Service Layer

BoardService

- -boards:Dictionary<IdBoard,Board>
- +boardController(): BoardController
- +LimitColumn(userEmail,creatorEmail,BoardName,ColumnOrdinal,limit,UserController):Response
- +GetCoulmnLlmit(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,taskld,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<!List<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

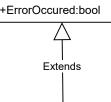
UserService

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

Service

Response

- + ErrorMessage:string



Response<T>

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

- +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

User

+email:string

Column

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

Task

- + Id:int
- +CreationTime:datetime
- +Title:string
- +Describtion:string
- +DueDate:datetime
- + emailAssignee: string

Board

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

Business Layer

