#### Package ContractTermsModel - competency: Integer ContractModel rate: Integer - hoursPerLesson: Integer - id: String lessonsPerWeek: Interger dateCreated: String ContractAdditionalInfoModel freeClasses: Integer - dateSigned: String - isRateHourly: Boolean expiryDate: String - isRateWeekly: Boolean - paymentInfo: JSONObject contractTerms: ContractTermsModel · lessonInfo: JSONObject getRateStr(): String toString(): String additionalInfo: ContractAdditionalInfo firstParty: UserModel getFreeClassesStr(): String - secondParty: UserModel getHoursPerLessonStr(): String subject: SubjectModel getLessonsPerWeekStr(): String

getCompetencyStr():String getCompetencyResource(): Integer

toString(): String

#### TutorBidModel - dateCreated: String - tutor: UserModel - tutorOffer: BidOfferModel BidOfferModel toString(): String - competency: Integer - rate: Integer - hoursPerLesson: Integer lessonsPerWeek: Interger - freeClasses: Integer - isRateHourly: Boolean - isRateWeekly: Boolean BidModel - isTutorBid: Boolean BidAdditionalInfoModel - id: String - bidOffer: JSONObject type: String - studentOffer: BidOfferModel - tutorBids: JSONArray - dateCreated: String + parseIntoJSON(): JSONObject dateClosedDown: String - expiryDate: String + getRateStr(): String initiator: UserModel + getFreeClassesStr(): String - subject: SubjectModel + getHoursPerLessonStr(): String parseIntoJSON(): JSONObject - additionalInfo: BidAdditionalInfoModel + getLessonsPerWeek()Str: String getTutorBidsStr(): String + getCompetencyStr():String toString(): String + getSubjectAndCompetencyStr(): String + getCompetencyResource(): Integer + toString() : String toString(): String

### JWTModel

- id: String
- givenName: String
- familyName String
- username: String
- isStudent: Boolean
- isTutor: Boolean
- expiryDateInSeconds: Long Integer
- expiryDate: Date
- expiryDate\_ISO8601: String
- + isJWTExpired(): Boolean
- getUserRole(): String
- toString(): String

## MessageModel

- id: String

getSubjectAndCompetencyStr(): String

toString(): String

- bidId: String
- datePosted: String
- dateLastEdited: String

- content: String additionalInfo: JSONObject
- recipientId: String
- poster: UserModel
- toString(): String

# SubjectModel

- id: String
- name: String
- description: String
- toString(): String

## UserModel

- id: String
- givenName: String
- familyName String
- username: String
- isStudent: Boolean
- isTutor: Boolean
- + operation1(params):returnType
- operation2(params)
- operation3()