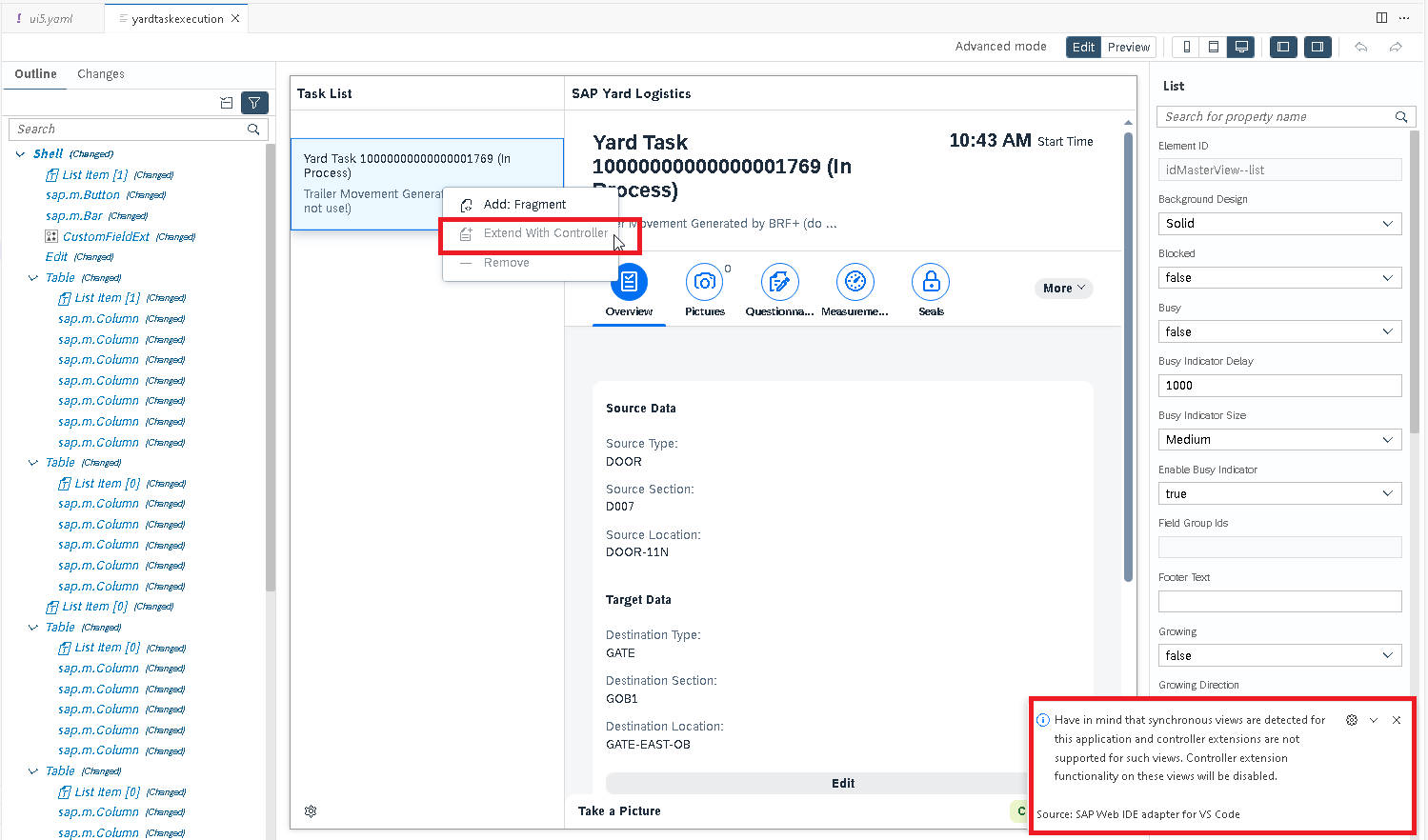
Fiori Adaptation Project

There are differences between the WebIDE and the BAS version. The WebIDE has more capabilities at the present moment for Adaptation Projects, example:



WebIDE:

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Here a copy of the original controller was made and with that we can add new code to the controller.

PS: after support package or note implementation around these objects, the code will be lost.

You can use the WebIDE Wizards and then copy the code to BAS (**SAPUI5 Adaptation Project without SAFE MODE):**

|  |
| --- |
| {  "\_version": "1.1.0",  "sap.app": {  "\_version": "1.1.0",  "id": "com.sap.cd.yl.ui.manage.tasks.SAPYLUIYTASKExtension",  "type": "application",  "applicationVersion": {  "version": "1.0.0"  },  "title": "{{FULLSCREEN\_TITLE}}"  },  "sap.ui": {  "\_version": "1.1.0",  "technology": "UI5",  "icons": {  "icon": "sap-icon://detail-view",  "favIcon": ""  },  "deviceTypes": {  "desktop": true,  "tablet": true,  "phone": true  },  "supportedThemes": []  },  "sap.ui5": {  "\_version": "1.1.0",  "dependencies": {  "minUI5Version": "1.42.0"  },  **"extends": {**  **"component": "com.sap.cd.yl.ui.manage.tasks",**  **"extensions": {**  **"sap.ui.controllerExtensions": {**  **"com.sap.cd.yl.ui.manage.tasks.view.Master": {**  **"controllerName": "com.sap.cd.yl.ui.manage.tasks.SAPYLUIYTASKExtension.view.MasterCustom"**  **}**  **},**  **"sap.ui.viewReplacements": {**  **"com.sap.cd.yl.ui.manage.tasks.view.Master": {**  **"viewName": "com.sap.cd.yl.ui.manage.tasks.SAPYLUIYTASKExtension.view.MasterCustom",**  **"type": "XML"**  **}**  **}**  **}**  **},**  "contentDensities": {  "compact": true,  "cozy": true  }  }  } |

