

Service Layer

UserService
- uf: UserFacade
+ ChangePassword(email: string, oldP: string, newP: string): string
+ ChangeEmail(oldEmail: string, passworrd: string, newEmail: string): string
+ Register(email: string, password: string): string
+ Login(email: string, password: string): string
+ Logout(email: string): string

Response
+ value: string
+ error: string

TaskService
- uf: UserFacade
- bf: BoardFacade
+ AddTask(email: string, boardName: string, title: string, description: string, due_date: dateTime): string
+ GetTask(email: string, boardName: string ,taskId: int): string
+ DeleteTask(email: string boardName: string, taskId: int): string
+ AdvanceTask(email: string, boardName: string, taskId: int, columnOrdinal: int): string
+ UpdateTaskeDueDate(email: string, boardName: string, taskId: int, newDueDate: DateTime): string
+ UpdateTaskTitle( email: string, boardName: string, taskId: int, newTilte: string): string
+ UpdateTaskDescription( email: string, boardName: string, taskId: int, newDescription: string): string
+ InProgressTasks(email:string): string

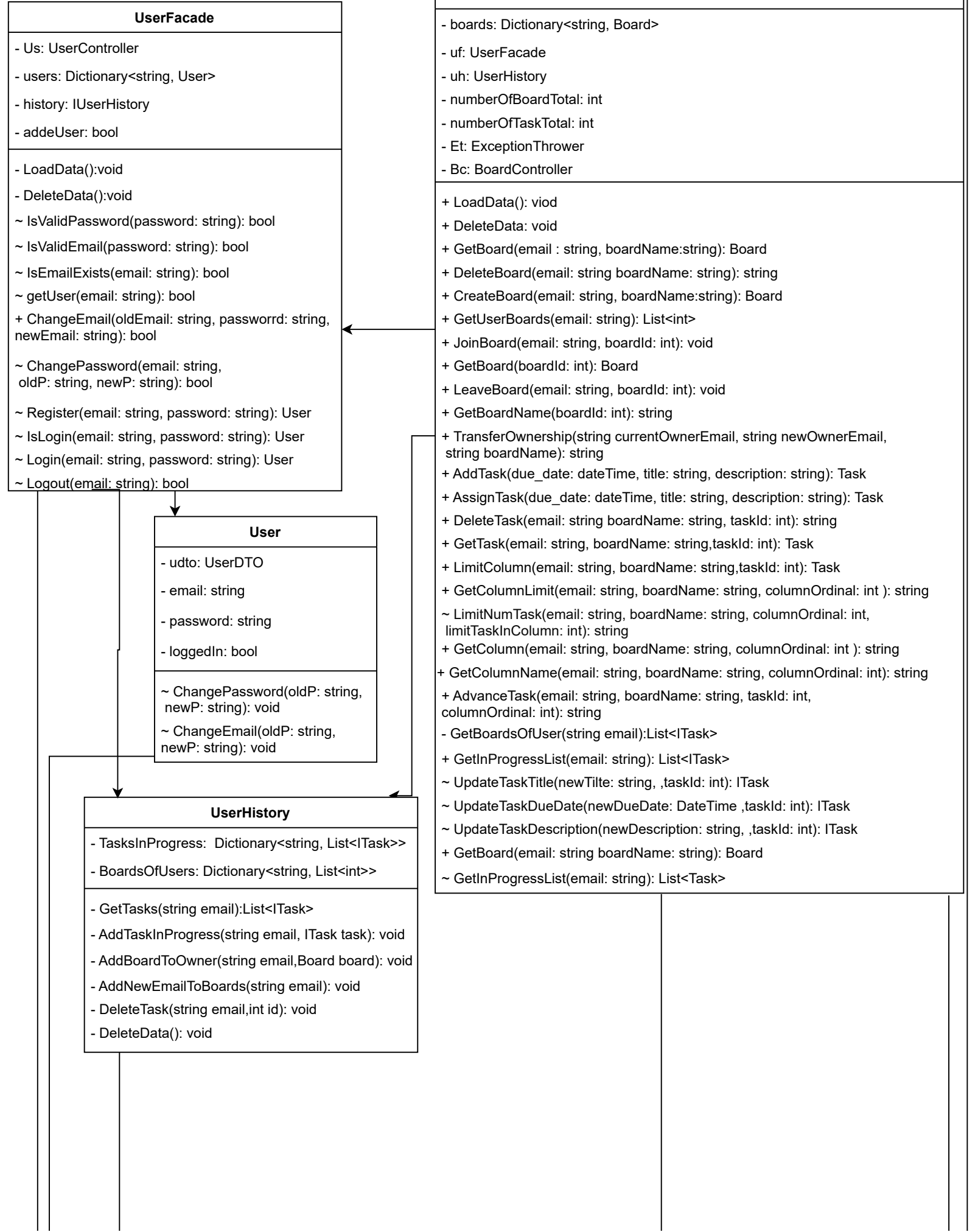
BoardService
- bf: BoardFacade
- uf: UserFacade
- column: List<List<Task>>
+ CreateBoard(email: string, boardName:string): string
+ DeleteBoard(email: string boardName: string): string
+ GetBoard(email: string boardName: string): Board
+ LimitNumTask(email: string, boardName: string,int columnOrdinal, limit: int): string
+ GetColumnLimit(email: string, boardName: string, columnOrdinal: int ): string
+ GetColumnName(email: string, boardName: string, columnOrdinal: int): string

