**Multisport**

The platform allows users to order a card that gives them access to plenty of the clubs and its activities using only their application.

**Description of application** entities, *attributes,* processes

1. **Guest** is any visitor of the platform who has not yet been authorized. **Guest** can’t use the platform without registration and authorization. **Guest** has the following attributes: *ip*, *device*, *browser*, *time*.
2. **User** is any visitor registered on the platform as user. **User** has the following attributes: *email*, *name*, *surname*, *password.*
3. **User** registration requires all user attributes and **User contacts**.
4. **User contacts** should contain: *city*, *street*, *building*, *apartment, phone number, user*. Where everything except the *apartment* is required.
5. **User** can edit user contact information and change all his entity attributes or only chosen ones.
6. **Sportclub** is any visitor registered on the platform as sportclub. **Sportclub** has the following attributes: *email*, *name*, *password.*
7. **Sportclub** registration requires: all sportclub attributes, **sportclub contacts, activities** of a new club and a list of **card types** that will allow users to access the activities of this sportclub.
8. **Sportclub contacts** should contain: *working hours, phone number, sportclub*. Where everything is required.
9. **Sportclub** can edit sportclub contact information and change all his entity attributes or only chosen ones.
10. **Sportclub** has the possibility to remove or add its **activities** with its *duration time*.
11. **Activity** is one of **Sportclub** services, which is available to each **User** who has access to this **Sportclub. Activities** contain *name*.
12. In order to access platform functionality, **User** or **Sportclub** must be authorized if already registered. To login, user must enter an *email* and *password*.
13. **User** can create order with the chosen **Card type**. **Order** gets **Order status** ‘*created’*. Order has the following attributes: *date, card type, order status*.
14. **Card type** gives its owner access to certain **Sportclubs** and their **Activities**. *Price* of each card type depends on available sportclubs and amount of daily access to this sportclubs. **Sportclub** can be accessed by several **Card types**. **Card type** contains the following attributes: *type*, *price*, *max number* *of daily visits*.
15. **Order** should be paid by **User** to get the **Card** with chosen **Card Type**. After **Payment** creation **Order status** is changed to *‘’paid’’*. Each **Payment** is described by the attributes: *user* (who pays for his order), *order* (which is paid)*,* *time* and *payment method*.
16. Possible **Order status** *status* are: created and paid.
17. **Users** can have only one **Card** monthly. Card is valid for the calendar month. Users should order a card not later than a week before the start of the month. Card should be saved at the end of its term. **Card** contains information about *start date, card type, payment* and *number*. Each *number* is unique and is generated after the user's payment. One payment = one card.
18. Each **User** can visit different **Sportclubs** according to their **Card type** in his active **Card** and choose any **Activity** from available **Sportclub**. One **visit** = one **Activity** of one **Sportclub**. To get access to the available **Sportclub User** should show his **Card** and passport where administration could check his *name, surname, Card type*. User can’t share his card with another person.
19. *Each* **User** can rate each **Sportclub**. **Rating** must include *user name*, who created feedback, sportclub name, which is assessed, *rate* and can include *comment*. Each user can add each sportclub only once.