Process flow

Login page

Audit selection page

Questions page

Result /execution page

Login Page

Username and password

Check whether the user is valid

Generate token by username and store it in the db

Set expiry time limit for the login

When the session expires it will ask for login again

Jwt flow we must go through

Audit Selection Page

Heading for project details

Project name

Project manager name

Application owner name

Audit type

Submit button

Questions page

Based on audit type fetch the qs from db

Yes /no radio buttons

Update the values of button in db for each questions

Submit button

Result Page

Execution status and remedial action based on the evaluation

Scenario

First the user give the login credentials ->webportal service

Audit selection page ->webportal

After submission of audit details ->auditchecklist service

Question ->after submission of questions ->severity service

Fetch the values of bench mark from ->benchmark service

Then do the comparison between the benchmark and passed no values

Then return the final output.

Webportal

All api’s

Auditcheck list

Just return the list of questions

Localhost:8080/auditlist/auditype

Q1

Q2

Benchmark service

Localhost:8181/benchmark

Map<internal 1>

Map<sox 2>

Returns the benchmark evaluation for audit type map for audit type and evaluation value

Severity

Map<exec status,remedial time>

Return the Map for exec status and remedial action

**Auditchecklist service**

RestApi

get-> /auditchecklist/auditType

input :auditType

output :list of questions

post->/saveResponse

input :List<QuestionsEntity>

output : List<QuestionsEntity>

model/entity -> QuestionsEntity

questionId integer generated value

auditType string

questions string

response string

scenario 1:

This service is called by audit web portal after the submission of audit details .request from audit port will be consist of auditType as parameter. Then the getQuestions get controller will get the questions from the QuestionsEntity db where the audit type matches.

Scenario 2:

This service is called by audit web portal after the submission of questions.request from the audit portal consist of the list<QuestionEntities> as parameter which is answered or response value is changed .Then the saveResponse post controller will saveall(update) this to the existing QuestionsEntity db table.

**Audit benchmark service**

Class auditBenchMark

auditType string

evalNoAnswer int

get->/auditbenchmark

input :nil

output : list <auditbenchmark>

Scenario 1:

This service is called by audit severity service after the submission of questions .behind the operation we calculate the total number of NO’s for the answered question .using get auditbenchmark controller we can return the list of auditbenchmark with default no of NO’s.And we compare these counts with the audit benchmark which matches with the audit type in the severity service and we ill return the final result using the severity service.

**Audit Severity Service**

get-> /projectExecutionStatus

input :auditRequest

output :auditResponse

AuditRequest -entity

requestId int

auditDetail auditDetail

projectName string

managerName string

ownerName string

AuditResponse –entity

responseId int

executionStatus string

actionDuration string

AuditDetail –entity

auditId int

auditType string

auditDate date

Scenario 1:

This service is called after the submission of questions by the audit portal. The audit request is passed as the parameter in the executionStatus get controller and it will process the calculations and comparisons for evaluation and it will use the audit response as output based on the evaluation.

(Audit portal) ->login->audit details->questions(benchmark service)->execution status(severity service)

Service 1->audit portal

Service 2->audit check list

Service 3->auth service

Service 4->benchmark

Service 5->severity service