AuthinticationService

+signIn(email: String, hashedPassword: String): boolean

+userExist(email: String): boolean +isValidEmail(email: String): boolean

AdminService

-userRepo: UserRepository-courseRepo: CourseRepository-authServise: AuthinticationService

+addUser(user:User): boolean

+changePassword(email:String, hasedPassword: String)

+UpdateUser(user:User)
+addCourse(course:Course)

+addUserToCourse(email:String,courseCode: String)

PostService

-postRepo: PostRepository

-commentRepo: CommentRepository

+getPosts(courseCode:String)

+addPost(post: Post,courseCode: String)

+addComment(comment: Comment, postId: Long)

+getComments(courseCode: String)

UserService

-courseRepo: CourseRepository

-userRepo: UserRepository

-deliverableRepo: DeliverableRepository

+getCourses(email: String)

+getAssignments(courseCode:String)

StudentService

+getDeliverables(email: String)

+getDeliverablesForCourse(email: String, courseCode: String)

+submitDeliverable(deliverable:Deliverable)

TeacherService

+getDeliverablesForCourse(courseCode:String)

+getDeliverablesForAssignment(assignmentld:Long)

+addAssignment(assignment: Assignment)

+gradeDeliverable(deliverableId: Long, grade: int)



