

## Service Layer

### UserService

- uf: UserFacade

+ Login(email: string, password: string): string  
+ Logout(email: string): string  
+ IsLoggedIn(email: string): string  
+ LoadData(): string  
+ DeleteData(): string

### BoardService

- bf: BoardFacade

+ CreateBoard(email: string, name: string): string  
+ DeleteBoard(email: string, name: string): string

### TaskService

- tf: TaskFacade

+ UpdateTaskDueDate(email: string, boardName: string, columnOrdinal: int, taskId: int, dueDate: DateTime): string  
+ UpdateTaskTitle(email: string, boardName: string, columnOrdinal: int, taskId: int, title: string): string  
+ UpdateTaskDescription(email: string, boardName: string, columnOrdinal: int, taskId: int, description: string): string  
+ InProgressTasks(email: string): string  
+ LimitColumn(email: string, boardName: string, columnOrdinal: int, limit: int): string  
+ GetColumnLimit(email: string, boardName: string, columnOrdinal: int): string  
+ GetColumnName(email: string, boardName: string, columnOrdinal: int): string  
+ AddTask(email: string, boardName: string, title: string, description: string, dueDate: DateTime): string  
+ AdvanceTask(email: string, boardName: string, columnOrdinal: int, taskId: int): string  
+ GetColumn(email: string, boardName: string, columnOrdinal: int): string  
+ LoadData(): string  
+ DeleteData(): string

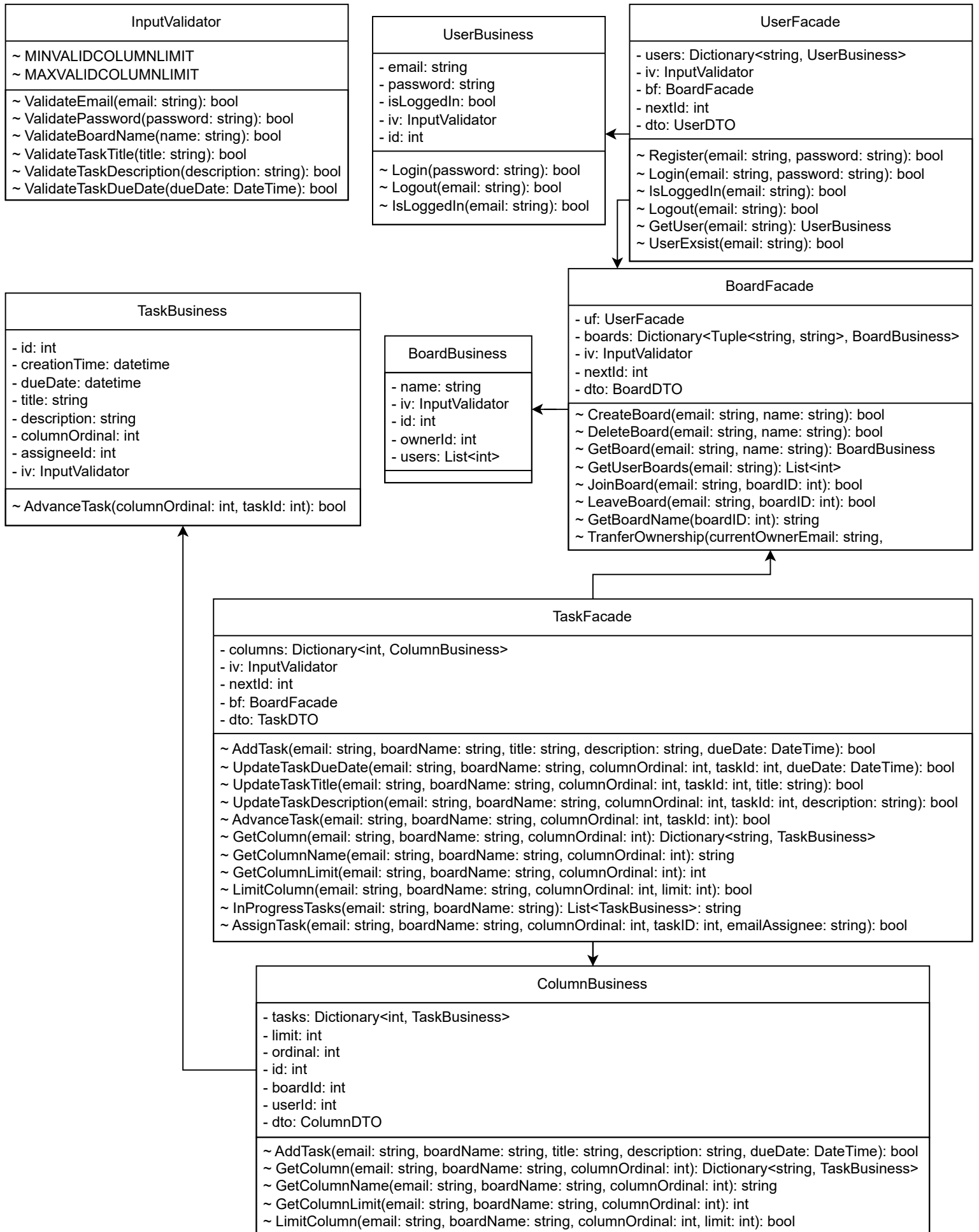
### Response

+ ErrorMessage: string  
+ ReturnValue: object

### GradingService

+ Register(email: string, password: string): string  
+ Login(email: string, password: string): string  
+ Logout(email: string): string  
+ LimitColumn(email: string, boardName: string, columnOrdinal: int, limit: int): string  
+ GetColumnLimit(email: string, boardName: string, columnOrdinal: int): string  
+ GetColumnName(email: string, boardName: string, columnOrdinal: int): string  
+ AddTask(email: string, boardName: string, title: string, description: string, dueDate: DateTime): string  
+ UpdateTaskDueDate(email: string, boardName: string, columnOrdinal: int, taskId: int, dueDate: DateTime): string  
+ UpdateTaskTitle(email: string, boardName: string, columnOrdinal: int, taskId: int, title: string): string  
+ UpdateTaskDescription(email: string, boardName: string, columnOrdinal: int, taskId: int, description: string): string  
+ AdvanceTask(email: string, boardName: string, columnOrdinal: int, taskId: int): string  
+ GetColumn(email: string, boardName: string, columnOrdinal: int): string  
+ CreateBoard(email: string, name: string): string  
+ DeleteBoard(email: string, name: string): string  
+ InProgressTasks(email: string): string  
+ LoadData(): string  
+ DeleteData(): string

## Business Layer



Data Access Layer

