

# Some additional parts of non-functional requirements of our software engineering project.

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## 3.2.2 Organizational Requirements

One of the points no less important than the other non-functional requirements of the software engineering of our project is the organizational requirements.

We include our products vulnerable points and solutions, the importance of the performance of our final software product by considering also speed of reaction of every action of users and organizational aspects like available devices where our product would be able to use, what type of connection is required or product to be accessible to users, the durability and limits of products to be usefully for public every seconds of time without any break or any broken function.

Organizational performance of our "ClickSports" metric assesses how our product will react to users actions, the speed of reaction to clicks, mouse hovering, and key presses, input and output correlation, and other aspects. Overall, performance-related non-functional requirements can be divided into several types.

### 3.2.2.1 Environmental Requirements

- The main principle of our product is to be 24/24h at the service of the public, every day of the year.
- The "ClickSports" application will be developed such that it will not be forced to encounter downtime since the data used by the users is very sensitive and time-varying.
- Our product Software will be used in an optimized and simplified way for users of every age where everyone that love sports would explore a virtual environment that would give chances for public to give every possible action that have to do with sports that a user can do in an online platform by starting with every sports centers that exists in Albania and ending with an online reservation when no need for more actions for the user to do when S/he will be physically in the actual sport center that have reserved by avoiding in this way wasting a lot of time or other resources.
- In case of any problem unscheduled maintenance of the application shall not allow the system to be down for any day. The team of product should monitor the "ClickSports" System every day to avoid unpleasant cases when people can't be able to do anything in platform.
- "ClickSports" will be available to everyone who owns a device connected to the Internet and since the first click of any user to platform cookies and sessions should be applied immediately, so where user will enter again the system may appear to him his personalised webpage where his preferred sports can appear in the first line of platform wall.

- Also if user lost his connection he will be available to see some informations that have been retain from sessions like for example, timetable of free reservation of ClickSports centers.
- The latency of the "ClickSports" platform will depend on: Internet connection strength,the size of the database,the efficiency of the algorithms used to fetch data from the database.
- The primary environment for our platform will be Web but focuse of our team is to extend the platform also in IOS and Android System.

### 3.2.2.2 Operational Requirements

- The users that enter the platform will have different roles based in their interest for what they want to use our platform.
- The users will have the possibility to see the main page of the platform by including all sports options and the primary page where are listed the sport centers with no need to login to platform.
- The users can create an account and login and to see the informations of their profile every time they want.
- The informations of any user can't be updated without approvation of team members of "ClickSports" except any sensitive data like passwords that can be chanced any time in case the user think that security of his account is in risk to be hacked.
- The main informations of user can be accessed from manager of sport centers in case the user want to make any reservation to their sport center.
- The sensitive data like password or personal information will be part of encryption and decryption process to avoing any privacy violation.
- Business managers can create a virtual center inside of our platform only after they have apply with all informations required from platform and application have been approved from product management of our "ClickSports" center.After the team have approved the application the section center should be appeared and added automatically at platform.
- The "ClickSports" will be an interactive system where normal users,subscribed clients,sport centers managers and product team management can interact in accordance with each other and approve of each other any action like reservation or make possible to each other any update of informations like for example a manager adding a new free possible time where sportists can reserve a center,or a sportist make an update by canceling a reservation and this is going as notification to the sport center manager.All interactions with each user should be made in real time at platform without having any incident like delay of any change from an user or a delay of any update to be appeared that will cause any missinformation to people that will use "ClickSports" System.

### 3.2.2.3 Development Requirements

The technologies that will be used to create this product is technologies basically used in Web application:

Front-End:Html+CSS+Javascript+Bootstrap

Design of the Website will be also based in suggestions of our investors and sports centers owners where we will propose to them some of layout design options and we will come with a final design and look of how our platform will be.

Backend:Php and MySQL

After the product has been finished it will be uploaded firstly in server only for some beta tester to see how the platform will work and if the platform will faced with any issue or incident and after some tests it will be published to be used from all users of public.