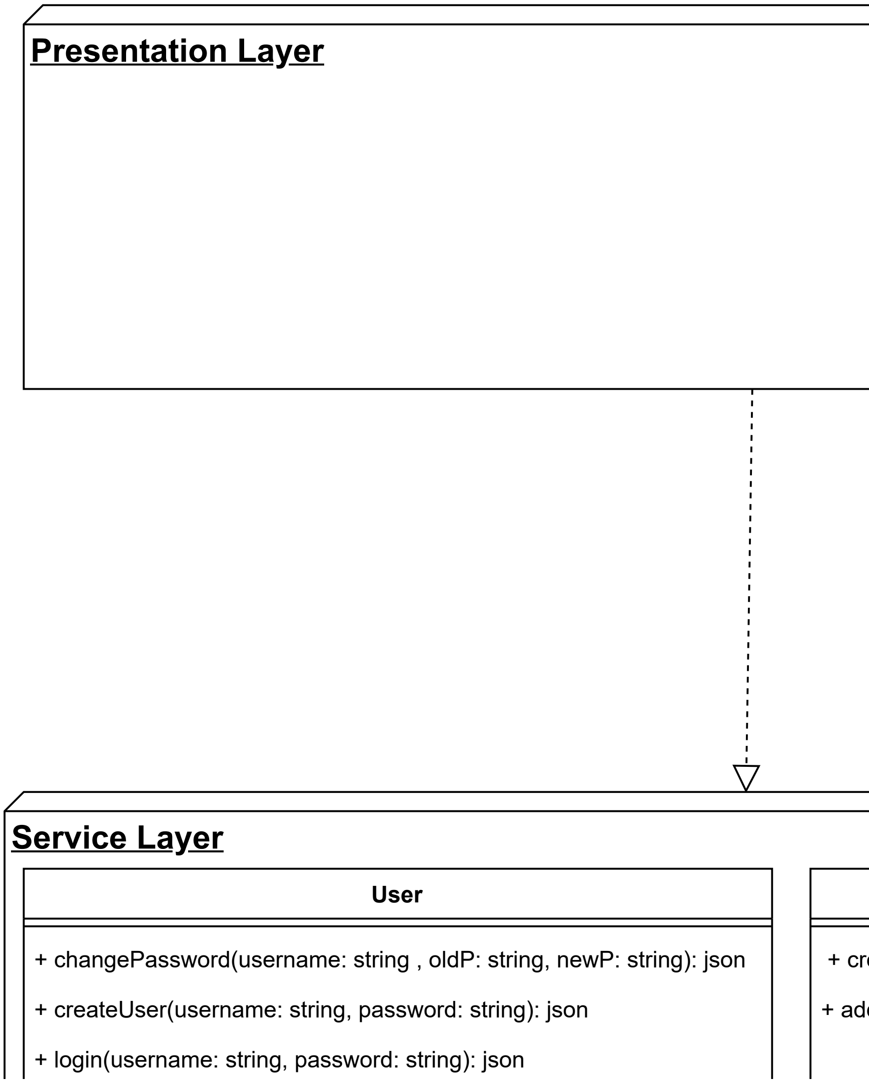


Presentation Layer

Service Layer

User

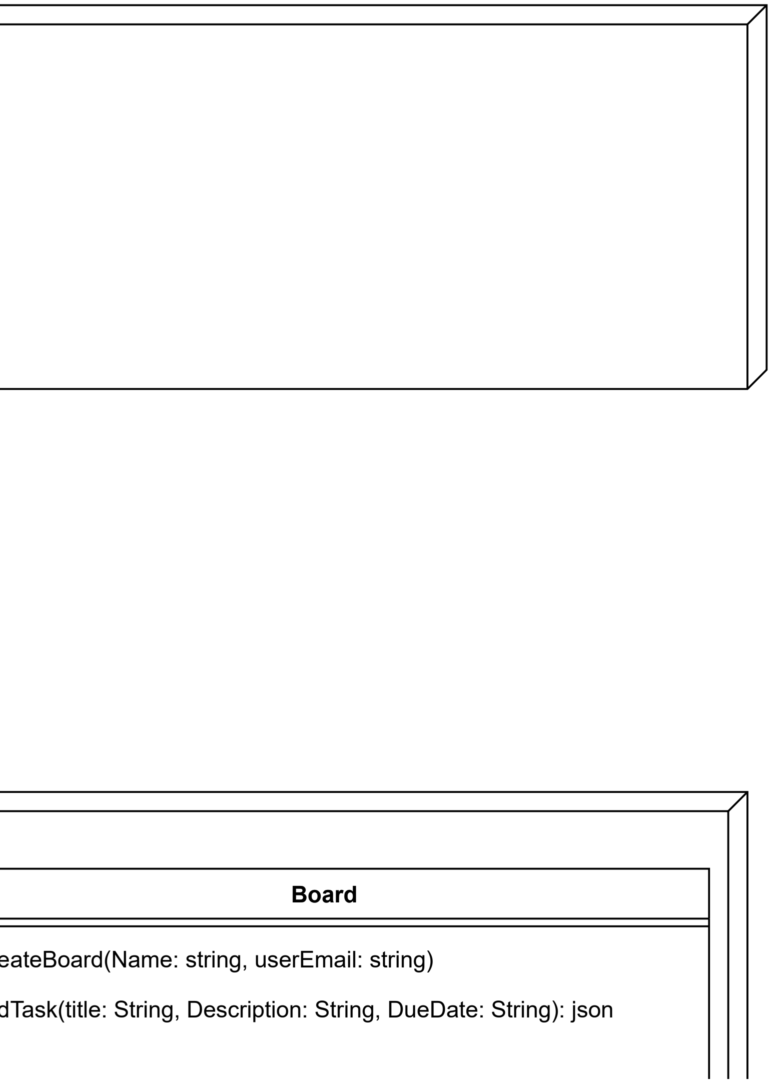
