

Service Layer

TaskService

- _boardFacade: BoardFacade

+ AddTask(bn, title, description, due, id, email): Response<TaskSL>
+ MoveTask(bn, column, id, email): Response<>
+ UpdateTask(bn, title, description, due, id, email, column): Response<>

TaskSL

+ Title: string
+ Due: DateTime
+ Description: string
+ CreationTime: DateTime
+ Id: int

BoardService

- _boardFacade: BoardFacade

+ CreateBoard(bn, email): Response<BoardSL>
+ DeleteBoard(bn, email): Response<>
+ LimitColumn(bn, column, limit, email): Response<>
+ GetColumn(email, bn, column): Response<List<TaskSL>>
+ GetColumnLimit(email, bn, column): Response<int>
+ GetColumnName(email, bn, column): Response<string>
+ InProgressTasks(email): Response<List<TaskSL>>

ServiceFactory

- _userService: UserService
- _boardService: BoardService
- _taskService: TaskService
- _boardFacade: BoardFacade
- _userFacade: UserFacade

BoardSL

+ Name: string

UserService

- _userFacade: UserFacade

+ Login(un, pass): Response<UserSL>
+ Register(un, pass, email): Response<UserSL>
+ Logout(): Response<>

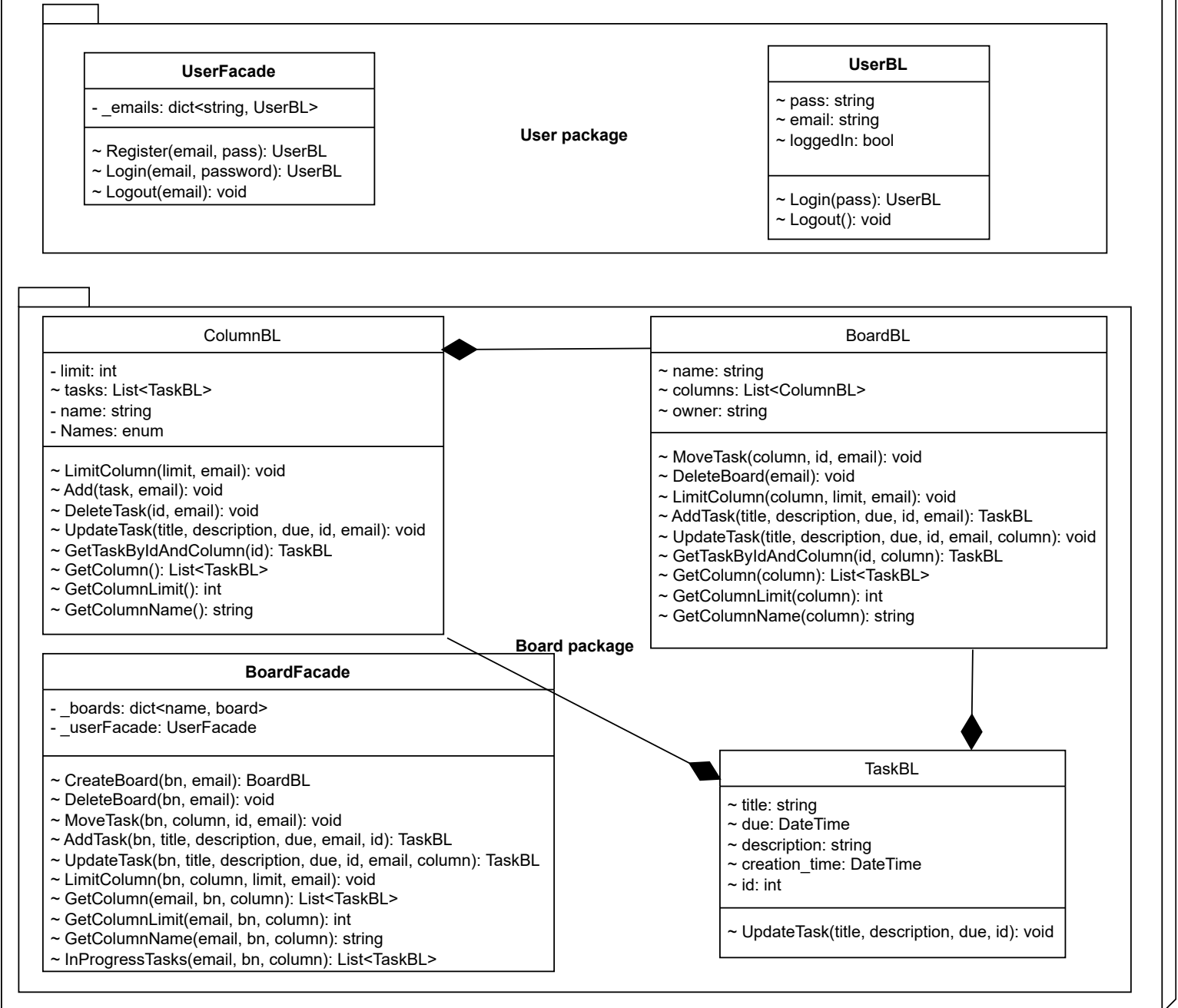
UserSL

- _password: string
+ Email: string

Response

+ ErrorMsg: string
+ RetVal: object

Business Layer



שינויים מאז העיצוב הקודם:

access modifiers were changed based on the structure of the project and the function's/field's position

userfacade was added in boardfacade in order to validate email

dates were changed from string to DateTime because of GradingService

added functions required in GradingService

name and enum for each column were added

a reference to the owner a board was added

changed everything from name to email - user wise

loggedIn field was added in UserBL

removed from all SL objects unused/unnecessary fields

changed structure of ServiceLayer