

Java

Course

- courseName:String

- courseId:int

- decks[]:Deck

- authorId:int

- createDate:Date

+ course (String name)

+ getCourseId:int

+ addDeck:void

+ deleteDeck:void

+ openDeck:Deck (int deckId)

+ setName:void (String name)

+ getName:String

+ viewDetail:UserStats

Card

- cardId:int

- question:String

- wrongs[]:Wrong

- correct:String

- correctCount:int

- totalCount:int

- authorId:int

- createDate:Date

- deckId:int

+ card (String question, String correct, Wrong wrongs[])

+ getCardId:int

+ addWrong:void

+ deleteWrong:void

+ openAnswers:View

+ setQuestion:void (String question)

+ getQuestion:String

+ setAnswer:void (String answer)

+ getAnswer:String

+ addWrong:void (Wrong wrong)

+ getWrong:Wrong[]

+ setCorrectCount:void (int correctCount)

+ getCorrectCount:int

+ incrementCorrectCount:void

+ setTotalCount:void (int totalCount)

+ getTotalCount:int

+ incrementTotalCount:void

+ showAnswer:Answer (int selection)

+ swipe:void (int swipeDirection)

//updates stats

+ viewDetail:UserStats

+ getDeckId:int

Deck

- deckName:String

- deckId:int

- cards[]:Card

- authorId:int

- createDate:Date

- courseId:int

+ deck (String name)

+ getDeckId:int

+ addCard:void

+ deleteCard:void

+ getNextCard:Card //deal algorithm

+ setName:void (String name)

+ getName:String

+ viewDetail:UserStates

+ shuffle(int shuffleType)

+ reset:void

+ getCourseId:int

Wrong

- answer:String

- wrongId:int

- usedCount:int

- selectedCount:int

- authorId:int

- createDate:Date

+ wrong (String answer)

+ getWrongId:int

+ setAnswer:void (String answer)

+ getAnswer:String

+ getHitCount:int

+ setHitCount:void (int hitCount)

+ getHitCount:int

+ incrementHitCount:void

+ setSelectedCount:void (int selectedCount)

+ getSelectedCount:int

+ incrementSelectedCount:void

User

+ userId:int

- userName:String

- userEmail:String

- registerDate:Date

- lastLogin:Date

+ user (String name, String email)

+ getId:int

+ setName:void

+ getName:String

+ setEmail:void

+getEmail:String

+ getRegisterDate:Date

+ getLastLogin:Date

+ setLastLogin:void

DB

<<Table>>
Course

<<PK>> courseId:int = 0

courseName:String

<<FK>>authorId:int

createDate:Date

<<Table>>
Deck

<<PK>> deckId:int = 0

deckName:String

<<FK>> courseId:int

<<FK>>authorId:int

createDate:Date

<<Table>>
Wrong

<<PK>> wrongId:int = 0

answer:String

usedCount:int

selectedCount:int

<<FK>>authorId:int

createDate:Date

<<FK>> cardId:int

<<Table>>
Card

<<PK>> cardId:int = 0

question:String

correct:String

correctCount:int

totalCount:int

<<FK>>authorId:int

createDate:Date

<<FK>> deckId:int

<<Table>>
User

<<PK>> userId:int = 0

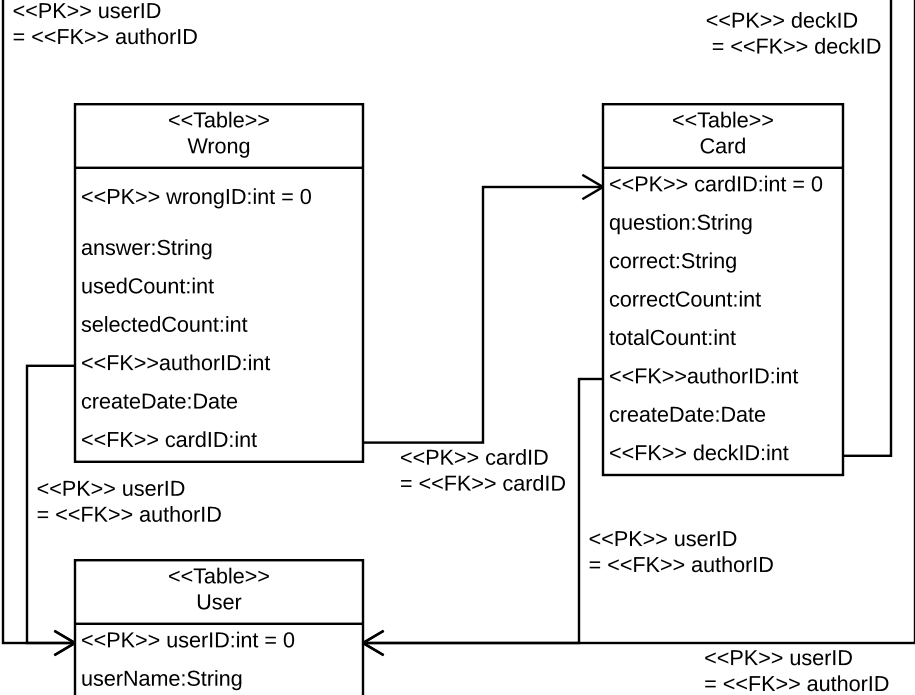
userName:String

userEmail:String

registerDate:Date

lastLogin:Date

password:password



+ getRegisterDate:Date
+ getLastLogin:Date
+ setLastLogin:void

GUI