+ changePassword(username: string , oldP: string, newP: string): json

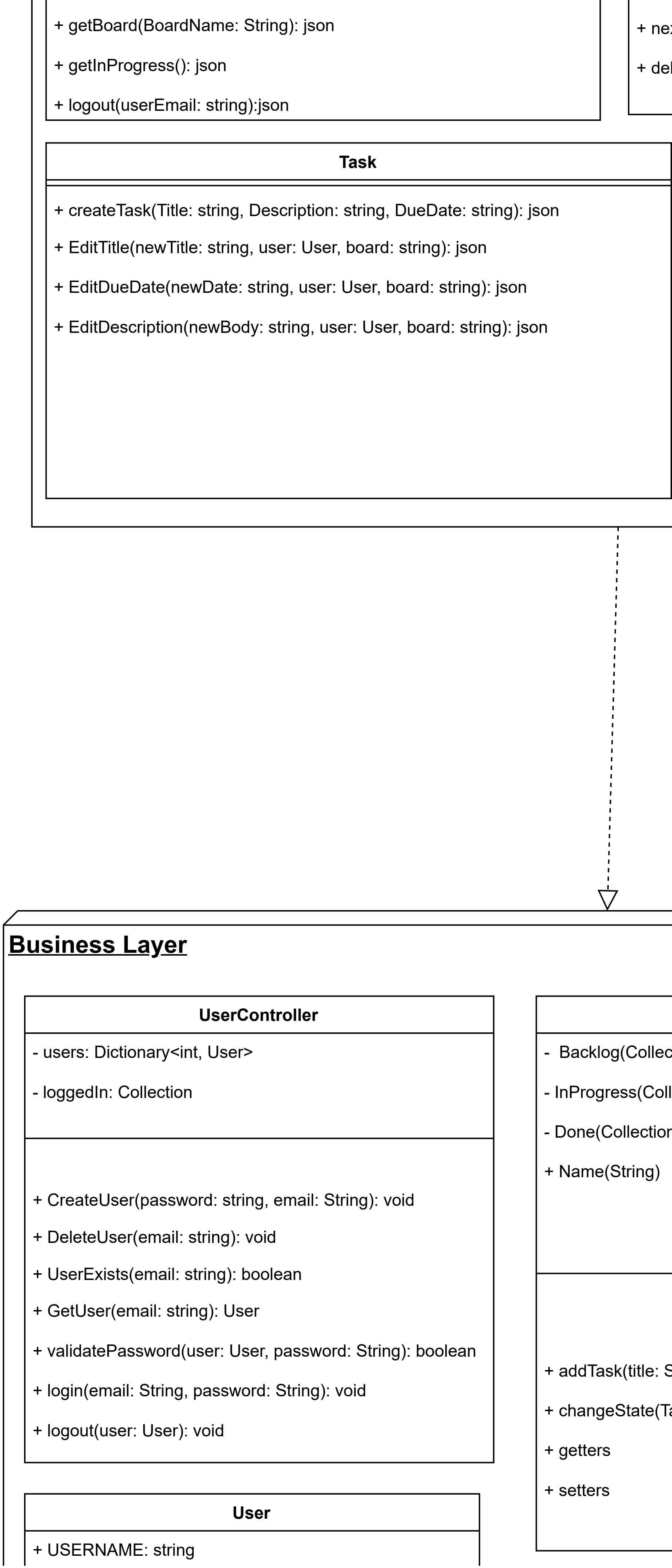
+ createUser(username: string, password: string): json

