



## TESTING PLAN

- **Sanctuary Interface**
  - testGetSanctuaryName() ---> expected "Jungle Friends Primates Sanctuary"
  - testGetTotalCages() ---> expected: 10 (Total number of Cages in that Sanctuary).
  - testGetTotalEnclosures() ---> expected: 10 (Total number of Enclosures in the Sanctuary).
  - testGetShoppingList() ---> expected: "Eggs" - 20, "Bananas" - 500, "Nuts" - 1000.
  - testSearchSpecies("Drill") ---> expected: returns enclosureID, and/or cageID or 0 (This species are not housed anywhere).
- **JungleFriends**
  - testGetNumRemaning() ---> expected: return number of remaining enclosures or cages (uses dynamic dispatch).
  - testGetFoodQuantity("Eggs") ---> expected: return the Quantity.
  - testSearchFood("burgers") ---> expected: return name, quantity if present in foodDetails; or "Food Item not available".
  - testAddFoodDetails("nuts") --> expected: added food to foodDetails.
- **Housing**
  - testGetEnclosureList() ---> expected: ["ENC-01", "ENC-02", "ENC-03", ...]
  - testGetIsolationList() ---> expected: ["CAGE-01", "CAGE-02", "CAGE-03", ...]
  - testExpand(2) ---> expected: add +2 to totalCages/totalEnclosures variable (uses dynamic dispatch).
- **Enclosure**
  - testReconfigure("ENC-09") ---> expected: previous species - "Drill", current species - "Spider".
  - testAddTroop() ---> expected: monkeyID 1 added to troop in enclosureID ENC-02.
  - testShiftToIsolation() ---> expected: monkeyID 12 shifted to CAGE-01.
  - testDecNumRemaining() ---> expected: decrease the remaining free enclosures/cages by 1.
  - testIncNumRemaining() ---> expected: increase the remaining free enclosures/cages by 1.
  - testGetSing() ---> expected: "Drill" - "ENC-01", "Spider": "ENC-03", "MangaBey": "ENC-04".
- **IsolationCage**
  - testShiftToEnclosure() ---> expected: monkeyID12 shifted to ENC-01.
  - test all the getter and setter methods with assertEquals and assertNotEquals.
  - testDecNumRemaining() ---> expected: decrease the remaining free enclosures/cages by 1.
  - testIncNumRemaining() ---> expected: increase the remaining free enclosures/cages by 1.
- **NWMonkeys**
  - tests all the getter and setter methods with assertEquals and assertNotEquals.