## Buisness Layer

## BoardController + Register (email): void + addBoard (email, name) : void + inProgress (email) column + removeBoard (email, name) : Board + addTask (email, boardName, title, description, duaDate): Task + moveTask (email,boardName, columnOrdinal TaskId) : void + changeDueDate (email, boardName, ColumnOrdinal, taskId, dueDate) : void + changeTitle (email, boardName ,columnOrdinal, taskId, title) : void + changeDescreption (email, boarName,ColumnOrdinal, taskId, description): void +GetColumnName (email,boardname,columnOrdinal):string +LimitColunm (email, boardname, columnOrdinal, limit) : void +GetColumnLimit (email,boardName,columnOrdinal): int + GetColumn(email, boardName, columnOrdinal) : List<Task> + InProgressTasks (email) : List<Task> FindBoard (email, boardName) : Board BoardsToList (email) : List<Board> -dictionary <email,boards> Board - id: int name : string - baord : List<Colunm> -idcounter = 1: int + addTask (dueDate, title, description): Task + RemoveTask (id, columnOrdinal) : Task + moveTask (id, columnOrdinal) : void + changeDueDate (id, columnOrdinal, newdueDate) : void + changeTitle (id, columnOrdinal, title) : void + changeDescreption (id, columnOrdinal, description) : void +GetColumnName (columnOrdinal): string +LimitColumn (columnOrdinal,limit): void +GetColumnLimit (columnOrdinal): int + GetColumn (columnOrdinal) : List<Task> - GetBoardId(): int column + name: string tasks : Dictionary<int, Task> columnLimitVerifier : boolean = false columnLimiter: int + limitTasks (int) : void + GetColumnLimit(): int + addTask (id, dueDate, title, description): Task + removeTask(id) : Task + changeDueDate (id, Duedate) : void + changeTitle (id, new Title) : void + ChangeDescreption (id, newDescription) : void + GetColumnName(): string + Tasks : List<Task> dictionary<id,task> + id: int + creationTime : DateTime - dueDate : DateTime - title : string - descreption : string - final static titleLength : int = 50 - final static descreptionLength : int = 300 + changeDueDate (NewDueDate) : void + changeTitle NewTitle) : void + changeDescreption (New Description) : void + GetDueDate() : DateTime + GetDescription(): string + GetTitle(): string + GetId(): int + GetCreationTime(): DateTime + CheckDuedate(dueDate) : void + CheckDescription(description): void + CheckTitle(title): void

## + register (email, pass) : void + login (email, pass) : User + logout (email) : void + ValidateUserLoggin (email) : void 1 - users 1..n User - email : string

- email : string
   password : string
   Isloggedin: boolean
- + login (email, pass) : void + logout() : void
- + logout() : void
- IsValidEmail (email) : boolean
- + ValidateUserLoggin(): boolean
- PasswordVerifier (pass) : void