WebElement) driver.findElementsById("com.fortysevendeg.android.swipelistview:id/back").get(3);

**//Create swipe action chain and perform horizontal(left to right) swipe.**

**//Here swipe to point x2 Is at right side of screen. So It will swipe element from left to right.**

action.longPress(ele2).moveTo(x2,580).release().perform();

}

Scroll Down:

**//Scroll till element which contains "Views" text If It Is not visible on screen.**

driver.scrollTo("Views");

**// Click on Views/.**

driver.findElement(By.name("Views")).click();

System.out.println("Scrolling has been started to find text -> Tabs.");

**// Scroll till element which contains Tabs text.**

driver.scrollTo("Tabs");

System.out.println("Tabs text has been found and now clicking on It.");

**// Click on Tabs.**

driver.findElement(By.name("Tabs")).click();

}

Multi touch

size = driver.manage().window().getSize();

**//Get X Y Coordinates for touch action 1(Top left side).**

int x1 = (int) (size.width \* 0.20);

int y1 = (int) (size.height \* 0.20);

**//Get X Y Coordinates for touch action 2(Top right side).**

int x2 = (int) (size.width \* 0.80);

int y2 = (int) (size.height \* 0.20);

**// Create object of MultiTouchAction class.**

MultiTouchAction maction = new MultiTouchAction((MobileDriver) driver);

**// Set touch action1 on given X Y Coordinates of screen.**

TouchAction action1 = new TouchAction((MobileDriver) driver).longPress(x1, y1).waitAction(1500);

**// Set touch action2 on given X Y Coordinates of screen.**

TouchAction action2 = new TouchAction((MobileDriver) driver).longPress(x2, y2).waitAction(1500);

**// Generate multi touch action chain using different actions and perform It.**

maction.add(action1).add(action2).perform();

}

**Screen orientation**

LANDSCAPE to PORTRAIT :  
driver.rotate(org.openqa.selenium.ScreenOrientation.PORTRAIT);  
  
PORTRAIT to LANDSCAPE :  
driver.rotate(org.openqa.selenium.ScreenOrientation.LANDSCAPE);

JIRA Defect flow:

