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class ZCL_MM_HANDLE_GET definition
    public
    final
    create public .

public section.
    """ public components of class ZCL_MM_HANDLE_GET
    """ do not include other source files here!!!

    interfaces ZIF_REQUEST_HANDLER .

    methods CONSTRUCTOR
        importing
            !IO_REQUEST type ref to IF_HTTP_REQUEST
            !IO_RESPONSE type ref to IF_HTTP_RESPONSE .
protected section.
    """ protected components of class ZCL_MM_HANDLE_GET
    """ do not include other source files here!!!
private section.
    """ private components of class ZCL_MM_HANDLE_GET
    """ do not include other source files here!!!

    aliases REQUEST
        for ZIF_REQUEST_HANDLER~REQUEST .
    aliases RESPONSE
        for ZIF_REQUEST_HANDLER~RESPONSE .

    data LOG_INSTANCE type ref to ZCL_MM_APPLICATION_LOG .

    methods CREATE_ZIP
        exporting
            !EV_ZIP type XSTRING .
    methods GET_FILES
        exporting
            !ET_FILES_LIST type STRING_TABLE .
ENDCLASS.

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CLASS ZCL_MM_HANDLE_GET IMPLEMENTATION.

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* <SIGNATURE>-----
* | Instance Public Method ZCL_MM_HANDLE_GET->CONSTRUCTOR
* +-----
* | [--->] IO_REQUEST                                TYPE REF TO IF_HTTP_REQUEST
* | [--->] IO_RESPONSE                                TYPE REF TO IF_HTTP_RESPONSE
* +-----</SIGNATURE>

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method CONSTRUCTOR.

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    me->request = io_request.
    me->response = io_response.

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    create object me->log_instance.

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endmethod.

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* <SIGNATURE>-----
* | Instance Private Method ZCL_MM_HANDLE_GET->CREATE_ZIP
* +-----

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* | [<---] EV_ZIP                                TYPE          XSTRING
* +-----<-----</SIGNATURE>

method create_zip.

data: lo_zip type ref to cl_abap_zip,
      lt_file_list type string_table,
      lo_mime type ref to if_mr_api.

data: lv_file_xstr type xstring,
      lt_file_path type string_table,
      lv_file_name type string,
      lv_file_path_lines type i.

data: lv_zip type xstring.

field-symbols: <ls_file_url> like line of lt_file_list.

create object lo_zip.

get_files( importing et_files_list = lt_file_list ).
lo_mime = cl_mime_repository_api=>get_api( ).

if lt_file_list is not initial.
  loop at lt_file_list assigning <ls_file_url>.

    lo_mime->get( exporting i_url = <ls_file_url>
                  importing e_content = lv_file_xstr
                  exceptions parameter_missing = 1
                             error_occured = 2
                             not_found = 3
                             permission_failure = 4
                             others = 5 ).

    if sy-subrc is not initial.
      case sy-subrc.
        when 1.
          response->set_status( exporting code = 400
                                reason = 'MIME Repository - parameter missing!' ).
          me->log_instance->add_log( exporting iv_message_no = '000'
                                    iv_message_type = 'E' ).

          return.
        when 2.
          response->set_status( exporting code = 400
                                reason = 'MIME Repository - error occurred' ).
          me->log_instance->add_log( exporting iv_message_no = '001'
                                    iv_message_type = 'E' ).

          return.
        when 3.
          response->set_status( exporting code = 404
                                reason = 'Object not found in MIME Repository!' ).
          me->log_instance->add_log( exporting iv_message_no = '002'
                                    iv_message_type = 'E' ).

          return.
        when 4.
          response->set_status( exporting code = 401
                                reason = 'MIME Repository - authorization error!' ).
          me->log_instance->add_log( exporting iv_message_no = '003'
                                    iv_message_type = 'E' ).

          return.
        when 5.

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        response->set_status( exporting code = 400
                               reason = 'Error occured in MIME Repository!' ).
        me->log_instance->add_log( exporting iv_message_no = '004'
                                   iv_message_type = 'E' ).

        return.
    endcase.
endif.

split <ls_file_url> at '/' into table lt_file_path.
describe table lt_file_path lines lv_file_path_lines.
read table lt_file_path into lv_file_name index
    lv_file_path_lines.

lo_zip->add( exporting name = lv_file_name
               content = lv_file_xstr ).

endloop.

ev_zip = lo_zip->save( ).

else.
    response->set_status( exporting code = 404
                           reason = 'Files not found!' ).
    me->log_instance->add_log( exporting iv_message_no = '005'
                               iv_message_type = 'E' ).
endif.

endmethod.

* <SIGNATURE>-----
* | Instance Private Method ZCL_MM_HANDLE_GET->GET_FILES
* +-----
* | [<---] ET_FILES_LIST                                TYPE          STRING_TABLE
* +-----</SIGNATURE>
method GET_FILES.

    constants: lv_url type string value '/SAP/PUBLIC/Test/'.

    data: lo_mime_api type ref to IF_MR_API,
          lt_file_list type string_table.

    lo_mime_api = CL_MIME_REPOSITORY_API=>get_api( ).

    lo_mime_api->file_list( exporting i_url = lv_url
                             I_RECURSIVE_CALL = 'X'
                             importing e_files = lt_file_list ).

    et_files_list = lt_file_list.

endmethod.

* <SIGNATURE>-----
* | Instance Public Method ZCL_MM_HANDLE_GET->ZIF_REQUEST_HANDLER~HANDLE_REQUEST
* +-----
* +-----</SIGNATURE>
method ZIF_REQUEST_HANDLER~HANDLE_REQUEST.

    data: lv_zip type xstring.

    data: lt_header_fields type TIHTTPNVP.

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CREATE_ZIP( importing EV_ZIP = lv_zip ).
if lv_zip is not initial.
    response->SET_CONTENT_TYPE( 'application/zip' ).
    response->SET_HEADER_FIELD( exporting name = 'Content-Disposition'
                                value = 'inline; filename='UploadedFiles.zip'' ).
    response->GET_HEADER_FIELDS( changing fields = lt_header_fields ).
    response->SET_DATA( lv_zip ).
    me->log_instance->add_log( exporting iv_message_no = '008'
                                iv_message_type = 'S' ).
endif.
endmethod.
ENDCLASS.
```