A screenshot of a computer

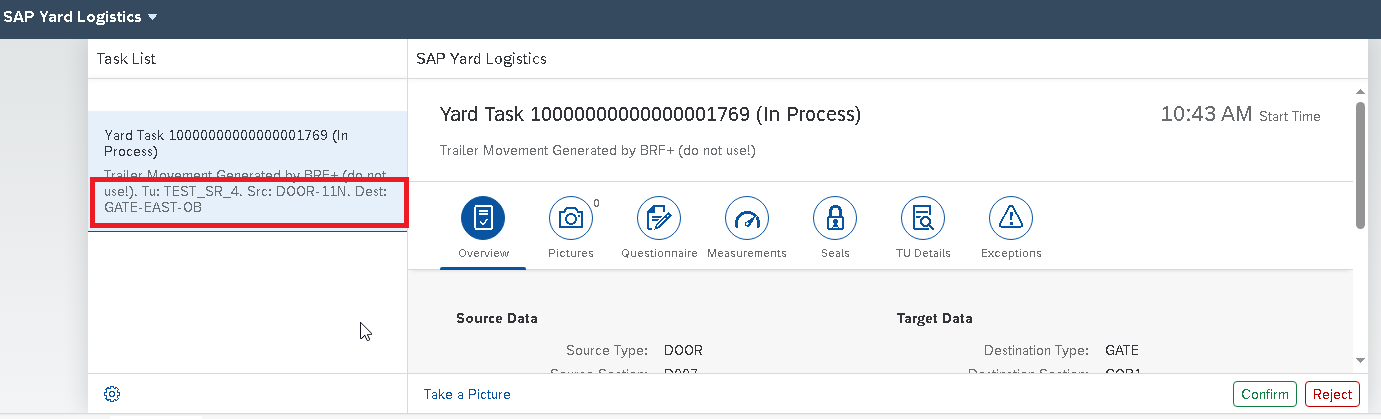
Description automatically generated

|  |
| --- |
| <mvc:View controllerName="com.sap.cd.yl.ui.manage.tasks.view.Master" xmlns="sap.m" xmlns:core="sap.ui.core" xmlns:mvc="sap.ui.core.mvc"      xmlns:footerbar="sap.ushell.ui.footerbar">      <Page id="masterPage" title="{i18n>TASK\_LIST\_TITLE}">          <subHeader id="masterSubHeader">              <Bar id="searchBar">                  <contentMiddle>                      <SearchField id="searchField" search="onSearch" width="100%" showRefreshButton="true"></SearchField>                  </contentMiddle>              </Bar>          </subHeader>          <!--The ONLY Custom Code is at: footerText-->          <content>              <List id="list" select="onSelect" mode="{device>/listMode}"></List>          </content>          <footer id="masterFooter">              <Toolbar id="masterToolbar">                  <content>                      <Button id="idButSetting" icon="sap-icon://action-settings" press="handleSettingsPress" tooltip="{i18n>DIA\_SETTING\_TITLE}"/>                  </content>              </Toolbar>          </footer>      </Page>  </mvc:View> |

