4.

4.1 Question Bank

* CozuBook

\_id: mongoose.Schema.Types.ObjectId,

name: String,

publisherId: String,

publishYear: Number,

 image: String,

categoryId: String

* QuestionBankBook

\_id: mongoose.Schema.Types.ObjectId,

name: String,

publisherId: String,

publishYear: Number,

 image: String,

* CozuBookCategory

\_id:

name: {type: String, enum: [‘QuestionBank’, ‘ExamSet’]}

* QuestionBankBookUnit

Id\_:

QuestionBankBookId: String,

Name: String

* QuestionBankTopic

Id\_:

QuestionBankBookId: String,

questionBankBookUnitId: String,

Name: String

* QuestionBankTest

Id\_:

QuestionBankBookId: String,

questionBankBookUnitId: String,

QuestionBankTopicId: String,

Name: String

* QuestionBankQuestion (~ BookTestAnswer)

\_id: mongoose.Schema.Types.ObjectId,

questionBankBookId: String,

questionBankBookUnitId: String,

questionBankTopicId: String,

questionBankTestId: Strring,

name: String,

questionNumber: Number,

questionPhoto: String,

solutionPhoto: String,

correAnswer: {

type: String,

enum: [‘Unknown’, ‘A’, ‘B’, ‘C’, ‘D’, ‘E’],

default: ‘Unknwon’

}

* QuestionBankStudentAddedBook

Id\_:

studentId: String

questionBankBookId: String

* QuestionBankStudentSolvedTopic

Id\_:

studentId: String

questionBankBookId: String

questionBankBookUnitId: String,

questionBankTopicId: String

date: String

* QuestionBankStudentSolvedTest

Id\_:

studentId: String

questionBankBookId: String,

questionBankBookUnitId: String,

questionBankTopicId: String,

questionBankTestId: String

date: String

timespent: String

* QuestionBankStudentSolvedQuestion

Id\_:

studentId: String

questionBankBookId: String,

questionBankBookUnitId: String,

questionBankTopicId: String,

questionBankTestId: Strring,

questionBankQuestionId: String,

StudentAnswerForQuestion: {

type: String,

enum: [‘Unknown’, ‘A’, ‘B’, ‘C’, ‘D’, ‘E’],

default: ‘Unknwon’

}

isCorrect: Boolean

timespent: Number

4.2 Practice Exam

* PracticeExamExamSet(Book)

\_id: mongoose.Schema.Types.ObjectId,

 name: String,

publisherId: String,

publishYear: Number,

 image: String

* PracticeExamExam

Id\_:

name: String,

practiceExamExamSetId: String,

* PracticeExamCourse

\_id:

practiceExamExamSetId: String,

practiceExamExamId: String,

Name: String

* PracticeExamQuestion

\_id: mongoose.Schema.Types.ObjectId

practiceExamSetId: String

practiceExamExamId: String

practiceExamCourseId: String

name: String,

questionNumber: Number

questionPhoto: String

solutionPhoto: String

corretAnswer: {

type: String

enum: [‘Unknown’, ‘A’, ‘B’, ‘C’, ‘D’, ‘E’],

default: ‘Unknwon’

}

* PracticeExamStudentSolvedExamSet

\_id:

studentId:

PracticeExamExamSetId:

* PracticeExamStudentSolvedExam

Id\_:

studentId: String

PracticeExamExamSetId: String

PracticeExamExamId: String

Date: String

* practiceExamStudentSolvedCourse

\_id:

studentId: String

PracticeExamExamSetId: String

PracticeExamExamId: String

practiceExamCourseId: String

date: String

* practiceExamStudentSolvedQuestion

\_id:

StudentId: String

PracticeExamExamSetId: String

PracticeExamExamId: String

practiceExamCourseId: String

practiceExamQuestionId: String

StudentAnswerForQuestion: {

type: String,

enum: [‘Unknown’, ‘A’, ‘B’, ‘C’, ‘D’, ‘E’],

default: ‘Unknwon’

}

isCorrect: Boolean

timespent: Number

6.

6.1 Homework Detail

* homeworkBook

\_id:

name: String

publisherId: String,

publishYear: Number,

 image: String

deadline: String(absolute)

teacherId: String

topicId: String

description: String

* homeworkTest

\_id:

homeworkBookId: String

testName: String

* homeworkQuestion

\_id: mongoose.Schema.Types.ObjectId

homeworkBookId: String

homeworkTestId: String

name: String,

questionNumber: Number

questionPhoto: String

solutionPhoto: String

corretAnswer: {

type: String

enum: [‘Unknown’, ‘A’, ‘B’, ‘C’, ‘D’, ‘E’],

default: ‘Unknwon’

}

* homeworkStudentSolvedBook

\_id:

studentId: String

homeworkBookId:

isAllSolved: Boolean

* homeworkStudentSolvedTest

\_id:

studentId: String

homeworkBookId: String

homeworkTestId: String

spentTime: Number

date: String

* homeworkQuestion

\_id: mongoose.Schema.Types.ObjectId

studentId: String

homeworkBookId: String

homeworkTestId: String

name: String,

questionNumber: Number

questionPhoto: String

solutionPhoto: String

studentAnswerForQuestion: {

type: String

enum: [‘Unknown’, ‘A’, ‘B’, ‘C’, ‘D’, ‘E’],

default: ‘Unknwon’

}

isCorrect: Boolean

duration: Number

* class

\_id:

Name: String

Description: String

isPrivate: Boolean

teacherId: String

* studentClass

\_id:

sutdentId: String

classId: String

7. POMODORO SCREEN

7.1 THE BEST OF THE DAY

* target

\_id:

studentId: String

Name: String

targetedTime: Number

everydayStartTime: String

isEverydayStartTimeSet: Boolean

typeofReachedTime: enum[‘today’, tomorrow’, ‘special’]

targetStartTime: String

studyDays: [Number]

color: enum[1,2,3,4,5,6,7,8]

* targetImplementation

\_id:

targetId: String

studentId: String

studyTime: String