Assisting Companies Leverage Investments in SAP Solutions

Homework Lection 6

TODO

- Please revise all your OO knowledge(articles in the WEB etc)
- Please create new report ZXXX_HW6 which should:
  - Have selection screen with all the fields from the main table as SELECT-OPTIONS
  - Read data from the main table + text + vendor/customer name
  - Display selected information using simple write
- Important: all the data must be selected and displayed with help of classes and using singleton and MVC patterns. Report ZLX_CW6_MVC might be used as an example.
  - Create class ZCL_XXX_HW6_MDL as a singleton assuming this is a model with private attribute for storing data in the buffer
  - Create class ZCL_XXX_HW6_CNT assuming this is a controller with one event "SHOW_DATA" (with import parameter to be shown) and one method "START_OF_SELECTION"
    - Model class should be a private attribute of this controller class
    - Also create setter\getter methods for this private attribute
    - Event "SHOW_DATA" should be raised from the method "START_OF_SELECTION"
- Create an interface ZIF_XXX_HW6_VIEW (alternatively you may create ZCL_XXX_HW6_ABS_VIEW abstract class and use inheritance) assuming this is an interface with event handler "ON_SHOW_DATA" for event "SHOW_DATA" of the controller class
- Create class ZCL_XXX_HW6_VIEW_WRITE assuming this is a view class and implement interface ZIF_XXX_HW6_VIEW. In event handler method "ON_SHOW_DATA" write code for presenting data on the screen using WRITE statement (in further home works you will create other classes for different methods of presenting data on the UI).
- Create class ZCL_XXX_HW6_VIEW_FACTORY assuming this is a factory for generation an instance of the view class.
  - Factory class should contain static method "GET_VIEW" which has 1 input parameter as a name of View class and according the value of input parameter returns View instance
- Instantiate controller class in your report, use factory for creation instance of View class and set view object as event handler for Controller
- Instantiate the Model and link it with Controller by setter method
- Call CNT->START_OF_SELECTION on appropriate selection event passing the data inside
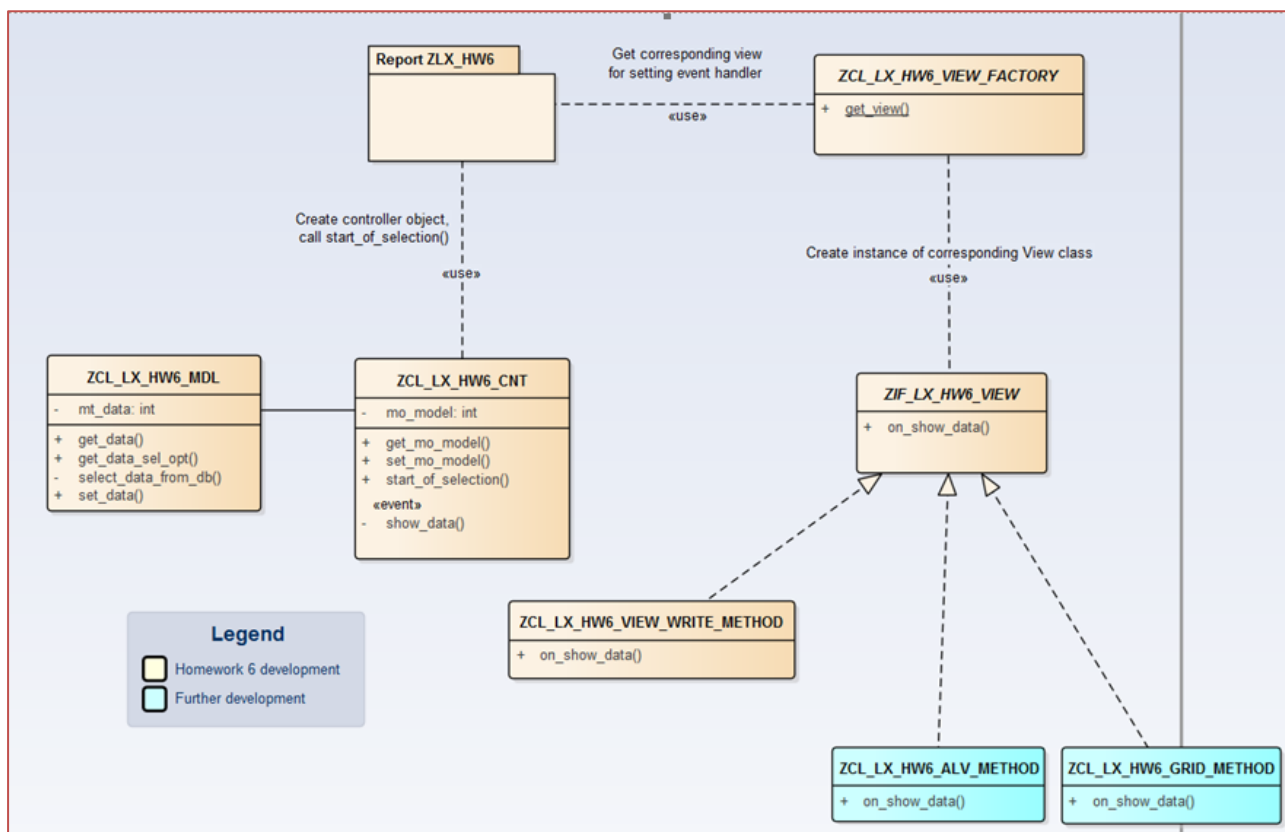- Install Adobe Lifecycle Designer (ADS) version 8+

LeverX

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Figure 1: UML Class diagram for the HW

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TO READ

- Related SAP HELP (http://help.sap.com/) links:
    - Class builder
- SCN links:
    - Singleton pattern
    - Singleton pattern in WDA