New Code was added with commentary : Custom Code

|  |
| --- |
| sap.ui.controller("customer.yardtaskexecution3.view.MasterCustom", {      YardMod: new sap.ui.model.json.JSONModel(),      ResourceMod: new sap.ui.model.json.JSONModel(),      yardId: null,      handlingResource: null,      sTab: "overview",      oPersonalizationLoadFinishedDeferred: null,      oInitialLoadFinishedDeferred: null,      Param: {},      oItemTemplate: null,      isManualTaskSelection: false,      bInitialLoaded: false,      bConfirmed: false,      oBusyDialog: null,      oUtil: null,      oConstant: null,      sUser: null,      timeOut: null,      bPerInitial: true,      bDefaultValue: "",      oList: null,      oSearchBar: null,      searchString: null,      bRefresh: false,      onInit: function () {          var oEventBus = this.getEventBus(),              oList = this.getView().byId("list");          this.oBusyDialog = new sap.m.BusyDialog();          this.oUtil = new com.sap.cd.yl.ui.manage.tasks.util.Utility();          this.oConstant = com.sap.cd.yl.ui.manage.tasks.util.Constant;          this.oPersonalizationLoadFinishedDeferred = jQuery.Deferred();          this.oInitialLoadFinishedDeferred = jQuery.Deferred();          this.\_checkIsManualSelectionMode();          this.\_prepareListTemplate();          oEventBus.subscribe("Detail", "TabChanged", this.onDetailTabChanged, this);          oEventBus.subscribe("Detail", "Changed", this.onDetailChanged, this);          oEventBus.subscribe("Detail", "NotFound", this.onNotFound, this);          oEventBus.subscribe("Detail", "TaskConfirmedDesktop", this.onTaskConfirmedDesktop, this);          oEventBus.subscribe("Detail", "LoadNextTaskQueue", this.loadNextTaskQueue, this);          oEventBus.subscribe("Detail", "clearTimeOut", this.clearTimeOut, this);          oEventBus.subscribe("Detail", "loadTask", this.onLoadTask, this);          oEventBus.subscribe("Detail", "RefreshAction", this.onRefresh, this);          oEventBus.subscribe("Detail", "taskStartedRefresh", this.onRefreshStatus, this);          oList.attachEvent("updateFinished", function () {              if (!sap.ui.Device.system.phone) {                  var oList = this.getView().byId("list");                  var aItems = oList.getItems();                  var selectedItem\_now = oList.getSelectedItem();                  var selectedItem = null;                  for (var i = 0; i < aItems.length; i++) {                      if (aItems[i].getBindingContext().getObject("Key") === this.TaskKey) {                          selectedItem = aItems[i];                          if (selectedItem\_now == selectedItem) {                              break;                          }                          oList.setSelectedItem(aItems[i], true);                          aItems[i].firePress();                          break;                      }                  }                  if (!selectedItem) {                      this.selectFirstItem();                  }              } else {                  if (!this.bInitialLoaded) {                      this.selectFirstItem();                  }              }              this.oInitialLoadFinishedDeferred.resolve();              oEventBus.publish("Master", "InitialLoadFinished");          }, this);          this.getRouter().attachRoutePatternMatched(this.onRouteMatched, this);      },      onRefreshStatus: function (sChannel, sEvent, oData) {          this.TaskKey = oData.Key;          var list = this.getView().byId("list");          var path = list.getSelectedItem().getBindingContext().getPath();          if (list.getModel().sChangeKey) {              list.getModel().sChangeKey = undefined;          }          list.getModel().setProperty(path + "/LifecycleStatus", oData.LifecycleStatus);          list.getModel().setProperty(path + "/LifecycleStatusDesc", oData.LifecycleStatusDesc);      },      onLoadTask: function (sChannel, sEvent, oData) {          if (!this.oPersonalizer) {              this.\_getPersonalizationAndFilter();          }          this.\_checkIsManualSelectionMode();          this.oList = oData.oList;          this.oSearchBar = oData.oSearchBar;          this.searchString = oData.searchString;      },      onRefresh: function () {          this.bRefresh = true;      },      \_getUser: function () {          this.getView().getModel().read(this.oConstant.path.sapUserPath, undefined, undefined, false, jQuery.proxy(function (oData, response) {              this.sUser = oData.GetSAPUser.User;          }, this), jQuery.proxy(function (oError) {              var message = this.oUtil.processErrorObj(oError);              this.oUtil.ErrorDialog(message);          }, this));      },      \_prepareListTemplate: function () {          var oController = this;          this.oItemTemplate = new sap.m.StandardListItem({              title: {                  parts: [{                      path: "LifecycleStatusDesc"                  }, {                      path: "i18n>HDR\_YARD\_TASK\_LABEL"                  }, {                      path: "YardTaskNo"                  }],                  formatter: com.sap.cd.yl.ui.manage.tasks.util.Formatter.lcStatus              },              //Custom Code Begin              /\* description: {                  parts: [{                      path: "ActivityType"                  }, {                      path: "ActivityTypeDesc"                  }, {                      path: "CustDesc"                  }],                  formatter: com.sap.cd.yl.ui.manage.tasks.util.Formatter.activityType              }, \*/              /\* activityType: function(sId, sDesc, cDesc) {              return ((sDesc === "") ? sId + cDesc : sDesc + cDesc);              } \*/              description: "{= ${ActivityTypeDesc} === '' ? ${ActivityType} + ${CustDesc} + '. Tu: ' + ${Tu} + '. Src: ' + ${StorBinsrc} + '. Dest: ' + ${StorBindst}: ${ActivityTypeDesc} + ${CustDesc} + '. Tu: ' + ${Tu} + '. Src: ' + ${StorBinsrc} + '. Dest: ' + ${StorBindst}}",              //Custom Code End              type: "Active",              press: [                  oController.onSelect,                  oController              ],              highlight: "{= ${MaxPriorityIndicator} === 'X' ? 'Error' : 'None'}",              info: "{= ${MaxPriorityIndicator} === 'X' ? ${i18n>TU\_TXT\_HIGH\_PRIORITY} : ''}",              infoState: "{= ${MaxPriorityIndicator} === 'X' ? 'Error' : 'None'}",              infoStateInverted: true,              wrapping: true          });      },      \_checkIsManualSelectionMode: function () {          this.isManualTaskSelection = jQuery.sap.getUriParameters().get("manualTaskSelection") === "true" ? true : false;          if (!this.isManualTaskSelection) {              if (window.location.hash.indexOf("manualTaskSelection=true") !== -1) {                  this.isManualTaskSelection = true;                  clearTimeout(this.timeOut);              }          }      },      \_getPersonalizationAndFilter: function () {          var oPersId = {              container: "TasksCustomization",              item: "settings"          };          try {              this.oPersonalizer = sap.ushell.Container.getService("Personalization").getPersonalizer(oPersId);              this.oPersonalizer.getPersData().done(this.retrievePersonalizedData.bind(this)).fail();          } catch (oExc) {              jQuery.sap.log.error("Fetching failed");          }      },      retrievePersonalizedData: function (data) {          if (data && data.yard) {              this.Param = data;              this.oPersonalizationLoadFinishedDeferred.resolve();          } else {              this.handleSettingsPress();          }      },      setPersonalization: function () {          this.oPersonalizer.setPersData(this.Param).done(function () {}).fail(function () {              jQuery.sap.log.error("Writing personalization data failed.");          });      },      loadNextTaskQueue: function (sChannel, sEvent, oData) {          this.bInitialLoaded = false;          this.bConfirmed = true;          this.\_reloadTasksList();      },      onRouteMatched: function (oEvent) {          var sName = oEvent.getParameter("name");          if (this.bRefresh) {              this.TaskKey = oEvent.getParameters().arguments.task\_guid;          }          if (sName !== "main" && !this.bRefresh) {              return;          }          this.bRefresh = false;          if (!this.sUser) {              this.\_getUser();          }          if (this.bPerInitial) {              this.\_getPersonalizationAndFilter();          }          this.bPerInitial = false;          jQuery.when(this.oPersonalizationLoadFinishedDeferred).then(jQuery.proxy(function () {              this.\_reloadTasksList();          }, this));      },      \_reloadTasksList: function () {          var searchString = "";          var oList;          if (this.getOwnerComponent()) {              var View = this.getOwnerComponent().getRouter().getView("com.sap.cd.yl.ui.manage.tasks.view.Master"),                  oSearchBar = View.byId("searchBar");              oList = View.byId("list");              if (this.isManualTaskSelection) {                  searchString = View.byId("searchField").getValue();              }          } else {              oList = this.oList;              oSearchBar = this.oSearchBar;              if (this.isManualTaskSelection) {                  searchString = this.searchString.getValue();              } else {                  searchString = "";              }          }          if (this.Param.yard && this.Param.resource) {              var oFilter = new sap.ui.model.Filter("YardNo", sap.ui.model.FilterOperator.EQ, this.Param.yard),                  oFilter3 = new sap.ui.model.Filter("YardTaskNo", sap.ui.model.FilterOperator.Contains, searchString),                  oFilter2 = new sap.ui.model.Filter("HandlingResource", sap.ui.model.FilterOperator.EQ, this.Param.resource);          } else {              oFilter = new sap.ui.model.Filter("YardNo", sap.ui.model.FilterOperator.EQ, "");              oFilter3 = new sap.ui.model.Filter("YardTaskNo", sap.ui.model.FilterOperator.Contains, searchString);              oFilter2 = new sap.ui.model.Filter("HandlingResource", sap.ui.model.FilterOperator.EQ, "");          }          if (this.isManualTaskSelection) {              oSearchBar.setVisible(true);              oList.bindItems({                  //Custom Code Begin                  // path: this.oConstant.path.taskByManualPath,                  path: '/ZYardTaskNoSHSet',                  //Custom Code End                  filters: [                      oFilter,                      oFilter2,                      oFilter3                  ],                  template: this.oItemTemplate              });              if (this.Param.timeout !== "" && this.Param.timeout) {                  var that = this;                  that.timeOut = setTimeout(function () {                      that.bInitialLoaded = false;                      that.\_reloadTasksList();                  }, this.Param.timeout);              }          } else {              oSearchBar.setVisible(false);              oList.bindItems({                  path: this.oConstant.path.taskQueryPath,                  filters: [                      oFilter,                      oFilter2                  ],                  template: this.oItemTemplate,                  length: 1              });              if (this.Param.timeout !