Model::Class Diagram

ContactInfo
- -telephoneNumber: String
- -email: String
- -address: String
- -name: String
- +update(newInfo: ContactInfo): Boolean

Payment
- -request: Request
- -confirmed: Boolean
- +makePayment(): Boolean

LocalStatistics
- -userId: int
- -loginCount: int
- -activityCount: int
- +addStatistic(): Boolean

AccountManagement
- -accountNumber: int {unique}
- -owner: User
- +addMoney(money: int): boolean
- +makePayment(money: int): boolean
- +getOwner(): User
- +getAccountNumber(): int

DB
- +field
- +addToDB(log: Logging): null

User
- -name: String
- -bankAccount: AccountManagement
- -contactInfo: ContactInfo
- -ratings: LocalStatistics
- -id: int
- +getContactInfo(): ContactInfo
- +createStatistics(): Boolean
- +login(user: User): Boolean
- -createContactInfo(): ContactInfo
- -createAccountManager(): AccountManagement
- -createPreferences(): Preferences

Preferences
- -duration: int
- -time: Time
- +update(newPreferences: Preferences): Boolean

Logging
- -Logs: ArrayList<Log>
- +log(log: Log): Boolean

Responder
- -responses: ArrayList<Response>
- +respond(response: Response): Boolean

Requester
- +postRequest(job: Request): boolean
- +confirmPayment(): Boolean

Log
- +logUser(): Boolean
- +logFeedback(): Boolean
- +logRequest(): Boolean

FeedBack
- -rating: int
- -comment: String
- -request: Request
- +makeFeedback(): Boolean

Learning
- -feedback: ArrayList<Feedback>
- +isMatchOk(): Boolean
- +learn(): Boolean
- +computeFeedback(): Boolean
- +suitableUser(): Boolean

Notification
- -response: Response
- +notifyResponse(requester: Requester): Boolean

Response
- -request: Request
- -ready: Boolean
- -isAccepted: Boolean
- -responderID: int
- +cancel(): Boolean
- +notifyReady(): Boolean

FeedbackRequester
- -author: Responder
- -recipient: Requester

FeedbackResponder
- -author: Requester
- -resipent: Responder

Matcher
- -allResponders: ArrayList<Responder>
- +makeMatch(request: Request): ArrayList<Responder>
- +redoMatch(oldMatch: ArrayList<Respoder>): ArrayList<Responder>
- +findGoodRespoders(): Boolean
- +getAllResponders(): Boolean

Scheduler
- -preferenceResponder: Preferences
- -preferenceRequester: Preferences
- -requester: Requester
- -responder: Responder
- +isResponderAvailable(): Boolean
- +notifyResponse(): Boolean
- +sendRequestToResponder(): Boolean
- +sendFeedback(feedBack: FeedBack): Boolean

Request
- -title: String
- -ready: boolean
- -requesterID: int
- -startTime: Date
- -endTime: Date
- -responderID: int
- -requestPreferences: Preferences
- -Id: int
- -hourlyRate: int
- +cancel(): Boolean
- +sendRequest(): Boolean

ContactEngine
- -matches: ArrayList<Responder>
- -request: Request
- -finalMatch: Responder
- +notify(): Boolean
- +doMatch(): ArrayList<Responder>
- +log(): Boolean
- +makePayment(): Boolean
- +cancelRequest(): Boolean
- +getInstance(): ContactEngine

Relationship labels:
- +bankAccount
- +createStatistics
- +suitableUser
- +DB
- +makePayment
- +EXTENDS
- -contactInfo
- -userPreference
- +logUser
- -allResponders
- +log
- +respond
- +confirmPayment
- +notifyResponse
- -feedback
- +postRequest
- +makeRequesterFeedback
- +makeResponderFeedback
- -LEARNER
- +sendResponse
- +notifyReady
- +sendFeedback
- +makeMatch
- +getAllResponders
- +sendRequestToResponder
- +notifyResponse
- +doMatch
- +sendRequest