**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:**

* Look at devtools in ProceduresOnboardingSystem why is not functioning???
* Must do once proper internet comes:
* Add your linked in profile to Grayopus or windows teams.