== "" && this.Param.timeout) {                  var that = this;                  that.timeOut = setTimeout(function () {                      that.bInitialLoaded = false;                      that.\_reloadTasksList();                  }, this.Param.timeout);              }          }      },      onTaskConfirmedDesktop: function (sChannel, sEvent, oData) {          this.\_reloadTasksList();      },      clearTimeOut: function (sChannel, sEvent, oData) {          clearTimeout(this.timeOut);      },      onDetailChanged: function (sChanel, sEvent, oData) {          var sEntityPath = oData.sEntityPath;          this.waitForInitialListLoading(function () {              var oList = this.getView().byId("list");              var oSelectedItem = oList.getSelectedItem();              if (oSelectedItem && oSelectedItem.getBindingContext().getPath() === sEntityPath) {                  return;              }              var aItems = oList.getItems();              for (var i = 0; i < aItems.length; i++) {                  if (aItems[i].getBindingContext().getPath() === sEntityPath) {                      oList.setSelectedItem(aItems[i], true);                      break;                  }              }          });      },      onDetailTabChanged: function (sChannel, sEvent, oData) {          this.sTab = oData.sTabKey;      },      loadDetailView: function () {          this.getRouter().myNavToWithoutHash({              currentView: this.getView(),              targetViewName: "com.sap.cd.yl.ui.manage.tasks.view.Detail",              targetViewType: "XML",              targetViewId: "idDetailView"          });      },      waitForInitialListLoading: function (fnToExecute) {          jQuery.when(this.oInitialLoadFinishedDeferred).then(jQuery.proxy(fnToExecute, this));      },      onNotFound: function (sChanel, sEvent, oData) {          this.getView().byId("list").removeSelections();      },      selectFirstItem: function () {          var oList = this.getView().byId("list");          var aItems = oList.getItems();          if (aItems.length) {              oList.setSelectedItem(aItems[0], true);              this.loadDetailView();              aItems[0].firePress();          } else {              if (this.bConfirmed) {                  sap.m.MessageToast.show(this.getView().getModel("i18n").getProperty("DIA\_CONFIRM\_WARNING"));              }              if (!sap.ui.Device.system.phone) {                  this.getRouter().navTo("taskNotFound", null, true);              } else {                  sap.m.MessageToast.show(this.getView().getModel("i18n").getProperty("NO\_TASKS\_AVAILABLE"));              }          }          this.bConfirmed = false;      },      onSearch: function () {          this.\_reloadTasksList();      },      onSelect: function (oEvent) {          this.showDetail(oEvent.getParameter("listItem") || oEvent.getSource());          this.bInitialLoaded = true;          this.TaskKey = oEvent.getSource() instanceof sap.m.StandardListItem ? oEvent.getSource().getBindingContext().getObject("Key") : oEvent              .getSource().getSelectedItem().getBindingContext().getObject("Key");      },      showDetail: function (oItem) {          var bReplace = jQuery.device.is.phone ? false : true;          this.sTab = "overview";          var oBindingObject = oItem.getBindingContext().getObject();          if (oBindingObject) {              if (oItem.getBindingContext)                  this.getRouter().navTo("detail", {                      from: "master",                      task\_guid: oBindingObject.Key,                      tab: this.sTab,                      yard: this.Param.yard,                      resource: this.Param.resource                  }, bReplace);          }      },      handleReset: function () {          this.Param = {};          sap.ui.getCore().byId("idInputTime").setValue("");          this.setPersonalization();          this.\_reloadTasksList();          this.\_oSettingsDialog.close();      },      handleSettingsPress: function () {          clearTimeout(this.timeOut);          this.bDefaultValue = this.getView().getModel("i18n").getProperty("DIA\_VALUE\_SETTING");          if (!this.\_oSettingsDialog) {              this.\_oSettingsDialog = sap.ui.xmlfragment("com.sap.cd.yl.ui.manage.tasks.fragment.Settings", this);              this.getView().addDependent(this.\_oSettingsDialog);          }          if (this.isManualTaskSelection) {              sap.ui.getCore().byId("idInputTime").setVisible(true);              sap.ui.getCore().byId("idLabelTime").setVisible(true);          } else {              sap.ui.getCore().byId("idLabelTime").setVisible(true);              sap.ui.getCore().byId("idInputTime").setVisible(true);          }          this.\_oSettingsDialog.setModel(this.YardMod, "YardModel");          this.\_oSettingsDialog.setModel(this.ResourceMod, "ResourceModel");          this.getView().getModel().read(this.oConstant.path.yardSHPAth, undefined, undefined, false, jQuery.proxy(function (oData, response) {              if (oData.results.length) {                  var newValueYard = {};                  newValueYard.YardNo = this.bDefaultValue;                  oData.results.unshift(newValueYard);              }              this.YardMod.setData(oData);          }, this), jQuery.proxy(function (oError) {              var message = this.oUtil.processErrorObj(oError);              this.oUtil.ErrorDialog(message);          }, this));          if (this.Param.timeout) {              sap.ui.getCore().byId("idInputTime").setValue(this.Param.timeout / 1000);          } else {              sap.ui.getCore().byId("idInputTime").setValue(this.oConstant.timeOut);          }          if (this.Param.yard) {              this.yardNo = this.Param.yard;              sap.ui.getCore().byId("selectYard").setSelectedKey(this.Param.yard);          } else {              if (sap.ui.getCore().byId("selectYard").getItems()[0]) {                  this.yardNo = sap.ui.getCore().byId("selectYard").getItems()[0].getKey();                  sap.ui.getCore().byId("selectYard").setSelectedKey(this.yardNo);              }          }          this.setResourceModel(this.yardNo);          if (this.Param.resource) {              sap.ui.getCore().byId("selectResource").setSelectedKey(this.Param.resource);          }          this.\_oSettingsDialog.open();      },      changeYard: function (oEvt) {          this.yardNo = sap.ui.getCore().byId("selectYard").getSelectedKey();          this.setResourceModel(this.yardNo);          this.getView().getModel().read(this.oConstant.path.resourceCheckPath, undefined, undefined, false, jQuery.proxy(function (oData,              response) {              this.checkDefaultHandlingRes(oData);          }, this), jQuery.proxy(function (oError) {              var message = this.oUtil.processErrorObj(oError);              this.oUtil.ErrorDialog(message);          }, this));      },      checkDefaultHandlingRes: function (oData) {          var yard = sap.ui.getCore().byId("selectYard").getSelectedKey();          for (var i = 0; i < oData.results.length; i++) {              if (oData.results[i].Uname === this.sUser && (oData.results[i].YardNo = yard)) {                  sap.ui.getCore().byId("selectResource").setSelectedKey(oData.results[i].HandlingResource);                  if (oData.results[i].SkipResourceSelection) {                      sap.ui.getCore().byId("selectResource").setEnabled(false);                  }              }          }      },      setResourceModel: function (yard) {          var sUrl = this.oConstant.path.handlingResourceSHSet.replace("{$}", yard);          var newValueRes = {};          if (yard === this.bDefaultValue) {              var oData = {};              oData.results = [];              newValueRes.HandlingResourceText = this.bDefaultValue;              newValueRes.Yardno = this.bDefaultValue;              newValueRes.HandlingResource = "";              oData.results.unshift(newValueRes);              this.ResourceMod.setData(oData);          } else {              this.getView().getModel().read(sUrl, {                  urlParameters: null,                  context: null,                  async: false,                  success: jQuery.proxy(function (oData, response) {                      if (oData && oData.results[0]) {                          newValueRes.HandlingResourceText = this.bDefaultValue;                          newValueRes.Yardno = this.bDefaultValue;                          newValueRes.HandlingResource = "";                          oData.results.unshift(newValueRes);                          this.ResourceMod.setData(oData);                          sap.ui.getCore().byId("selectResource").setEnabled(true);                      } else {                          sap.ui.getCore().byId("selectResource").setEnabled(false);                          this.ResourceMod.setData({});                          sap.m.MessageToast.show(this.getView().getModel("i18n").getProperty("NO\_RESOURCE\_MSG"));                      }                  }, this),                  error: jQuery.proxy(function (oError) {                      var message = this.oUtil.processErrorObj(oError);                      this.oUtil.ErrorDialog(message);                  }, this)              });          }      },      handleConfirm: function () {          this.bInitialLoaded = false;          var yard = sap.ui.getCore().byId("selectYard").getSelectedKey(),              resource = sap.ui.getCore().byId("selectResource").getSelectedKey(),              timeoutValue = sap.ui.getCore().byId("idInputTime").getValue() \* 1000;          if (timeoutValue < 10000 && timeoutValue) {              var message = this.getView().getModel("i18n").getProperty("TIMEOUT\_ERR\_MSG");              this.oUtil.ErrorDialog(message);          } else {              this.\_oSettingsDialog.close();              this.Param.yard = yard;              this.Param.resource = resource;              if (yard !== this.bDefaultValue && resource !== "") {                  this.Param.timeout = timeoutValue;              } else {                  this.Param.timeout = 0;              }              this.setPersonalization();              clearTimeout(this.timeOut);              this.\_reloadTasksList();          }      },      handleCloseDia: function (oEvt) {          this.\_oSettingsDialog.close();      },      getEventBus: function () {          return sap.ui.getCore().getEventBus();      },      getRouter: function () {          return sap.ui.core.UIComponent.getRouterFor(this);      },      onExit: function (oEvent) {          clearTimeout(this.timeOut);          var oEventBus = this.getEventBus();          oEventBus.unsubscribe("Detail", "TabChanged", this.onDetailTabChanged, this);          oEventBus.unsubscribe("Detail", "Changed", this.onDetailChanged, this);          oEventBus.unsubscribe("Detail", "NotFound", this.onNotFound, this);          oEventBus.unsubscribe("Detail", "TaskConfirmedDesktop", this.onTaskConfirmedDesktop, this);          oEventBus.unsubscribe("Detail", "LoadNextTaskQueue", this.loadNextTaskQueue, this);          oEventBus.unsubscribe("Detail", "clearTimeOut", this.clearTimeOut, this);          oEventBus.unsubscribe("Detail", "loadTask", this.onLoadTask, this);          oEventBus.unsubscribe("Detail", "taskStartedRefresh", this.onRefreshStatus, this);      }  }); |