+ login(username: string, password: string): json

+ cr

+ ad


Board
eateBoard(Name: string, userEmail: string)
dTask(title: String, Description: String, DueDate: String): json



+ getBoard(BoardName: String): json

+ getInProgress(): json

+ logout(userEmail: string):json

+ nex

+ del

Task

+ createTask(Title: string, Description: string, DueDate: string): json

+ EditTitle(newTitle: string, user: User, board: string): json

+ EditDueDate(newDate: string, user: User, board: string): json

+ EditDescription(newBody: string, user: User, board: string): json

Business Layer

UserController

- users: Dictionary<int, User>

- loggedIn: Collection

+ CreateUser(password: string, email: String): void

+ DeleteUser(email: string): void

+ UserExists(email: string): boolean

+ GetUser(email: string): User

+ validatePassword(user: User, password: String): boolean

+ login(email: String, password: String): void

+ logout(user: User): void

- Backlog(Collec

- InProgress(Coll

- Done(Collection

+ Name(String)

+ addTask(title: S

+ changeState(Ta

+ getters

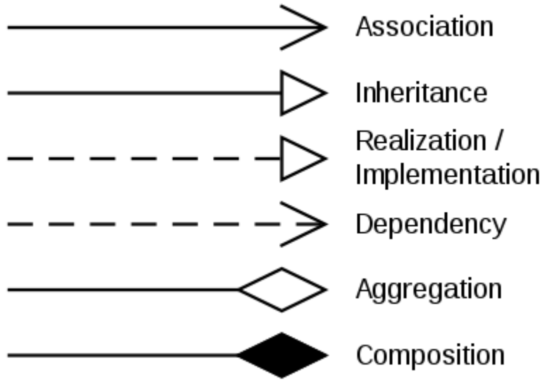
+ setters

User

+ USERNAME: string

xtState(email: string, boardName: string, State: int, TaskID: int): json

leteBoard(Name: string, userEmail: string)



Aggregation: child can exist without the parent

Composition: child cannot exist without the parent

From Wikipedia

https://en.wikipedia.org/wiki/Class_diagram

Board

tion)

ection)

n)

