**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, contacts.*
3. **User** registration requires all user attributes.
4. **Contacts** should contain: *city*, *street*, *building*, *apartment* and *phone number*. Where everything except the *apartment* is required.
5. **Sportclub** is any visitor registered on the platform as sportclub. **Sportclub** has the following attributes: *email*, *name*, *password, working hours, contacts, activities.*
6. **Sportclub** registration requires: all sportclub attributes and a list of **card types** that will allow users to access the activities of this sportclub.
7. **Sportclub** has the possibility to add or remove its **activities**.
8. In order to access platform functionality, **User** must be authorized if already registered. To login, user must enter an *email* and *password*.
9. **User** can create order with the chosen **Card type**. **Order** gets **Order status** ‘*created’*. Order has the following attributes: *date, card type, order status*.
10. **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. **Card type** contains the following attributes: *type*, *price*, *max number* *of daily visits*.
11. Possible **Order status** *status* are: created and paid.
12. **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*.
13. **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** contains information about *start date, card type, user*.
14. Each **User** can visit different **Sportclubs** according to their **Card type** 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*.
15. **Sportclub** can be accessed by several **Card types**. Each **Sportclub** has a *name*, *working hours*, **Contacts,** list of available **Activities** with its *duration time*.
16. **Activity** is one of **Sportclub** services, which is available to each **User** who has access to this **Sportclub. Activities** contain *name*.
17. *Each* **User** can rate each **Sportclub**. **Rating** must include *user name*, who created feedback, sportclub name, which is assessed, *rate* and can include *comment*.