Result:



OData Service Extension:

A screenshot of a computer

Description automatically generated

Select all Entities.

Append the Structure Related to the YardTask:

A screenshot of a computer

Description automatically generated

A screenshot of a computer

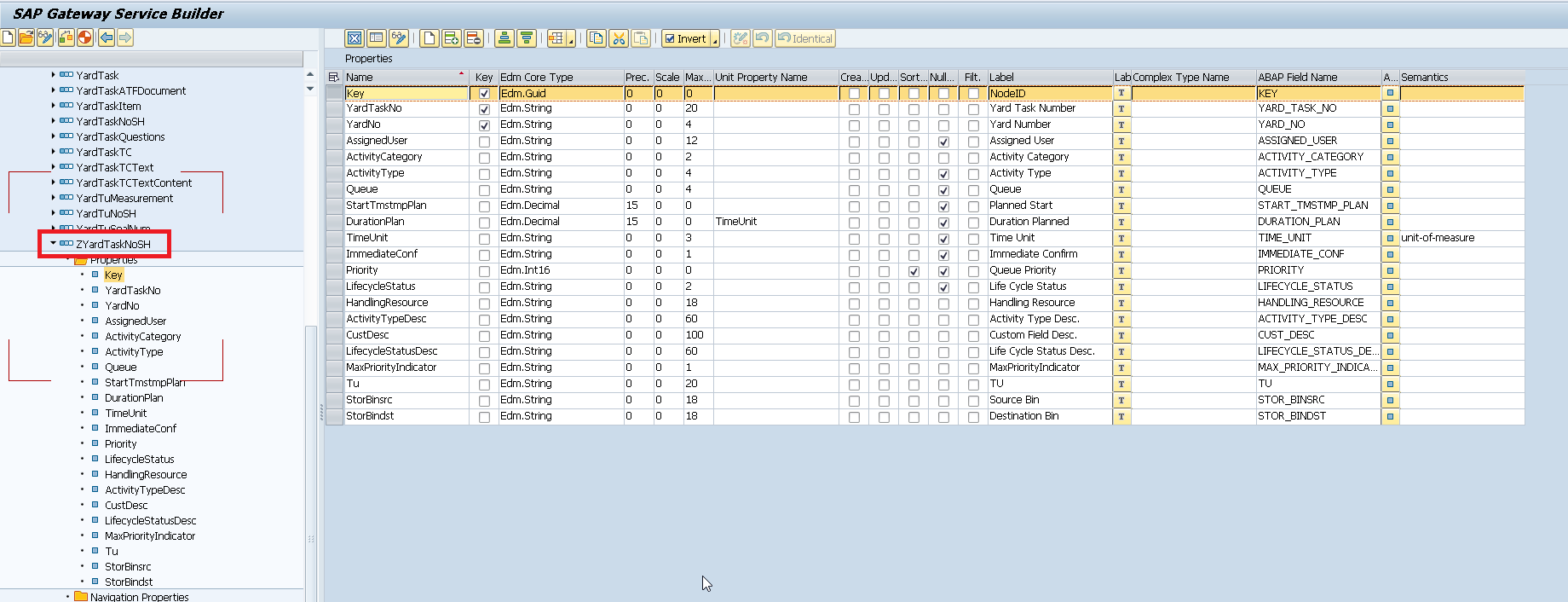
Description automatically generated

Then, add the TU field:

A screenshot of a computer

Description automatically generated

Create New with 3 New Columns: Tu, StorBinsrc, StorBindst:



|  |
| --- |
| class ZCL\_ZYL\_DAS\_YARD\_OPERA\_DPC\_EXT definition   public   inheriting from ZCL\_ZYL\_DAS\_YARD\_OPERA\_DPC   create public .  public section.    methods /IWBEP/IF\_MGW\_APPL\_SRV\_RUNTIME~GET\_ENTITYSET     redefinition . protected section.    methods ZYARDTASKNOSHSET\_GET\_ENTITYSET     importing       !IV\_ENTITY\_NAME type STRING       !IV\_ENTITY\_SET\_NAME type STRING       !IV\_SOURCE\_NAME type STRING       !IT\_FILTER\_SELECT\_OPTIONS type /IWBEP/T\_MGW\_SELECT\_OPTION       !IS\_PAGING type /IWBEP/S\_MGW\_PAGING       !IT\_KEY\_TAB type /IWBEP/T\_MGW\_NAME\_VALUE\_PAIR       !IT\_NAVIGATION\_PATH type /IWBEP/T\_MGW\_NAVIGATION\_PATH       !IT\_ORDER type /IWBEP/T\_MGW\_SORTING\_ORDER       !IV\_FILTER\_STRING type STRING       !IV\_SEARCH\_STRING type STRING       !IO\_TECH\_REQUEST\_CONTEXT type ref to /IWBEP/IF\_MGW\_REQ\_ENTITYSET optional     exporting       !ET\_ENTITYSET type ZCL\_ZYL\_DAS\_YARD\_OPERA\_MPC=>TT\_ZYARDTASKNOSH       !ES\_RESPONSE\_CONTEXT type /IWBEP/IF\_MGW\_APPL\_SRV\_RUNTIME=>TY\_S\_MGW\_RESPONSE\_CONTEXT     raising       /IWBEP/CX\_MGW\_BUSI\_EXCEPTION       /IWBEP/CX\_MGW\_TECH\_EXCEPTION .    methods YARDTASKSET\_GET\_ENTITY     redefinition .   methods YARDTASKSET\_GET\_ENTITYSET     redefinition . private section. ENDCLASS.    CLASS ZCL\_ZYL\_DAS\_YARD\_OPERA\_DPC\_EXT IMPLEMENTATION.   \* <SIGNATURE>---------------------------------------------------------------------------------------+ \* | Instance Public Method ZCL\_ZYL\_DAS\_YARD\_OPERA\_DPC\_EXT->/IWBEP/IF\_MGW\_APPL\_SRV\_RUNTIME~GET\_ENTITYSET \* +-------------------------------------------------------------------------------------------------+ \* | [--->] IV\_ENTITY\_NAME                 TYPE        STRING(optional) \* | [--->] IV\_ENTITY\_SET\_NAME             TYPE        STRING(optional) \* | [--->] IV\_SOURCE\_NAME                 TYPE        STRING(optional) \* | [--->] IT\_FILTER\_SELECT\_OPTIONS       TYPE        /IWBEP/T\_MGW\_SELECT\_OPTION(optional) \* | [--->] IT\_ORDER                       TYPE        /IWBEP/T\_MGW\_SORTING\_ORDER(optional) \* | [--->] IS\_PAGING                      TYPE        /IWBEP/S\_MGW\_PAGING(optional) \* | [--->] IT\_NAVIGATION\_PATH             TYPE        /IWBEP/T\_MGW\_NAVIGATION\_PATH(optional) \* | [--->] IT\_KEY\_TAB                     TYPE        /IWBEP/T\_MGW\_NAME\_VALUE\_PAIR(optional) \* | [--->] IV\_FILTER\_STRING               TYPE        STRING(optional) \* | [--->] IV\_SEARCH\_STRING               TYPE        STRING(optional) \* | [--->] IO\_TECH\_REQUEST\_CONTEXT        TYPE REF TO /IWBEP/IF\_MGW\_REQ\_ENTITYSET(optional) \* | [<---] ER\_ENTITYSET                   TYPE REF TO DATA \* | [<---] ES\_RESPONSE\_CONTEXT            TYPE        /IWBEP/IF\_MGW\_APPL\_SRV\_RUNTIME=>TY\_S\_MGW\_RESPONSE\_CONTEXT \* | [!CX!] /IWBEP/CX\_MGW\_BUSI\_EXCEPTION \* | [!CX!] /IWBEP/CX\_MGW\_TECH\_EXCEPTION \* +--------------------------------------------------------------------------------------</SIGNATURE> METHOD /iwbep/if\_mgw\_appl\_srv\_runtime~get\_entityset.    IF NOT iv\_entity\_set\_name = 'ZYardTaskNoSHSet'. "Call The Standard Super     TRY.         CALL METHOD super->/iwbep/if\_mgw\_appl\_srv\_runtime~get\_entityset           EXPORTING             iv\_entity\_name           = iv\_entity\_name             iv\_entity\_set\_name       = iv\_entity\_set\_name             iv\_source\_name           = iv\_source\_name             it\_filter\_select\_options = it\_filter\_select\_options             it\_order                 = it\_order             is\_paging                = is\_paging             it\_navigation\_path       = it\_navigation\_path             it\_key\_tab               = it\_key\_tab             iv\_filter\_string         = iv\_filter\_string             iv\_search\_string         = iv\_search\_string             io\_tech\_request\_context  = io\_tech\_request\_context           IMPORTING             er\_entityset             = er\_entityset             es\_response\_context      = es\_response\_context.       CATCH /iwbep/cx\_mgw\_busi\_exception.       CATCH /iwbep/cx\_mgw\_tech\_exception.     ENDTRY.    ELSE. " Call The Custom Get Entity Set created     DATA: lt\_zyardtasknosh TYPE zcl\_zyl\_das\_yard\_opera\_mpc=>tt\_zyardtasknosh.     TRY.         CALL METHOD me->zyardtasknoshset\_get\_entityset           EXPORTING             iv\_entity\_name           = iv\_entity\_name             iv\_entity\_set\_name       = iv\_entity\_set\_name             iv\_source\_name           = iv\_source\_name             it\_filter\_select\_options = it\_filter\_select\_options             it\_order                 = it\_order             is\_paging                = is\_paging             it\_navigation\_path       = it\_navigation\_path             it\_key\_tab               = it\_key\_tab             iv\_filter\_string         = iv\_filter\_string             iv\_search\_string         = iv\_search\_string             io\_tech\_request\_context  = io\_tech\_request\_context           IMPORTING             et\_entityset             = lt\_zyardtasknosh             es\_response\_context      = es\_response\_context.          copy\_data\_to\_ref(           EXPORTING             is\_data = lt\_zyardtasknosh           CHANGING             cr\_data = er\_entityset         ).        CATCH /iwbep/cx\_mgw\_busi\_exception.       CATCH /iwbep/cx\_mgw\_tech\_exception.     ENDTRY.    ENDIF.   ENDMETHOD.   \* <SIGNATURE>---------------------------------------------------------------------------------------+ \* | Instance Protected Method ZCL\_ZYL\_DAS\_YARD\_OPERA\_DPC\_EXT->YARDTASKSET\_GET\_ENTITY \* +-------------------------------------------------------------------------------------------------+ \* | [--->] IV\_ENTITY\_NAME                 TYPE        STRING \* | [--->] IV\_ENTITY\_SET\_NAME             TYPE        STRING \* | [--->] IV\_SOURCE\_NAME                 TYPE        STRING \* | [--->] IT\_KEY\_TAB                     TYPE        /IWBEP/T\_MGW\_NAME\_VALUE\_PAIR \* | [--->] IO\_REQUEST\_OBJECT              TYPE REF TO /IWBEP/IF\_MGW\_REQ\_ENTITY(optional) \* | [--->] IO\_TECH\_REQUEST\_CONTEXT        TYPE REF TO /IWBEP/IF\_MGW\_REQ\_ENTITY(optional) \* | [--->] IT\_NAVIGATION\_PATH             TYPE        /IWBEP/T\_MGW\_NAVIGATION\_PATH \* | [<---] ER\_ENTITY                      TYPE        /SAPYL/CL\_DAS\_OPERATOR\_MPC=>TS\_YARDTASK \* | [<---] ES\_RESPONSE\_CONTEXT            TYPE        /IWBEP/IF\_MGW\_APPL\_SRV\_RUNTIME=>TY\_S\_MGW\_RESPONSE\_ENTITY\_CNTXT \* | [!CX!] /IWBEP/CX\_MGW\_BUSI\_EXCEPTION \* | [!CX!] /IWBEP/CX\_MGW\_TECH\_EXCEPTION \* +--------------------------------------------------------------------------------------</SIGNATURE> METHOD yardtaskset\_get\_entity.   TRY.       CALL METHOD super->yardtaskset\_get\_entity         EXPORTING           iv\_entity\_name          = iv\_entity\_name           iv\_entity\_set\_name      = iv\_entity\_set\_name           iv\_source\_name          = iv\_source\_name           it\_key\_tab              = it\_key\_tab           io\_request\_object       = io\_request\_object           io\_tech\_request\_context = io\_tech\_request\_context           it\_navigation\_path      = it\_navigation\_path         IMPORTING           er\_entity               = er\_entity           es\_response\_context     = es\_response\_context.     CATCH /iwbep/cx\_mgw\_busi\_exception.     CATCH /iwbep/cx\_mgw\_tech\_exception.   ENDTRY.    SELECT SINGLE tu\_num\_ext     FROM zyard\_tu\_yts\_final     INTO @er\_entity-tu     WHERE ytdbkey = @er\_entity-key.  ENDMETHOD.   \* <SIGNATURE>---------------------------------------------------------------------------------------+ \* | Instance Protected Method ZCL\_ZYL\_DAS\_YARD\_OPERA\_DPC\_EXT->YARDTASKSET\_GET\_ENTITYSET \* +-------------------------------------------------------------------------------------------------+ \* | [--->] IV\_ENTITY\_NAME                 TYPE        STRING \* | [--->] IV\_ENTITY\_SET\_NAME             TYPE        STRING \* | [--->] IV\_SOURCE\_NAME                 TYPE        STRING \* | [--->] IT\_FILTER\_SELECT\_OPTIONS       TYPE        /IWBEP/T\_MGW\_SELECT\_OPTION \* | [--->] IS\_PAGING                      TYPE        /IWBEP/S\_MGW\_PAGING \* | [--->] IT\_KEY\_TAB                     TYPE        /IWBEP/T\_MGW\_NAME\_VALUE\_PAIR \* | [--->] IT\_NAVIGATION\_PATH             TYPE        /IWBEP/T\_MGW\_NAVIGATION\_PATH \* | [--->] IT\_ORDER                       TYPE        /IWBEP/T\_MGW\_SORTING\_ORDER \* | [--->] IV\_FILTER\_STRING               TYPE        STRING \* | [--->] IV\_SEARCH\_STRING               TYPE        STRING \* | [--->] IO\_TECH\_REQUEST\_CONTEXT        TYPE REF TO /IWBEP/IF\_MGW\_REQ\_ENTITYSET(optional) \* | [<---] ET\_ENTITYSET                   TYPE        /SAPYL/CL\_DAS\_OPERATOR\_MPC=>TT\_YARDTASK \* | [<---] ES\_RESPONSE\_CONTEXT            TYPE        /IWBEP/IF\_MGW\_APPL\_SRV\_RUNTIME=>TY\_S\_MGW\_RESPONSE\_CONTEXT \* | [!CX!] /IWBEP/CX\_MGW\_BUSI\_EXCEPTION \* | [!CX!] /IWBEP/CX\_MGW\_TECH\_EXCEPTION \* +--------------------------------------------------------------------------------------</SIGNATURE> METHOD yardtaskset\_get\_entityset.   TRY.       CALL METHOD super->yardtaskset\_get\_entityset         EXPORTING           iv\_entity\_name           = iv\_entity\_name           iv\_entity\_set\_name       = iv\_entity\_set\_name           iv\_source\_name           = iv\_source\_name           it\_filter\_select\_options = it\_filter\_select\_options           is\_paging                = is\_paging           it\_key\_tab               = it\_key\_tab           it\_navigation\_path       = it\_navigation\_path           it\_order                 = it\_order           iv\_filter\_string         = iv\_filter\_string           iv\_search\_string         = iv\_search\_string           io\_tech\_request\_context  = io\_tech\_request\_context         IMPORTING           et\_entityset             = et\_entityset           es\_response\_context      = es\_response\_context.     CATCH /iwbep/cx\_mgw\_busi\_exception.     CATCH /iwbep/cx\_mgw\_tech\_exception.   ENDTRY.    CHECK et\_entityset IS NOT INITIAL.   SELECT ytdbkey, ytitemdbkey, tukey, tu\_num\_ext     FROM zyard\_tu\_yts\_final     INTO TABLE @DATA(lt\_yts)     FOR ALL ENTRIES IN @et\_entityset     WHERE ytdbkey = @et\_entityset-key.   IF sy-subrc = 0.     SORT lt\_yts BY ytdbkey.     LOOP AT et\_entityset ASSIGNING FIELD-SYMBOL(<fs\_entityset>).       READ TABLE lt\_yts ASSIGNING FIELD-SYMBOL(<fs\_yt>) WITH KEY ytdbkey = <fs\_entityset>-key                                                         BINARY SEARCH.       IF sy-subrc = 0.         <fs\_entityset>-tu = <fs\_yt>-tu\_num\_ext.       ENDIF.     ENDLOOP.   ENDIF. ENDMETHOD.   \* <SIGNATURE>---------------------------------------------------------------------------------------+ \* | Instance Protected Method ZCL\_ZYL\_DAS\_YARD\_OPERA\_DPC\_EXT->ZYARDTASKNOSHSET\_GET\_ENTITYSET \* +-------------------------------------------------------------------------------------------------+ \* | [--->] IV\_ENTITY\_NAME                 TYPE        STRING \* | [--->] IV\_ENTITY\_SET\_NAME             TYPE        STRING \* | [--->] IV\_SOURCE\_NAME                 TYPE        STRING \* | [--->] IT\_FILTER\_SELECT\_OPTIONS       TYPE        /IWBEP/T\_MGW\_SELECT\_OPTION \* | [--->] IS\_PAGING                      TYPE        /IWBEP/S\_MGW\_PAGING \* | [--->] IT\_KEY\_TAB                     TYPE        /IWBEP/T\_MGW\_NAME\_VALUE\_PAIR \* | [--->] IT\_NAVIGATION\_PATH             TYPE        /IWBEP/T\_MGW\_NAVIGATION\_PATH \* | [--->] IT\_ORDER                       TYPE        /IWBEP/T\_MGW\_SORTING\_ORDER \* | [--->] IV\_FILTER\_STRING               TYPE        STRING \* | [--->] IV\_SEARCH\_STRING               TYPE        STRING \* | [--->] IO\_TECH\_REQUEST\_CONTEXT        TYPE REF TO /IWBEP/IF\_MGW\_REQ\_ENTITYSET(optional) \* | [<---] ET\_ENTITYSET                   TYPE        ZCL\_ZYL\_DAS\_YARD\_OPERA\_MPC=>TT\_ZYARDTASKNOSH \* | [<---] ES\_RESPONSE\_CONTEXT            TYPE        /IWBEP/IF\_MGW\_APPL\_SRV\_RUNTIME=>TY\_S\_MGW\_RESPONSE\_CONTEXT \* | [!CX!] /IWBEP/CX\_MGW\_BUSI\_EXCEPTION \* | [!CX!] /IWBEP/CX\_MGW\_TECH\_EXCEPTION \* +--------------------------------------------------------------------------------------</SIGNATURE> METHOD zyardtasknoshset\_get\_entityset.    