

Service Layer

BoardService

-boards:Dictionary<IdBoard,Board>

+boardController(): BoardController
+LimitColumn(userEmail,creatorEmail,BoardName,ColumnOrdinal,limit,UserController):Response
+GetCoulmnLImit(userEmail,creatorEmail,BoardName,ColumnOrdinal,UserController):Response<int>
+GetColumnName(userEmail,creatorEmail,BoardName,ColumnOrdinal,UserController):Response<String>
+AddTask(userEmail,creatorEmail,BoardName,Titel,description,dueDate,UserController):Response<Task>
+UpdateTaskDueDate(userEmail,creatorEmail,BoardName,CoulmnOrdinal,taskId,DueDate,UserController):Response
+UpdateTasktitel(userEmail,creatorEmail,BoardName,CoulmnOrdinal,taskId,titel,UserController):Response
+UpdateTaskDescription(userEmail,creatorEmail,BoardName,CoulmnOrdinal,taskId,description,UserController):Response
+advanceTask(userEmail,creatorEmail,BoardName,CoulmnOrdinal,taskId,UserController):Response
+GetColumn(userEmail,creatorEmail,BoardName,CoulmnOrdinal,UserController):Response<IList<Task>>
+AddBoard(userEmail,name,UserController):Response
+JoinBoard(userEmail, creatorEmail, boardName,UserController):Response
+RemoveBoard(userEmail, creatorEmail,name,UserController):Response
+InProgressTasks(userEmail,UserController):Response<IList<Task>>
+AssignTask(userEmail,creatorEmail, boardName, columnOrdinal, taskId,emailAssignee,UserController):Response
+GetBoardNames(userEmail, UserController):Response<List<String>>

DataService

+LoadData(UserService, BoardService):Response
+DeleteData(UserService, BoardService):Response

UserService

-UserController: userController

+UserController(): userController
+Register(userEmail,password):Response
+Login(userEmail,password):Response<User>
+Logout(userEmail): Response

Service

+LoadData():Response
+DeleteData():Response
+Register(userEmail,password):Response
+Login(userEmail,password):Response<User>
+Logout(userEmail): Response
+LimitColumn(userEmail,creatorEmail,BoardName,ColumnOrdinal,limit):Response
+GetColumnName(userEmail,creatorEmail,BoardName,ColumnOrdinal):Response<String>
+AddTask(userEmail,creatorEmail,BoardName,Titel,description,dueDate):Response<Task>
+UpdateTaskDueDate(userEmail,creatorEmail,BoardName,CoulmnOrdinal,taskId,DueDate):Response
+UpdateTasktitel(userEmail,creatorEmail,BoardName,CoulmnOrdinal,taskId,titel):Response
+UpdateTaskDescription(userEmail,creatorEmail,BoardName,CoulmnOrdinal,taskId,description):Response
+advanceTask(userEmail,creatorEmail,BoardName,CoulmnOrdinal,taskId):Response
+GetColumn(userEmail,creatorEmail,BoardName,CoulmnOrdinal):Response<IList<Task>>
+AddBoard(userEmail,name):Response
+JoinBoard(userEmail, creatorEmail, boardName):Response
+RemoveBoard(userEmail, creatorEmail,name):Response
+InProgressTasks(userEmail):Response<IList<Task>>
+AssignTask(userEmail,creatorEmail, boardName, columnOrdinal, taskId,emailAssignee):Response
+GetBoardNames(userEmail,):Response<IList<String>>
+RemoveColumn(userEmail, creatorEmail, boardName,columnOrdinal):Response
+AddColumn(userEmail, creatorEmail, boardName, columnOrdinal, columnName):Response
+RenameColumn(userEmail, creatorEmail, boardName, columnOrdinal,newColumnName):Response
+MoveColumn(userEmail, creatorEmail, boardName, columnOrdinal, shiftSize):Response

Response

+ ErrorMessage:string
+ErrorOccured:bool

Extends

Response<T>

+Value:T
#FromValur(value):Response<T>
#FromError(msg):Response<T>

User

+email:string

Column

+email:string
+ id: int
+ name: string
+maxTaskLimit:int
-dictTask:Dictionary<int, Task>

Task

+ Id:int
+CreationTime:datetime
+Title:string
+Description:string
+DueDate:datetime
+ emailAssignee: string

Board

+ name:string
+ email: string
+Backlog:Column
+ inProgress:Column
+ done:Column
+BoardMember:List<string> BoardMember

Business Layer