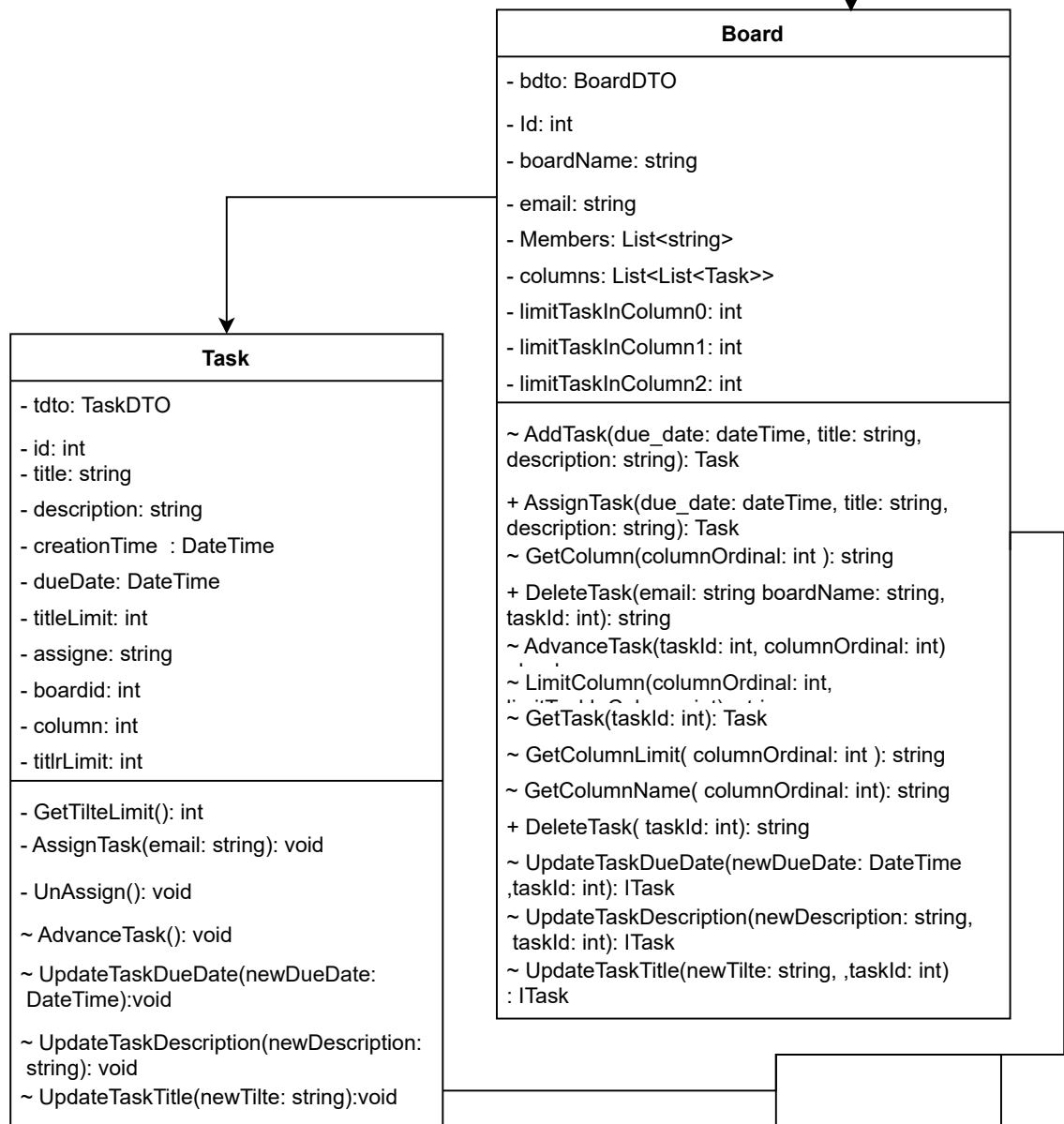
BoardToSend
+BoardName: string
- columns: List<List<Task>>
- limitTaskInColumn2: int
- limitTaskInColumn1: int
- limitTaskInColumn0: int

UserToSend
+ Email: string

TaskToSend
+ TaskId: int

Business Layer





Data Access Layer

