



ReviewFacade	Graphq1Facade	MaterialFacade	MemberFacade	ProblemFacade	ReservationFacade	PermissionFacade
- findRequest(requestId: UUID):RequestEntity - createReview(reviewEntity: ReviewEntity):	+ executeQuery(form: GraphqlQuery): Future[Json]+ findAll: List[Department] + executeQuery(document: Document, operationName:Option[String],variables: option[Json]): Future[Json]+ roles(id: UVID): List[Role]	+ find(id: UUID):Material + create(input: CreateMaterialInput):Material + delete(input: DeleteMaterialInput):Department	+ find(id: UUID):Member + findByUsername(username: String):Member + requests(id: UUID):List[Request] + reviews(id: UUID):List[Review] + reservations(id: UUID):List[Reservation] + roles(id: UUID):List[Role] + departments(id: UUID):List[Department]	+ find(id: UUID): Try[Problem] + create(input: CreateProblemInput): Try[Problem]	+ find(id: UUID):Reservation	+ find(name: String):Permission + permissions: List[Permission]

## BaseFacade

- + findById(id: UUID): Member
- + getIdentity(member: Member): Identity
- + login(username: String, password: String): MemberWithToken
- findOrElseCreateMember(existingMember: ExistingMemberEntity): MemberEntity
- createToken(memberId: UUID): String

AuthenticationFacade	AuthorizationFacade	RoleFacade	DepartmentFacade	RequestFacade	SpaceFacade	ImageUploadFacade
Authentication-acade  + findById(id: UUID): Member  + getIdentity(member: Member): Identity + login(username: string, password: String): MemberkilhToken - findOrElseCreateMember(existingMember: ExistingMemberEntity): MemberEntity  - createToken(memberId: UUID): String	Authorization-acade  + hasAccess(access: Access, accesses: List(Access): Boolean  + permissions(memberId: UUID, departmentId: UUID): List(Permission)  + accesses(memberId: UUID, departmentId: UUID): List(Access) - accesses(memberId: UUID, departmentName: String): List(Access: Access)(memberAccesses: List(Access)): Boolean	Hole-acade  + find(id: UUID): Try[Role] + findByName(department: String, name: String): Role + members(id: UUID): List[Member] + create(input: CreateRoleInput): Role + update(input: UpdateRoleInput): Role + delete(input: DeleteRoleInput): Department + assign(input: AssignRoleInput): Role + revoke(input: RevokeRoleInput): Role	Department+acade  + find(id: UUID): Department + findAll: List[Department] + findByName(name: String): Department + roles(id: UUID): List[Role] + materials(id: UUID): List[Material] + spaces(id: UUID): List[Material] + create(input: CreateDepartmentInput): Department - isDepartmentNameValid(name: String): Boolean	# find(id: UUID):Request  + reviews(id: UUID):List[Review]  + create(input: CreateRequestInput):Request  + cancel(input: CancelRequestInput):Member  - isMemberOwnRequest(member: Member, request: RequestEntity)	* find(id: UUID): Try[Space]  * findSyName(department: String, name: String):Space  * searchByName(name: String):List[Space]  * findAll: List[Space]  * requests(space: Space): List[Request]  * reservations(space: Space): List[Reservation]  * create(input: CreateSpaceInput):Space  * update(input: UpdateSpaceInput):Space  * update(input: UpdateSpaceInput):Space  * update(input: OpdateSpaceInput):Space  * update(input: OpdateSpaceInput):Space	Imageupioan-acade  + createSpaceuploadSignUrl(spaceId: String): String - createSignatureString - string - string: String - stgnString(ss String, privateKey: PrivateKey): String - getPrivateKey: PrivateKey - removePrivateKeyTag(privateKey: String):

ProblemPersist	SpacePersist	MemberRolePersist	MaterialPersist	ReviewPersist	ReservationPersist
+ find(id: UUID): Option[ProblemEntity] + findBySpaceId(spaceId: UUID): List[ProblemEntity] + create(problem: ProblemEntity): Boolean	+ space(query: String, department: Option[String], tags: List[String], capacity: Option[Int]): List[SpaceEntity]	+ find(memberId: UUID, roleId: UUID): Option[MemberRoleEntity] + insert(memberRoleEntity: MemberRoleEntity): Boolean + delete(memberId: UUID, roleId: UUID): Boolean	+ find(id: UUID): Option[MaterialEntity] + findByDepartmentId(departmentId: UUID): List[MaterialEntity] + create(materialEntity: MaterialEntity): Boolean + delete(id: UUID): Boolean	+ find(id: UUID): Option[ReviewEntity] + findSyRequestId(requestId: UUID): List[ReviewEntity] + findSyReviewerId(reviewerId: UUID): List[ReviewEntity] + insert(reviewEntity: ReviewEntity): Boolean	+ find(id: UUID): Option[ReservationEntity] + findBySpaceId(spaceId: UUID): List[ReservationEntity] + findByClientId(clientId: UUID): List[ReservationEntity] + insert(reservationEntity: ReservationEntity: ReservationEntity:

AuthenticationPersist	RolePersist	DepartmentPersist	MemberPersist	RequestPersist	SearchPersist
+ findByMemberId(memberId: UUID): List[NemberDepartmentRelationEntity]	+ find(id: UUID): Option(RoleEntity) + findGyMame(departmentName: String, name: String): Option(RoleEntity) + findByDepartmentId(departmentId: UUID): List(RoleEntity) + findByMerId(memberId: UUID): List(RoleEntity) + insert(roleEntity: RoleEntity): Boolean + update(roleEntity: RoleEntity): Boolean + delete(id: UUID): Boolean	+ find(id: UUID): Option[DepartmentEntity] + findAll: List[DepartmentEntity] + findByName(name: String): Option[DepartmentEntity] + findByNemberId(id: UUID): List[DepartmentEntity] + insert(departmentEntity): Boolean	+ find(id: UUID): Option[MemberEntity] + findByUsername(username: String): Option[MemberEntity] + findByRoleId(roleId: UUID): List[MemberEntity] + insert(member: MemberEntity): Option[MemberEntity]	+ find(id: UUID): Option[MemberEntity] + findByUsername(username: String): Option[MemberEntity] + findByBolat(roleId: UUID): List[MemberEntity] + insert(member: MemberEntity): Option[MemberEntity]	+ find(id: UUID): Option[SpaceEntity] + saarchByWame(name: String): List[SpaceEntity] + findByWame(departmentName: String, spaceName: String): Option[SpaceEntity] + findByWepartmentId(departmentId: UUID): List[SpaceEntity] + findAll: List[SpaceEntity] + insert(space: SpaceEntity): Boolean + update(space: SpaceEntity): Boolean + delete(id: UUID): Boolean



