

Changes in design

Business Layer:

Class - User

Before changes	After changes	Justifications
ChangePassword(old , new): void	deleted	Not needed .
	field- LoggedIn:boolean	We added this field in order to check if the user is connected.
	+GetEmail():string	Was needed to complete IsThereUserLoggedIn function.
	+Login(password): boolean	We added this function in order to check if the received password is the correct one (to allow login of the user).
	+validateEmail(email):bool	We added this function in order to check if the entered email is valid (when a user wants to register).
	+IsLoggedIn():bool	Was needed to check the User connection status (in CheckUser and IsThereUserLoggedIn functions).

Class - UserController

Before changes	After changes	Justifications
	+IsThereUserLoggedIn():void	Was needed in the Login feature.

Class - Board

Before changes	After changes	Justifications
fields: id:string	deleted	Wasn't used.
	fields: -totalTaskNum: int - הכמות הכוללת של המטלות	For TaskId purposes
	fields: -ORDINAL_NUM_FIRST_COLUMN: int	Changed to const - A valuable number (A specific Column number).
	fields:-ORDINAL_NUM_LAST_COLUMN:	Changed to const - A

	int	valuable number (A specific Column number).
addTask(task): void	+AddTask(title,description,dueDate):void	The function needs to receive a title, description and a dueDate in order to create a new task object and add him to the board (to a specific column).
	+GetColumn(columnOrdinal): Column	We needed this function for the GetColumn feature.
	+AdvanceTask(columnOrdinal,taskId):void	

Class - BoardController

Before changes	After changes	Justifications
addBoard():void	+AddBoard(email, name):void	The function needs to receive email and name of the board in order to add a board.
getBoard(id):Board	+GetBoard(email,name):Board	The function needs to receive email and name of the board in order to get a board.
removeBoard(id):void	+RemoveBoard(email,name):void	The function needs to receive email and name of the board in order to remove a board.
	+CheckUser(email): void	check if the user exists and if he is logged in.

Class - Task

Before changes	After changes	Justifications
fields: status:int	deleted	Wasn't used.
	fields: -ID:int	Changed according to requirements
fields: CreationTime: string	fields: - CreationTime : DateTime	Changed from string to DateTime (because this is a date).
fields: DueDate: string	fields: - DueDate: DateTime	Changed from string to DateTime (because this is a date).
	fields:-MAX_AMOUNT_OF_CHA	Changed to const - A

	RCTERS_IN_DESCRIPTION:int	valuable number.
	fields: -MAX_AMOUNT_OF_CHARCTERS_IN_TITLE:int	Changed to const - A valuable number.
	+GetTitle():string	Was needed in "InProgressTasks" and in "GetColumn"
	+GetDescription():string	Was needed in "InProgressTasks" and in "GetColumn"
	+GetCreationTime():DateTime	Was needed in "InProgressTasks" and in "GetColumn" and in "AddTask"
	+GetDueDate():DateTime	Was needed in "InProgressTasks" and in "GetColumn"
	+GetId():int	Was needed in "InProgressTasks" and in "GetColumn" and in "AddTask"
+SetTitle():void	+SetTitle(newTitle):void	Logical fixes
+SetDescription():void	+SetDescription(newDescription):void	Logical fixes
+SetDueDate():Void	+SetDueDate(newDueDate):void	Logical fixes

Class - Column

Before changes	After changes	Justifications
	fields: -name:string	Changed according to requirements
	fields: -INFINITY_TASKS:int	Changed to const - A valuable number
	fields: -BACK_LOG:int	Changed to const - A valuable number (A specific Column number).
	fields: -IN_PROGRESS:int	Changed to const - A valuable number (A specific Column number).
	fields: -DONE:int	Changed to const - A valuable

		number (A specific Column number).
	+GetTask(taskId):Task	Was needed in "AdvanceTask", "updateTitle", "updateDueDate", "updateDescription".
	+UpdateTitle(taskId,title):void	Was needed in "UpdateTaskTitle" in service
	+UpdateDueDate(taskId,DueDate):void	Was needed in "UpdateTaskDueDate" in service
	+UpdateDescription(taskId,description):void	Was needed in "UpdateTaskDescription" in service
	+IsDone():boolean	Was needed to check whether the task is in the DONE column or not.
	+GetName():string	Was needed in "IsDone", "GetColumnName"
	+GetNumberOfColumn():int	Was needed to set a column name for each column
	+SetMaxNumberOfTasks(newMaxNum):void	Was needed to change the limit of each column
	+GetMaxNumberOfTasks():int	Was needed to use the column limit for checking purposes
	+GetTasks():Dictionary<Int,Task>	Was needed to access the column task by key(TaskId)
	+GetListOfTasks():List<Task>	Was needed for returning a list of tasks.
+moveTask(task):void	deleted	Wasn't used.

Class- Password

Before changes	After changes	Justifications
	fields: -maxLengthOfPassword: int	Changed to const - A valuable number
	fields: -minLengthOfPassword: int	Changed to const - A valuable number