ThesisDao

```
+findThesesByUserId(userId:Integer): List<Thesis>
+getThesesListToDisplay(): List<Thesis>
+getCountOfRecords(): Integer
+findThesesUnderReview(isUnderReview:Boolean): List<Thesis>
+findReviewedTheses(): List<Thesis>
+findThesesBySupervisorId(supervisorId:Integer): List<Thesis>
```

ThesisService

```
-thesisDao: ThesisDao
-jdbcTemplate: JdbcTemplate

+addThesis(thesis:Thesis): Thesis
+updateTheseses(thesis:Thesis): Thesis
+deleteThesisById(id:Integer): void
+getThesesList(): List<Thesis>
+getThesesListToDisplay(): List<Thesis>
+findThesesById(id:Integer): Thesis
+findThesesByUserId(userId:Integer): List<Thesis>
```

ThesisController

```
-thesesService: ThesesService

+getThesesList(): List<Thesis>
+getThesesListToDisplay(): List<Thesis>
+findThesesById(id:Integer): Thesis
+addTheseses(thesis:Thesis): Thesis
+updateTheses(thesis:Thesis): Thesis
+deleteTheses(id:Integer): void
+findThesesByUserId(userId:Integer): List<Thesis>
```

ReviewDao

```
+findReviewByThesisId(thesisId:Integer): List<Review>
+findReviewsByThesisIdAndReviewerId(thesisId:Integer,
reviewerId:Integer): List<Review>
+findReviewByThesisIdAndReviewerId(thesisId:Integer,
reviewerId:Integer): Review
+findReviewsByReviewerId(reviewerId:Integer): List<Review>
+findThesesByUserIdAndReviewerId(userId:Integer,
reviewerId:Integer): List<Review>
+countByThesesesId(thesisId:Integer): Integer
```

ReviewService

```
-reviewDao: ReviewDao
-thesisDao: ThesisDao
-fileDao: FileDao
-userDao: UserDao
-userService: UserService
-fileService: FileService

+addReview(review:Review): Review
+getReviewData(): List<Review>
+findThesesByUserIdAndReviewerId(userId:Integer,
reviewerId:Integer): List<Thesis>
+findReviewByThesisId(thesisId:Integer): List<Review>
+Proba(object:Object): UUID
+setColumnWidth(table:XWPFTable,columnIndex:int,
widthInCentimeters:double): void
```

ReviewController

```
-reviewService: ReviewService
-fileService: FileService
-statusService: StatusService

+addReview(reviewData:Review): Review
+getFileList(): List<Triple<Integer, String,
String>>
+getReviewData(): List<Review>
+generateReview(docxData:Object): ResponseEntity<FileSystemResource>
+findThesesByUserIdAndReviewerId(userId:Integer,
reviewerId:Integer): List<Thesis>
+findFilesByThesesId(thesisId:Integer): void
```

FileDao

```
+findByTheses(thesisId:Integer): List<File>
+findFilesByThesesId(): List<File>
```

FileService

```
-fileDao: FileDao
-thesisDao: ThesisDao
-userService: UserService
-thesesService: ThesesService
-jdbcTemplate: JdbcTemplate

+assembleFileWithStudent(fileId:int,thesisId:int): void
+findThesesByLoggedInStudent(userId:Integer): List<Thesis>
+getFile(filename:String): FileSystemResource
+getFilenameByUUID(uuid:UUID): String
+getFilenameTwoByUUID(uuid:String): String
+deleteFileById(uuid:String): void
+uploadFile(file:MultipartFile): int
```

StatusService

```
-fileDao: FileDao
-thesesService: ThesesService
-userService: UserService
-emailSenderService: EmailSenderService
-userDao: UserDao

+getNeccessaryData(): List<Triple<Integer,
String, String>>
+findFilesByThesesId(thesisId:Integer): void
```

Review

```
-id: int
-reviewer_id: int
-thesis_id: int
-invitation_date: date
-score: int
-description: text
-city: text
-submission_date: date

+getId(): Integer
+setId(reviewId:Integer): void
+getUser(): User
+setUser(user:User): void
+getTheseses(): Thesis
+setTheseses(thesis:Thesis): void
+getInvitationDate(): Date
+setInvitationDate(invitationDate:Date): void
+getScore(): Integer
+setScore(score:Integer): void
+getDescription(): String
+setDescription(description:String): void
+getCity(): String
+setCity(city:String): void
+getSubmissionDate(): Date
+setSubmissionDate(submissionDate:Date): void
```

Thesis

```
-id: int
-review_id: int
-session_id: int
-user_id: int
-supervisor_id: int
-consultant_id: int
-title: text
-faculty: text
-department: text
-speciality: text
-language: text
-has_msc_apply: bool
-submission_date: date
-topic_id: int
-answer: text
-topic_score: int
-is_under_review: bool
-reviews_remaining: int

+getId(): Integer
+setId(id:Integer): void
+getSessionId(): Session
+setSessionId(sessionId:Integer): void
+getUserId(): Integer
+setUserId(studentId:Integer): void
+getSupervisorId(): Integer
+setSupervisorId(supervisorId:Integer): void
+getConsultantId(): Integer
+setConsultantId(consultantId:Integer): void
+getTitle(): String
+setTitle(title:String): void
+getFaculty(): String
+setFaculty(faculty:String): void
+getDepartment(): String
+setDepartment(department:String): void
+getSpeciality(): String
+setSpeciality(speciality:String): void
+getLanguage(): String
+setLanguage(language:String): void
+getHasMscApply(): Boolean
+setHasMscApply(hasMscApply:Boolean): void
+getSubmissionDate(): Date
+setSubmissionDate(submissionDate:Date): void
+getTopicId(): Topic
+setTopicId(topicId:Integer): void
+getAnswer(): String
+setAnswer(answer:String): void
+getTopicScore(): Integer
+setTopicScore(topicScore:Integer): void
+toString(): String
+decreaseRemainingReviews(): void
```