**Answer 1**

**1: Using the database and the GUI, how would you test the functionality of this form?**

**POSITIVE TEST CASES:**  
**1:** Test, users can select the base currency from the base currency dropdown or not.

**2:** Test, users can select the target currency from the target currency dropdown or not.  
**3:** Test, user can enter currency inside the “amount to enter” field or not.

**4:** Test, user can select the checkbox of “commission” field or not.  
**5:** Test, “convert” button is clickable or not.

**6:** Test after clicking on convert button, the converted currency values are appearing inside the target currency field or not.

**7:** Test, appearing “close” button is clickable or not.

**8:** Test, appearing minimize icon / maximize icon/ cross button is working as expected or not.

**9:** Test, appearing all the tabs like: maintenance/Help/Exit all are clickable or not.

**10:** Test, is there any sub sections available inside the given tabs or not. If “yes” then test, all the sub sections are clickable or not.  
**11:** Test after clicking on convert button, the converted currency values are appearing inside the target currency field or not. (WITH OR WITHOUT CHECKBOX)  
**12:** Verify that, the updated/converted currency and all available field on the UI are synced with the database as well.

**13:** Verify that, the user can access the database and check the updated currency or related field on the database.

**14:** Stop the process of exchange rates for any recognised currencies and then check the user can convert the currency or not.

**15:** Start again the process of exchange rates for any recognised currencies and then check the user can convert the currency or not

**NEGATIVE TEST CASES:**  
**1:** Try to select multiple base currency from the base currency dropdown.

**2:** Try to select multiple target currency from the target currency dropdown.  
**3:** Try to select “same” base currency and target currency and then try to convert the amount.

**4:** Blank base currency and select any currency in target field with amount to convert field and then try to convert the amount.

**5:** Select base currency and blank target currency field with amount to convert field and then try to convert the amount.

**6:** Blank both fields (base/target) and with amount to convert field then try to convert the currency.  
**7:** Select both field (base/target) with amount to convert filed and the try to convert the amount.  
**8:** By using test (4/5/6/7) we can create multiple scenarios.

**9:** Perform multiple click operation on checkbox / convert button.

**10:** Test, amount to target currency field with blank field (base/target/amount to convert)  
**11:** Test the database with blank field scenarios and verify that, nothing should going to be synced in this case. (Eg: 4/5/6/7/10)  
**12:** Try to access the database with multiple users at a same time.

**13:** Try to access the database with in number of available users (load test)  
**14:** Try to access the database with beyond the numbers of available users (Stress test)

1. **What tests would you perform to test the operations supported by the “Maintain currencies” form?**

**POSITIVE TEST CASES:  
1:** Verify that, user can add/delete or edit the new currencies in base currency and target currency as well.  
**2:** Verify that, added/deleted/edited currencies should also synced with the database or not.  
**NEGATIVE TEST CASES:**  
**1:** Try to add already existing currency in base currency and target currency.  
**2:** Try to delete all the existing currencies from base and target currency fields.(that might be possible or might not be)  
**3:** Try to edit already existing currency with blank value/ numeric values/special characters…etc  
**4:** Verify test(1/2/3) with database to check syncing. (Note: It should not be synced with all above negative scenarios)

1. **What tests would you perform to test the operations supported by the “Maintain commission rates” form?**

**1:** Verify the commission rates with minimum commission value.  
**2:** Verify the commission rates with maximum commission value. (If max commission value logic available)  
**3:** Verify with equivalence partitioning by converting a large range to rage of smaller class.  
**4:** Perform BVA for the same.

1. **What tests would you perform on the form above in order to test accessibility?**  
   **1:** Verify that, user can fill the form by using keyboard/mouse/trackpad or touch screen.  
   **2:** Verify the text sizing/ style displacement.  
   **3:** Verify the voice instructions are proper (if available)  
   **4:** Verify responsiveness of the application.  
   **5:** Application/ software should work in Desktop/mobile/ tablets.
2. **If you were automating the testing of this form for regression test purposes, what would you hope the developer had done that would make the automation easier?**  
   **1:** All available dropdowns should work.  
   **2:** All available fields which required input, should work properly.  
   **3:** Commission checkbox should clickable.  
   **4:** Convert button should clickable and perfom the operation properly.  
   **5:** Close button should work as expected.  
   **6:** A positive work flow (basic and main functionality) should work properly.
3. **If this application were used internationally, what further tests would you perform?**  
   **1:** International currency should be available in both dropdowns(base/target)  
   **2:** International user should add international currency as well, if not available.  
   **3:** Currency value in database, with exchange rates for any recognised currencies should increase or decrease as per the real time scenario or not.
4. **The screenshot of the form above shows what user interface issues are immediately apparent (you may have mentioned some of these in previous answers)?**  
   **1:** Text at header “Currency convert” is not clear.  
   **2:** Multiple close buttons are available.(not relevant)  
   **3:** “Amount in target currency” field should also have separate output box and also should have read only mode only.  
   **4:** “Currency conversion” text should be appear inside the given outline or outside the give outline on the UI.  
   **5:** “Amount to convert” field’s box size should be same as base currency/target currency.