**Updated Knowledge Transfer Document: BasePageObject**

**Purpose:**  
The BasePageObject is a foundational class designed to include frequently used generic keywords for web application testing. It provides reusable, high-level actions for interacting with web elements, ensuring consistency, maintainability, and efficiency in test automation.

**Updated Key Functionalities**

The following table lists all keywords provided by the BasePageObject, including the newly added ones:

| **Keyword** | **Description** |
| --- | --- |
| **Input Text** | Enters text into an input field. |
| **Click Element** | Clicks on a specified web element. |
| **Click Button with Screenshot** | Clicks a button and captures a screenshot after the action. |
| **Click Element with Description** | Clicks an element and logs a custom description of the action. |
| **Take Screenshot** | Captures a screenshot of the current browser window. |
| **Drag and Drop Element** | Drags one element and drops it onto another. |
| **Mouse Move to Element** | Moves the mouse pointer to a specific element. |
| **Action with Keys** | Performs keyboard actions like pressing Enter, Tab, or other key events. |
| **Double Click** | Performs a double-click action on an element. |
| **Switch Windows** | Switches the focus to a new browser window or tab. |
| **Close Current Window** | Closes the currently active browser window or tab. |
| **Is Enabled** | Checks if an element is enabled and returns a boolean result. |
| **Is Displayed** | Checks if an element is visible on the page and returns a boolean result. |

### ****Example Implementation of BasePageObject****

**Advantages of the Enhanced BasePageObject**

1. **Improved Debugging:**
   * Keywords like Click Element with Description provide detailed logs for easier issue tracking.
2. **Enhanced Testing Coverage:**
   * Additional functionalities like Is Enabled and Is Displayed support advanced validation scenarios.
3. **Simplified UI Interactions:**
   * High-level actions reduce the complexity of writing test scripts.
4. **Automation-Friendly:**
   * Keywords like Click Button with Screenshot help capture real-time evidence of test execution.

**Conclusion**

The updated **BasePageObject** utility provides a comprehensive set of reusable keywords that simplify UI interactions and validation for test automation. These enhancements enable the framework to handle a wider range of scenarios while maintaining ease of use and efficiency.