# Hugbúnaðarverkefni 1

# Verkefni 3 - UML Class Diagram

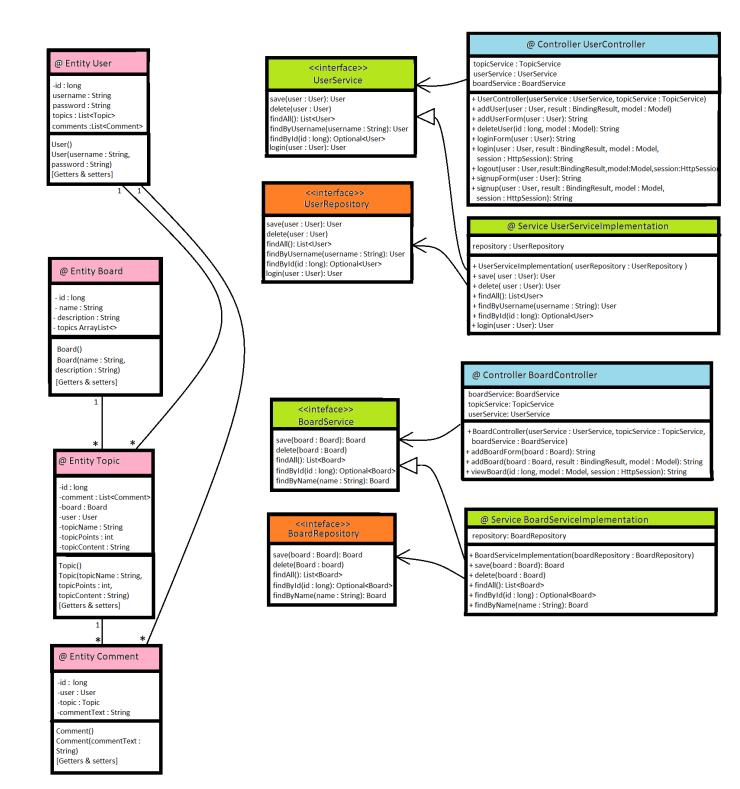
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Október 2020



## <<interface>> **TopicService**

save(topic : Topic): Topic delete(topic: Topic) findAll(): List<Topic>

findById(id:long): Optional<Topic> findByBoard(id : long): Board findByUser(id : long): User findAllByBoardId(id : long)

#### <<interface>> TopicRepository

save(topic : Topic): Topic delete(topic : Topic) findAll(): List<Topic>

findById(id : long): Optional<Topic> findByBoard(id : long): Board findByUser(id : long): User findAllByBoardId(id : long): List<Topic>

#### @ Controller TopicController

homeController: HomeController topicService: TopicService userService: UserService

- + TopicController(userService : UserService, topicService : topicService) + createTopic(topic: Topic, result: BindingResult, model: Model): String
- + createTopicForm(topic: Topic): String
- + viewTopicContent(id : long, model : Model): String + deleteTopic(id : long, model : Model): String
- +addCommentToTopic(comment:Comment,id:long,result:BindingResult,

model:Model,session:HttpSession): String

#### @ Service TopicServiceImplementation

repository: TopicRepository

- + TopicServiceImplementation( topicRepository : topicRepository)
- + save(topic : Topic): Topic - delete(topic : Topic): Topic + findAll(): List<Topic>
- findById(id:long): Optional<Topic> + findByBoard(id : long): Board + findByUser(id : long): User
- findAllByBoardId(id : long): List<Topic>

## <<interface>> CommentService

save(comment: Comment): Comment delete(comment: Comment)

findAll(): List<Comment>

findById(id: long): Optional<Comment>

findByTopic(id : long): Topic findByUser(id : long): User findAllByTopicId( id : long ): ist<Comment>

# <<interface>> CommentRepository

save(comment: Comment): Comment delete(comment: Comment)

findAll(): List<Comment>

findById(id: long): Optional<Comment>

findByTopic(id: long): Topic findByUser(id : long): User findAllByTopicId( id : long ):

ist<Comment>

#### @ CommentController

homeController : HomeController topicService : TopicService userService: UserService commentService : CommentService

CommentController(commentService: CommentService, userService: UserService, topicService: TopicService)

# @ Service CommentServiceImplementation

repository : CommentRepository

- + CommentServiceImpementation(commentRepository:CommentRepository
- + save(comment : Comment): Comment
- delete(comment : Comment)
- findAll(): List<Comment>
- findById(id:long): Optional<Comment>
- findByTopic(id : long): Topic findByUser(id:long): User
- findAllByTopicId( id : long ): List<Comment>