

Explanations to the changes in the UML:

Milestone 1 :

1. Deleted the class "TaskController" - to improve the cohesion and the coupling.
2. Changed the Task's fields to private - to improve privacy between classes.
3. Deleted the class "BoardController" - to improve the cohesion and the coupling.
4. Changed class "UserController" from internal to public - to get access to the object in the service layer.
5. Added "taskID" fields to Board class.
6. Added Response class for an ordered Json response.
7. Created FactoryService class improve cohesion in ServiceLayer.

Milestone 2 – first submission:

1. Added class "BoardController" – new request (few users can be members of the same board).
2. Added "data-access layer" to the system – in milestone 2 the data should be persist and restored.
3. Added "userDTO" to user class – to get access to User data.
4. Added field "assignee" to "Task" class – new request (task can be assigned).
5. Added method "assignTask" to Task class – new request (task can be assigned).
6. Added method "LoadData" – in milestone2 the data should be restored.
7. Added method "JoinBoard" to Board – new request (user can be member of an existing board).
8. Added method "RemoveUser" to Board – new request (owner can leave the board if he isn't the owner of the board).
9. Added method "removeTask" to Board - new request (owner can leave the board if all the tasks are deleted).

Milestone 2 – second submission:

1. Transferred method "AddBoard" from UserService to BoardService ("AddBoard" is board's functionality).
2. Transferred method "RemoveBoard" from UserService to BoardService (Remove board is board's functionality).
3. Added method "LeaveBoard" to UserService - new request (user can leave board).
4. Added method "AssignTask" to TaskService - new request (task can be assigned).
5. Added method "GetColumn" to BoardService – new request (GradingService).
6. Added method "TransferOwnership" to BoardService – new request (owner can transfer his ownership to other member in board).
7. Removed method "removeTask" - There is no requirement for that method.
8. Added field "State" in Task – new request (task cannot be edit in done column).
9. Added to every feature (User, Board, Task) DTO and Mappers.
10. Added BoardUser DTO and Mapper.
11. Added the relevant fields to every Mapper class.