String, Description: String, DueDate: String): void

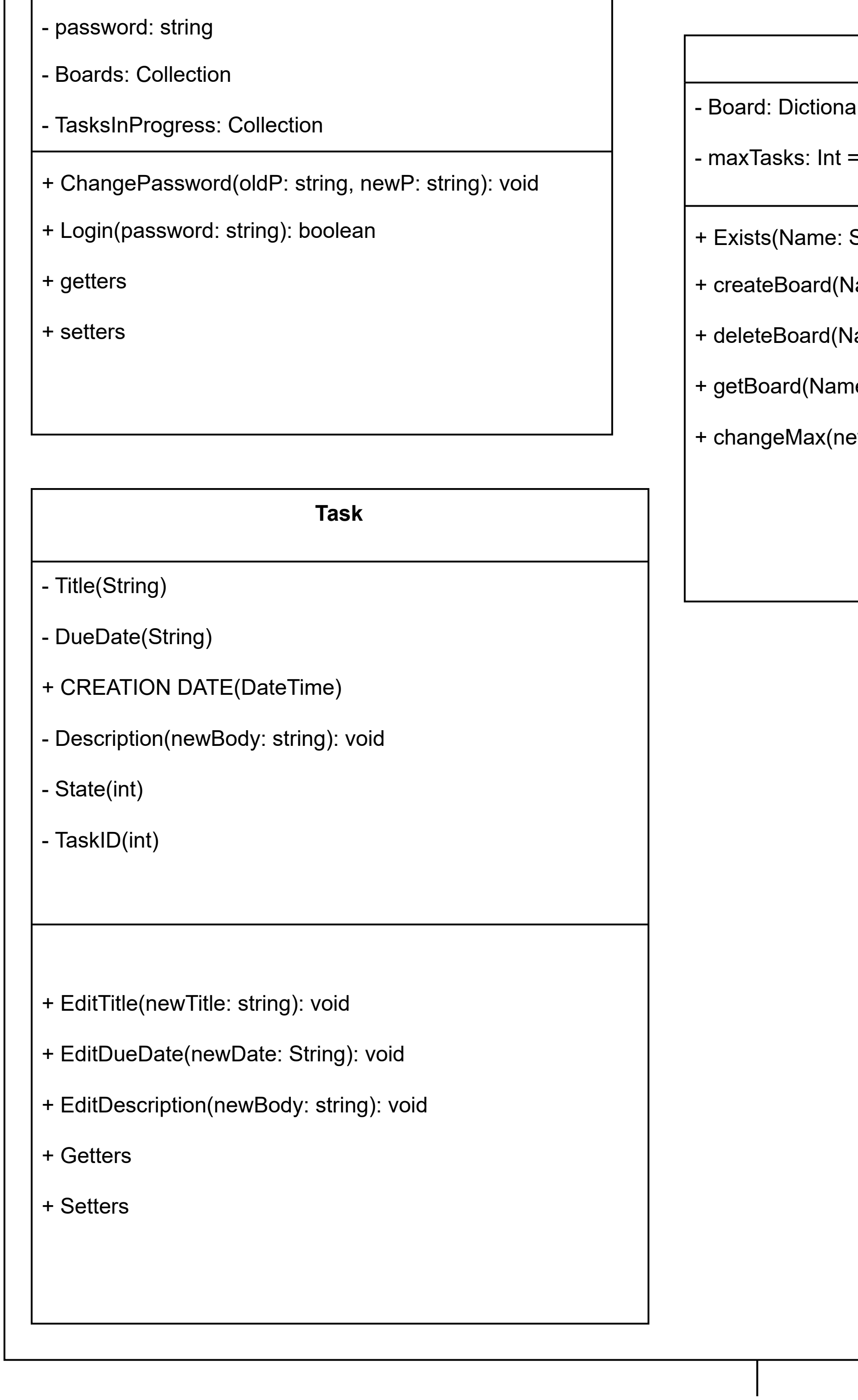
ask): void

Visibility

+ public

- private

# protected



- password: string

- Boards: Collection

- TasksInProgress: Collection

+ ChangePassword(oldP: string, newP: string): void

+ Login(password: string): boolean

+ getters

+ setters

- Board: Dictiona

- maxTasks: Int =

+ Exists(Name: S

+ createBoard(Na

+ deleteBoard(Na

+ getBoard(Name

+ changeMax(ne

Task

- Title(String)

