Mood Tracker – application for tracking user mood every day. Customer can create a note with your emotions, reasons of this mood. Except this user can add a comment with description of state, that he is experiencing now.  
  
Functionality:

1. Ability of creating a note, that describe user mood at the moment.
2. Screen, that display user mood history
3. Auth - users can signUp and LogIn via email and password
4. Role system - every user can has one of set of role (user, admin). Admin has availability to create a new entity (emotions, reasons)
5. Log system - file, that save a history of user actions with DB and note creation
6. DB CRUD set of operations - create, read, update, delete entity from DB

Tables:

1. UserTable:

Table describe a user auth data  
  
Int id - unique identifier of entity

Text name - name of user

Text email - email of user

Text password - password of user

1. UserDataTable:

Table describe a user application data  
  
Int id - unique identifier of entity

Int userId - id of user

1. RoleTable:

Table describe roles of users  
  
Int id - unique identifier of entity

Text name - name of this role

1. NoteTable:

Table describe a note of mood  
  
Int id - unique identifier of entity

Int creatorId - id of creator

Text mood - name of mood

Int emotions - id of emotions

Int reasons - id of reasons

Int tip - id of tip

Text comment - comment of this note

DateTime createdAt - time, when this note was created

1. ReasonTable:

Table describe types of reason  
  
Int id - unique identifier of entity

Text name - name of this reason type UNIQUE

1. EmotionTable:

Table describe types of emotion  
  
Int id - unique identifier of entity

Text name - name of this type of emotion UNIQUE

Text icon - icon of this type of mood on json

1. TipTable:

Table describe tips  
  
Int id - unique identifier of entity

Text comment - comment of this tip UNIQUE, MAXLENGTH = 255

1. CommentTable:

Table describe comments  
  
Int id - unique identifier of entity

Text comment - text of this comment MAXLENGTH = 255

1. IconTable:

Table describe icons  
  
Int id - unique identifier of entity

Text icon - icon class on json UNIQUE

1. ImageTable:

Table describe images  
  
Int id - unique identifier of entity

Text image - image class on json UNIQUE