**Software Project**

**Service for sport complex**

**Artifact 5**

(updated)

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## 

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### **Sketch of product backlog**

|  |  |  |
| --- | --- | --- |
| **Epics** | **Features** | **Functionals** |
| Web application connected to moodle | Registration  Accounts | Registration via Innopolis email  Exporting files into moodle  Three types of accounts |
| Convenient management of sport classes | Distribution into groups | Add/remove students into groups  Choice of sport classes  Send request to change sports classes  Dealing with medical references |
| Fast access to necessary information | Statistics  Schedule | Statistics of hours  Statistics of students per group  Viewing schedule  Creating schedule  Mark attendance |

**Updated product backlog with estimation (# s.p.)**

**and acceptance criteria**

1. **( 20 s.p.)** As a student I want to register via Innopolis email, so that my account will be connected to moodle

**Given:** I’m log-out student on the Sign-in page

**When**: I fill the “Innopolis email” and “Password” and click in the Sign-in button

**Then:** the system signs me in

1. **( 20 s.p.)** As an admin I want to register trainers, so that they will have ability to mark student attendance

**Given:** I’m administrator

**When**: I fill the “Email” and “Password” for trainer and click in the Register

**Then:** the system register trainer account

1. **( 40 s.p.)** As a student, I want to choose sport classes, so that I will be able to visit chosen classes and get hours for them

**Given:** I’m a student in “Choose sport class” page

**When**: I click on buttons with desired sport classes

**Then:** administrator gets information about my choice

1. **( 100 s.p.)** As an admin I want to easily distribute students into groups among sport classes, so that it will be convenient for both students and trainers

**Given**: I am administrator in page of requests, list of students with their wishes, list of sports classes with amount of free places  
**When**: Selected sports classes for every student and click save button  
**Then**: Every student must be notified about their requests

1. **( 40 s.p.)** As a student I want to easily change sport group, so that it will be convenient to take new class

**Given:** As a log-in student

**When**: I click on the button change sport class, a list of courses appears. After that I click on one of them and click save button

**Then:** The sport class for the student changes

1. **( 13 s.p.)** As an admin I want to easily and quickly change Students group, so that students could attend classes immediately

**Given:** I am administrator in students page, list of students with button change sports classes

**When**: I add/remove sports classes

**Then:** Student must be notified about this update

1. **( 13 s.p.)** As a student I want to see actual schedule, so that classes were in assigned time as in schedule

**Given:** I’m a student in main page

**When**: I click on button “schedule”

**Then:** I see a page with a table with schedule: time, room number, trainer and class name.

1. **( 13 s.p.)** As an admin I want to create a schedule for each trainer, so that it will be viewed as a table in every trainer account

**Given:** I am administrator, in “Edit schedule” page, list of sports classes  
 **When**: I edit schedule and click "save” button  
 **Then:** Trainers and students must be notified about it

1. **( 13 s.p.)** As a trainer I want to see my schedule, so that I can plan my time

**Given:** I’m a trainer in main page

**When**: I click on button “schedule”

**Then:** I see a page with a table with schedule: time, room number and class name.

1. **( 8 s.p.)** As a student I want to see the number of empty places in other groups and their schedule so that I know what to expect when decide to join them

**Given:** As a log-in student in main page

**When**: I click on the “check free space”

**Then:** A table of all sport classes appears with a number of student registered for each sport class

1. **( 5 s.p.)** As an admin I want to put student group of health, so that students could choose proper classes

**Given:** I am administrator in students page, list of students with button change group of health

**When**: I add/remove group of health

**Then:** Student must be notified and able to choose sports classes that are fit only with students' group of health

1. **( 40 s.p.)** As a trainer I want to easily mark attendance (hours) of students, so that they could see actual info any time

**Given:** I am trainer in chosen sports class page

**When**: When I open list of students, click on desired student, put hours and click update/save

**Then:** Students' data updates

1. **( 20 s.p.)** As a student I want to view my actual statistics, so that I can see how much hours I have for some period of time

**Given:** I am student in main page

**When**: When I click my statistics

**Then:** I want to see my statistics in hours per some period of time and the date of last update

1. **( ? s.p.)** As an admin I want to easily collect all statistics, so that it will be possible then to export it in moodle or excel

**Given:** I am administrator in export statistics page

**When**: When I click export data to moodle or excel

**Then:** Data in moodle updates or excel file downloads

**Definition of done checklist with Justification**

* Approved by Product Owner

*Our Product Owner should be satisfied with the implemented product.*

* Acceptance criteria met

*Our product should pass all the acceptance criterias, so we can be sure that everything works as planned.*

* Code is tested & complete
  + Code is refactored
  + Code is commented
  + Tests are passing

*Code should be refactored and commented to have good, understandable structure for further work. It should pass tests like Unit and Integration, to be sure that it handles with wrong input and every separate function works.*

* Documentation updated

*Documentation needs to be updated and clear before submission.*

* Cross browser testing done

*We should check our system on different web-browsers to be sure that most of the users could use the system.*

* Live on production servers

*We should check that our server works in real time.*

**Sprint 1 backlog**

* Get familiar with front-end stack
* Knowledge acquisition on back-end technologies
* Set up project environment (Github, Trello etc)
* Backend architecture planning
* Frontend UI/UX planning

**Sprint 2 backlog**

* Create 3 types of accounts (home pages)
* Distribution into groups
* Ability to change group
* Creating schedule