TYPES: BEGIN OF ty\_task,            key                  TYPE sysuuid\_x,            yardtaskno           TYPE /sapyl/e\_yt\_no,            yardno               TYPE /sapyl/e\_yard\_no,            assigneduser         TYPE c LENGTH 12,            activitycategory     TYPE /sapyl/e\_activity\_category,            activitytype         TYPE c LENGTH 4,            queue                TYPE c LENGTH 4,            starttmstmpplan      TYPE p LENGTH 8 DECIMALS 0,            durationplan         TYPE p LENGTH 8 DECIMALS 0,            timeunit             TYPE c LENGTH 3,            immediateconf        TYPE c LENGTH 1,            priority             TYPE /iwbep/sb\_odata\_ty\_int2,            lifecyclestatus      TYPE /sapyl/e\_yt\_lifecycle\_status,            handlingresource     TYPE c LENGTH 18,            activitytypedesc     TYPE c LENGTH 60,            custdesc             TYPE c LENGTH 100,            lifecyclestatusdesc  TYPE /sapyl/e\_yt\_lifecycle\_stat\_txt,            maxpriorityindicator TYPE /sapyl/e\_yt\_max\_prority\_indic,          END OF ty\_task.    DATA: lt\_yardtasknosh TYPE TABLE OF ty\_task.   DATA: ls\_entityset TYPE LINE OF /sapyl/cl\_das\_operator\_mpc=>tt\_yardtasknosh.    DATA(lt\_headers) = io\_tech\_request\_context->get\_request\_headers( ).   READ TABLE lt\_headers INTO DATA(ls\_header) WITH KEY name = '~request\_uri'.   "Call and return the Data from the Standard Entity Set YardTaskNoSHSet   REPLACE ALL OCCURRENCES OF 'ZYardTaskNoSHSet' IN ls\_header-value WITH 'YardTaskNoSHSet'.    "Call the OData Service   /iwfnd/cl\_sutil\_client\_proxy=>get\_instance( )->web\_request( EXPORTING                                                                   it\_request\_header = VALUE /iwfnd/sutil\_property\_t( ( name  = if\_http\_header\_fields\_sap=>request\_method                                                                   value = if\_http\_entity=>co\_request\_method\_get ) (                                                                   name  = if\_http\_header\_fields\_sap=>request\_uri                                                                   value = ls\_header-value ) )                                                                 IMPORTING                                                                   ev\_status\_code        = DATA(lv\_status\_code)                                                                   ev\_response\_body      = DATA(lv\_response\_body)                                                                   ev\_error\_text         = DATA(lv\_error\_text) ).   "Convert the return data to ABAP table   /iwfnd/cl\_sutil\_odata\_mapper=>get\_instance( )->convert\_to\_abap( EXPORTING                                                                     iv\_xdoc       = lv\_response\_body                                                                   IMPORTING                                                                     ed\_data       = lt\_yardtasknosh                                                                     ev\_error\_text = lv\_error\_text ).   "from-/to mapping of fields   IF lt\_yardtasknosh IS NOT INITIAL.     LOOP AT lt\_yardtasknosh ASSIGNING FIELD-SYMBOL(<fs\_yardtask>).       ls\_entityset-key                      = <fs\_yardtask>-key.       ls\_entityset-yard\_task\_no             = <fs\_yardtask>-yardtaskno.       ls\_entityset-yard\_no                  = <fs\_yardtask>-yardno.       ls\_entityset-assigned\_user            = <fs\_yardtask>-assigneduser.       ls\_entityset-activity\_category        = <fs\_yardtask>-activitycategory.       ls\_entityset-activity\_type            = <fs\_yardtask>-activitytype.       ls\_entityset-queue                    = <fs\_yardtask>-queue.       ls\_entityset-start\_tmstmp\_plan        = <fs\_yardtask>-starttmstmpplan.       ls\_entityset-duration\_plan            = <fs\_yardtask>-durationplan.       ls\_entityset-time\_unit                = <fs\_yardtask>-timeunit.       ls\_entityset-immediate\_conf           = <fs\_yardtask>-immediateconf.       ls\_entityset-priority                 = <fs\_yardtask>-priority.       ls\_entityset-lifecycle\_status         = <fs\_yardtask>-lifecyclestatus.       ls\_entityset-handling\_resource        = <fs\_yardtask>-handlingresource.       ls\_entityset-activity\_type\_desc       = <fs\_yardtask>-activitytypedesc.       ls\_entityset-cust\_desc                = <fs\_yardtask>-custdesc.       ls\_entityset-lifecycle\_status\_desc    = <fs\_yardtask>-lifecyclestatusdesc.       ls\_entityset-max\_priority\_indicator   = <fs\_yardtask>-maxpriorityindicator.        APPEND ls\_entityset TO et\_entityset.       CLEAR ls\_entityset.     ENDLOOP.   ENDIF.    "Select new wished fields:  tu\_num\_ext, stor\_binsrc, stor\_bindst   CHECK et\_entityset IS NOT INITIAL.   SELECT ytdbkey, yard\_task\_no, yard\_no, ytitemdbkey, tukey, tu\_num\_ext, stor\_binsrc, stor\_bindst   FROM zyard\_tu\_yts\_final   INTO TABLE @DATA(lt\_yts)   FOR ALL ENTRIES IN @et\_entityset   WHERE yard\_task\_no = @et\_entityset-yard\_task\_no AND         yard\_no      = @et\_entityset-yard\_no.   IF sy-subrc = 0.     SORT lt\_yts BY yard\_task\_no yard\_no.     LOOP AT et\_entityset ASSIGNING FIELD-SYMBOL(<fs\_entityset>).       READ TABLE lt\_yts ASSIGNING FIELD-SYMBOL(<fs\_yt>) WITH KEY yard\_task\_no = <fs\_entityset>-yard\_task\_no                                                                  yard\_no = <fs\_entityset>-yard\_no                                                         BINARY SEARCH.       IF sy-subrc = 0.         <fs\_entityset>-key = <fs\_yt>-ytdbkey.         <fs\_entityset>-tu = <fs\_yt>-tu\_num\_ext.         <fs\_entityset>-stor\_binsrc = <fs\_yt>-stor\_binsrc.         <fs\_entityset>-stor\_bindst = <fs\_yt>-stor\_bindst.       ENDIF.     ENDLOOP.   ENDIF. ENDMETHOD. ENDCLASS. |