Practice tasks

**Title:**Implementing GraphQL API

**Purpose:**

The purpose of this task is to create GraphQL API with help of Node.js

**Main Task: Using SQL and Node.js**

**Estimated time: 4h – 6h**

Now when you are familiar with database and Rest API, it is time to get some practice with GraphQL. The purpose of this task is to rewrite the previous API to use GraphQL. You can use either a MongoDB or MySQL as a persistence layer for your API. This choice is up to you.

Below you can find the GraphQL schema that you should implement 

type Task {   
  Id: ID!   
  title: String!   
  description: String!   
  tags: [String]!   
  done: Boolean!   
}   
   
type Query {   
  getTodoTasks [Task]!   
  getDoneTasks: [Task]!   
  getTaskid: ID!): Task   
  findTasks(tags: [String]!): [Task]!   
}   
   
input CreateTaskInput {   
  title: String!   
  description: String!   
  tags: [String]!   
}   
   
input UpdateTaskInput {   
  title: String!   
  description: String!   
  tags: [String]!   
  done: Boolean!   
}   
   
type Mutation {   
  createTasktask: CreateTaskInput!): Task!   
  updateTask(id: ID!, task: UpdateTaskInput!): Task!   
  deleteTaskid: ID!): Boolean   
}

You can use tests to verify that your API works as expected. When running tests please make sure that you database is empty, our tests expect that they will be run on “clean” start.

**Assessment checklist:**

1. Validate that provided API tests succeeds.
2. Validate that user uses a database to persist data.