BlindSpot_ClassDiagram

Sailor Senshi | March 14, 2023

Class: Profile

+ Name: String
+ ID: Int
+ Password: String

+ getName()
+ setName()
+ getId()
+getPassword()
+ setNewPassword()
+ Login()
+ Logout()

is a

Class: User

+ Email: String
+ Contact: String
+ ProfilePic : Byte

+getEmail()
+ TakeQuiz()
+ CheckResult()
+ CheckNotebook()
+ AnswerQuestions()
+ editProfilePic()

Class: Notebook

+ UserID: Int
+ SavedQuestions: List

+ getSavedQuestions()
+ getExplanation()
+ deleteQuestionsFromNotebook()

1 — 1

Class: Progress

+ UserID: String
+ Consolidated_QandTs: Map<Topics:
<Set> Scores, TotalQs>>

+ calculateScore()
+ GetScoreByTopic()
+ GetTopicWithTopScores()

Class: Question

+ Question_id : integer
+ Question: String
+ Question_Topic: String
+ Choices: String Array
+ Explanation: String
+ Right_Answer: String
+ AnsweredByUserOrNot: Boolean
+ SavedToNotebook: Boolean

+ GetQuestionID()
- SetQuestionID()
+ GetQuestion()
+ SetQuestion()
+ GetChoices()
+ SetChoices()
+ GetRight_Answer()
+ SetRight_Answer()
+ GetExplanation()
+ SetExplanation()

Optional operations:

+ AddQuestionsToDB()
+ AddChoicesToDB()
+ AddExplanationToDB()
+ AddRightAnswerToDB()

has

Class: Quiz Session

+ SessionID: Int
+ Topic: String
+ Questions_in_Session: List
+ Scores: Int

+ AnsweredRightOrWrong()
+ getScores()
+ addToNotebookIfIncorrect()
+ addToNotebookIfSelected()