BEGIN MAINPROGRAM CandidateManagement

IF User click “Add” button THEN

Display Add new candidate page;

END MAINPROGRAM CandidateManagement

BEGIN SUBPROGRAM SaveCandidate(Model.Candidate)

BEGIN Transaction

BEGIN

Add(Candidate)

SaveFiles(CandidateId, uploadFiles, filePath)

END

SaveChange

EXCEPTION

WHEN connect database fail

BEGIN

Delete file with path = filePath + fileName

END

WHEN upload file to server fail

BEGIN

Rollback transaction

END

END Transaction

END SUBPROGRAM AddCandidate(CandidateVm)

BEGIN SUBPROGRAM SaveFiles(CandidateId, uploadFiles, filePath)

Create folder to storage document file with name with CandidateId

BEGIN Transaction

FOR each file in uploadFiles

Save file with path = filePath + fileName

Create new document object with CandidateId and path

Execute AddDocument function with document object on RepositoryLayer

END LOOP

SaveChange

EXCEPTION

WHEN save document on database fail

BEGIN

Delete file with path = filePath + fileName

END

WHEN upload file to server fail

BEGIN

Rollback transaction

END

END Transaction

END SUBPROGRAM SaveFiles(CandidateId, uploadFiles, filePath)