**03/06/2024:**

* Procedures Onboarding System is a new spring boot feature need to develop.
* Rename files hierarchy to com.grayopus.procedure from com.gfg.procedure.
* Procedure onboarding system will have
  + Procedures
  + Documents and
  + Checklist
* Procedure entity will have
  + Id
  + Name
  + Description
* Documents entity will have
  + Id
  + Procedure\_id
  + Name
  + Type: why type of document is required as mandatory or optional???
* Checklist
  + Id
  + Document\_id
  + Name of checklist

**04/06/2024:**

* Three entities
  + Procedure
  + Document and
  + Deficiency Checklist
* Already created the flow from controller to repository for Procedures.
* 3.0.7 tried last for spring boot starter parent.

**05/06/2024:**

* Unsupported class file major version 61 is coming so searched in google.
* Updated dependency spring-test version being 5.0.4.RELEASE, but still crying.
* Swagger ui is used for curl.
* No bidirectional are required unidirectional will do.
* Since you have id’s of procedure in document table and id’s of document in checklist table.
* Coding of all 3 entities and related classes is done.
* After full days struggle still not able to run application.
* Only plus is finished coding of complete feature.

**06/06/2024:**

* Bidirectional relationship: Need to implement
* one to many between
  + Procedures and Documents
  + Document and DeficiencyChecks and
* Many to one between
  + Documents and procedures
  + DeficiencyChecks and Documents
* Relationships are done now.
* I need to try for compilation and running now.
* Compiling successfully, but struggles to run the server.
* When I am giving as 2.3.12.RELEASE in spring boot starter parent crying for spring core 5.2.25.RELEASE and spring-bean 4.3.8.RELEASE
* When I am giving as 2.4.2 in spring boot starter parent crying for
* Caused by: java.lang.ClassNotFoundException: org.springframework.core.metrics.ApplicationStartu when running the server only as in former case too.
* In the evening again new thing on run coming as build success, but not running.
* Hope leads to success after sometime.
* Changing java version from 11 to 1.8 is not fetching anything unlike.
* So reverted again.

**07/06/2024:**

* Server not running is the main funda today.
* Was coming as build success, but not running upon run.
* Tables are getting populated, but procedures table isn’t because Error no. 150 means a foreign key constraint failure. You are probably creating this table before the table the foreign key depends on (table keywords). Create that table first and it should work fine.
* So what to do now???
* One thing I can do is have unidirectional column which serves the purpose.
* If though that way of removing bidirectional also procedures table isn’t getting created.
* So what to do now.
* Procedures entity will only have one back reference to document entity.
* Documents will have one managed reference to procedures table and one back reference to DeficiencyChecks.
* DeficiencyChecks will only have managed reference to documents entity.
* Managed reference will only have @joincolumn.
* Desc was causing all tables for procedures table to be created.
* So changed it to description which lead to successful creation of procedures table.
* Bidirectional is troubling a lot so first try unidirectional first.
* Even bidirectional is done now.
* This is executing I believe.
* Is a success.

**08/06/2024:**

* Need to update such that documents are included in procedure and deficiency checks into documents.
* Update procedures such created documents are included in.
* Update documents such that deficiency checks are included in.
* Now this is the main task in hand.
* Everything done and mail sent across.

**10/06/2024:**

* First delete all the three
  + Procedures,
  + Documents and
  + DeficiencyChecks
* Should not allow documents and procedures as have a foreign key and allow DeficiencyChecks.
* Then explore microservices Web Client filters whether is allowing for Get Mapping only.
* Allowing to work on ProceduresOnbardingSystem so
* Updata is working as expected.
* All crud operations are working absolutely fine.
* Thing when processed remove on procedures, documents and DeficiencyChecks.
* Was not able to delete Procedures and Documents.
* Was able to only delete DeficiencyChecks.
* Since Procedures and Documents have foreign key relationship and whereas DeficiencyChecks hasn’t.
* Devtools is working absolutely fine. No Sometimes working and sometimes not.
* Have got all properties set in application.properties, but still.
* Need to sit and nail down once free.
* Update of all three are working absolutely fine.
* Update in only respective entities not relational entities.
* Create that is post of all three entities is working with no hassles with respective related entity.
* All get mapping operations on all three modules are also working as expected.
  + GetAll
  + GetAllbasedonPaginationandSorting and
  + GetByID
* Testing for that matter goes on postman a client substitute.
* Collection of postman is also exported in folder ProceduresOnboardingSystem as a json file.
* Can import and start testing.

**11/06/2024:**

* Tomorrow morning if possible commit and send mail.
* Committing still not done yet.
* In the process.
* Committed and sent mail as well.
* Look at devtools in ProceduresOnboardingSystem why is not functioning???
* Today got assigned to new project called backend for reviewing the project.
* Need to review the code and tell the improvisations according to standards
* Need to observe backend now.
* For reviewing I need to know project is in which technologies.

**24/06/2024:**

* If a join table is present in one to many relationship only then forward display is coming.
* As Gaurav was saying that many to many relationship should be present.
* Also will display as specified.
* Table specification specifies one to many.
* As Gaurav was specifying many to many relationship only then will display all documents on procedure click and all deficiency check on document click. In any many to many relationship separate table is formed called as jointable.
* Your table display document that you sent is attached here gives the wrong impression of one to many relationship where procedureId present in document table and documentId present in deficiency check table which is nothing, but added as a joincolumn.
* So  how should I go ahead please specify???
* Mail sent and waiting for an reply to proceed…

**25/06/2024:**

* Need to check whether one to many relationship can be displayed.
* Come out of master branch and switch to dev.
* git checkout -b dev.
* Above command has helped doing.
* Now how to commit a document file.

**26/06/2024:**

* Tomorrow first thing implement join table related stuff in ProcedureOnboardingSystem so that display will be proper as Gaurav said or specified.
* ProceduresOnboardingSystemMTM is the name given.
* Compiling successfully, but failing to run.
* When I change spring boot starter parent to 3.1.0
* Crying for a version of the following jar javax.servlet:jstl.
* Need to search version
* With many to many mapping implemented which came closer to Gaurav’s verdict.
* Only problem being deficiencycheck is also displayed on procedures click since is linked to documents.
* Now need to go and check jwt implementation in back end project.
* Don’t have to do anything.
* Just observe the flow which sums up all.
* Must do once proper internet comes:
* Add your linked in profile to Grayopus or windows teams.