- DueDate(String)

+ CREATION DATE(DateTime)

- Description(newBody: string): void

- State(int)

- TaskID(int)

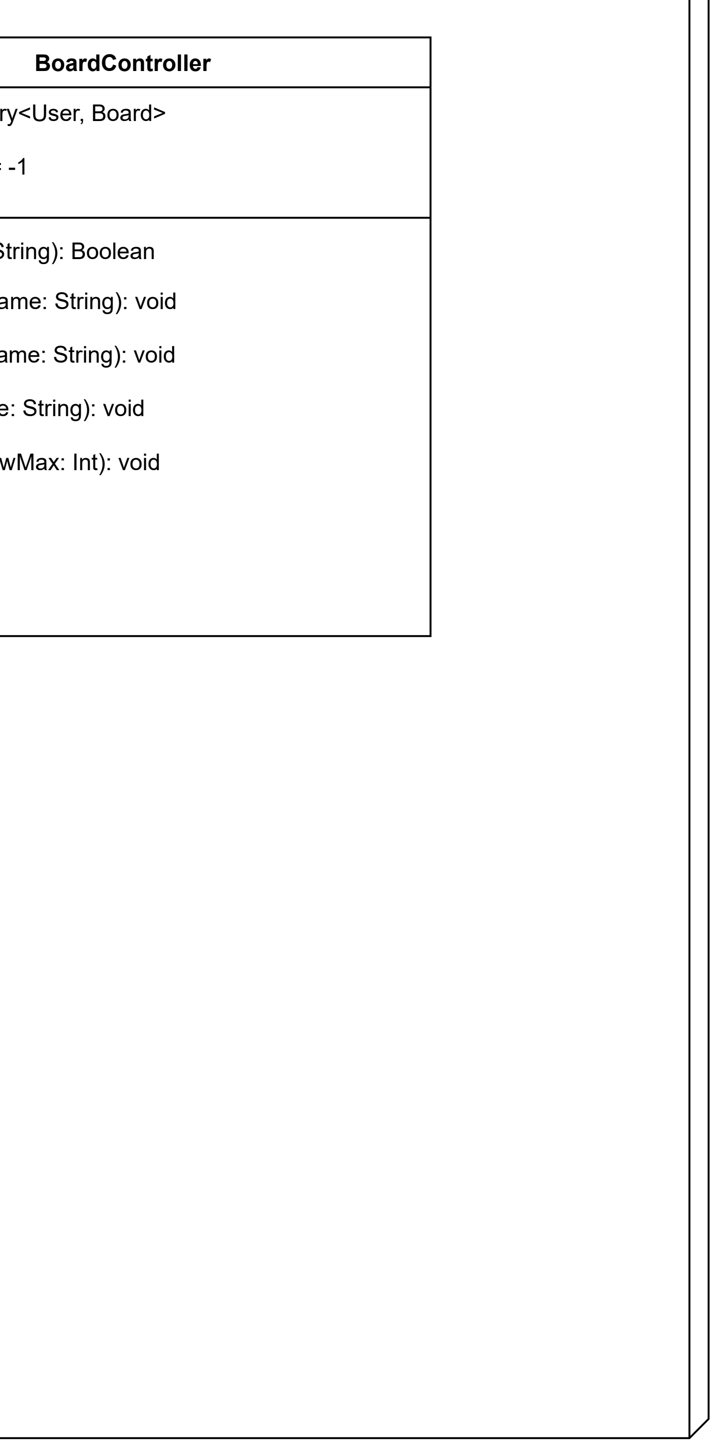
+ EditTitle(newTitle: string): void

+ EditDueDate(newDate: String): void

+ EditDescription(newBody: string): void

+ Getters

+ Setters


BoardController
ry<User, Board>
-1
String): Boolean
ame: String): void
ame: String): void
e: String): void
wMax: Int): void