Advanced GUI Programming Guideline

- **Class structuring**
  - GUI class
    - Control configuration
    - Control visibility
    - Control validations [using validation rules of dev extreme]
    - Object creation [only GUI related]
    - oEntry access or set GUI related properties
  - Process class
    - Default process properties/URLs
    - Set properties
    - Prepare models
    - Validations [using value of controls from oPHolder → saveModel or oEntry]: might return error code/message to GUI class
    - Object creation [only Process related]
    - oEntry assignment for save model fields
  - Setup class
    - Default setup properties
  - Navigation class
    - Caller of GUI/Process class will behave as navigator class
    - Store and pass data to process class for further storage
    - Prepare default models, load setup, prepare process and GUI class objects

- **Method and variable signature**
  - Methods
    - **'PascalCase'**
    - Must not include GUI events in process class names
    - Must include multiline comments above every method
      - Caller method and class
      - Purpose of method
      - Parameters: names and purpose
      - Return value
    - Must specify event, action object, purpose. If long names then may use valid abbreviations
      - Ex. SetExpAccOnEffChange
        - Event: Effect change
        - Process: Set expense accounts
        - Action Object: Expenses
    - In logic execution, check logical condition first
      - Ex.
        - Right: If (isTDS && tdsAccVal === '1' && appDate <= '26/12/2022')
        - Wrong: If (appDate <= '26/12/2022' && tdsAccVal === '1' && isTDS)
    - Include async-await only if needed
      - Async is needed only in case any process is awaited in method
      - Await is needed only if any server call response is pending
  - Variables
    - **'camelCase'**
    - Must start with is/has if Boolean value variable
    - Must specify change event, purpose
      - Ex. selDataOnPLChng
        - Change event: Pricelist change
        - Purpose: Store new selected data