# **ECP, BVA, Risk Analysis for the collection of modules**

# Equivalence Class Partitioning (ECP):

1. **Valid Input Equivalence Class for Adding Data:**
   * Input: Click on the "Add Data" option.
   * Expected Outcome: It should open a page for adding data.
2. **Invalid Input Equivalence Class for Adding Data:**
   * Input: Attempt to add data with no input.
   * Expected Outcome: An error message should be displayed.
3. **Valid Input Equivalence Class for Personal Collection:**
   * Input: Select "Personal Collection" and add a personal dashboard.
   * Expected Outcome: The dashboard should be successfully added to the personal collection.
4. **Invalid Input Equivalence Class for Personal Collection:**
   * Input: Try to add a personal dashboard without providing a name.
   * Expected Outcome: An error message should prompt for a dashboard name.

# Boundary Value Analysis (BVA):

5. **Valid Boundary Test for Adding Data:**

* Input: Add the maximum allowed data.
* Expected Outcome: The system should accept and process the data without errors.

1. **Invalid Boundary Test for Adding Data:**
   * Input: Attempt to add data that exceeds the maximum allowed size.
   * Expected Outcome: The system should reject the data and provide an error message.
2. **Valid Boundary Test for Personal Collection:**
   * Input: Create the maximum allowed number of personal dashboards.
   * Expected Outcome: The system should allow the creation of the maximum number of dashboards.
3. **Invalid Boundary Test for Personal Collection:**
   * Input: Try to create one more personal dashboard after reaching the maximum allowed.
   * Expected Outcome: The system should reject the creation and provide an error message.

# Risk Analysis:

9. **Risk Test for Data Deletion:**

* Input: Attempt to delete data from the "Our Analytics" section.
* Expected Outcome: A confirmation dialog should appear to prevent accidental data deletion.

1. **Risk Test for Data Export:**
   * Input: Export sensitive data from "Personal Collection."
   * Expected Outcome: The system should request user authentication before allowing data export.
2. **Risk Test for Data Access:**
   * Input: Try to access "Our Analytics" data without appropriate permissions.
   * Expected Outcome: The system should deny access and display an access denied message.
3. **Risk Test for Data Sharing:**
   * Input: Try to share sensitive data from the personal collection with unauthorized users.
   * Expected Outcome: The system should prevent the sharing and provide an error message.