Vision and Scope Document

for

FitnessTracker

**Version 1.01 approved**

**Prepared by Hryhoriy Harbaruk**

**Lviv Ivan Franko National University**

**03/27/2018**

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# Acknowledgements

* 1. **Task/Project Group Participants**

|  |  |  |
| --- | --- | --- |
| **Function** | **Name** | **Company / Organization** |
| **Work Group Chair** | Hryhoriy Harbaruk | LNU |
| **Work Group Participant** | Valeria Koshmanova | LNU |
| **Work Group Participant** | Jurii Lukashchuk | LNU |

* 1. **Project Support**

|  |  |  |
| --- | --- | --- |
| **Function** | **Name** | **Company / Organization** |
| **Peer Reviewer** | Oleh Fitsyk | LNU |

* 1. **Project Advisors**

|  |  |  |
| --- | --- | --- |
| **Function** | **Name** | **Company / Organization** |
| **General Advisor** | Lesya Klakovych | LNU |

# Business Requirements

## Background

*Based on latest surveys, sport and different fitness applications become more than 50% popular, then it was in 2016. Major part of them can be used instead of real instructors’ advice.*

## Business Opportunity

*Sport application solves the following problems:*

1. *The customer does not need to visit gyms.*
2. *The customer does not have to waste time in traffic jams*
3. *The customer can easily find the* *best sport and practices*
4. *The customer is able to easily compare different practices and choose their difficulty*
5. *The customer can check his/her progress in certain sport/activity*
6. *The customer has the ability to easily filter the practices from different famous instructors.*

*Current competitors worth mentioning in Ukraine:*

1. *MI* [*Band*](http://www.mi.com/en/miband/)
2. [*Dayli Yoga*](https://www.dailyyoga.com/)

## Business Objectives and Success Criteria

*The product motivate and help to improve people’s health and body without spending time in gyms or pay much money. Also it more comfortable since it provides a huge variety of practices that can be uses at home, office, park etc*

## Customer or Market Needs

*Target market segment - most population of Ukraine that has access to the internet.*

*Main customer needs:*

1. *Fast and simple search engine for activities*
2. *Fast and reliable statistics pages*
3. *Intuitive UI*

## Business Risks

*The product implementation entails the following risks:*

1. *Not finishing the product before our competitors fix their issues and improve their respective products.*
2. *Target audience can not accept/trust the product*
3. *Business partners can fail in fulfilling their part of the project*

# Vision of the solution

## Vision Statement

*Our purpose is to motivate and encourage people do some sports/activities. Also making ads of famous instructors and practices*

## Major Features

Major features planned:

1. Search/Filtering system
2. User’s statistics
3. User feedback

## Assumptions and Dependencies

*The projects success depends on timely implementation and incorporation into the market, user acceptance and reliability of our partners in terms of delivery service.*

## Initial Challenges

The FitnessTracker must overcome the challenges that hamper the productivity and performance of online service. These challenges include the following:

* Categorisation of wide variety of activities
* Handling vast amount of search requests

*<Record any assumptions that were made when conceiving the project and writing this vision and scope document. Note any major dependencies the project must rely upon for success, such as specific technologies, third-party vendors, development partners, or other business relationships.>*

# Scope and Limitations

## Scope of Initial Release

*Initial release of the project will have the following major features:*

1. Search/Filtering system
2. Product comparison

## Scope of Subsequent Releases

*User feedback, statistics will be all be deferred to later releases. Search system will be implemented in initial release, but will be improved and reworked during each release until its final version is implemented.*

*Second version of the app will include feedback and, if possible, statistics.*

*Subsequent releases will extra activities, ads, trainers search.*

## Limitations and Exclusions

*The product will not include the following features:*

1. *Online wallets*
2. *Loyalty system*

# Business Context

## Stakeholder Profiles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Stakeholder*** | ***Major Value*** | ***Attitudes*** | ***Major Interests*** | ***Constraints*** |
| *executives* | *increased revenue* | *see product as avenue to 10% increase in market share* | *richer feature set than competitors; time to market* | *maximum budget = $1.4M* |
| *customers* | *fewer errors in work* | *highly receptive, but expect high usability* | *more intuitive UI, improved performance* | *must run on low-end workstations with slow internet* |
| *customer support* | *quick access to data* | *resistant unless product is compatible with current system* | *ability to handle much larger database than current system; easy to learn* | *no budget for retraining* |
| *Software developers* | *build the system* | *inspired to create a fine website* | *satisfy customer needs, earn money* | *Can’t do stress testing and on-site testing.* |

## Project Priorities

|  |  |  |  |
| --- | --- | --- | --- |
| ***Dimension*** | ***Driver (state objective)*** | ***Constraint (state limits)*** | ***Degree of Freedom (state allowable range)*** |
| ***Schedule*** | *release 1.0 to be available by 07/1/18, release 1.1 by 10/1/18*  *release 1.2 by 12/1/18* |  | *2 weeks delay can be allowed in case further stress testing is needed* |
| ***Features*** |  |  | *70-80% of high priority features must be included in release 1.2* |
| ***Quality*** |  |  | *80-85% of user acceptance tests must pass for release 1.0, 95-98% for release 1.1* |
| ***Staff*** |  | *team size is 3 developers 2 of whom act as testers as well* | *Hiring external testers (no more than 2) to let developers concentrate on building the service is acceptable* |
| ***Cost*** |  |  | *budget overrun up to 15% acceptable without executive review* |

## Operating Environment

Customers across Ukraine shall use FitnessTracker for managing their sport activities.

* *Users are distributed throughout Ukraine, all of whichare in one timezone*
* *The users will access the activities mostly during the day, but the activities should be operational 24/7*
* *The data is generated and accessed by partners and customers across Ukraine. It is stored on the main server.*
* *No maximum response time is currently available, performance tests have to be held.*
* *Some minor interruptions to the service are tolerable*
* *Users personal information such as passport IDs, addresses and history of purchases have to be secure.*

# Functional requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Requirement ID | Requirement statement | Must/Want | Comments |
| F0001 | The website shall have home page with most popular products | Must |  |
| F0002 | The website shall have a navigation panel on the left with the tree of categories and subcategories currently open. | Must |  |
| F0003 | The website shall have “My profile” page where user can see his personal data as well as be able to change it and can view his purchase history | Must |  |
| F0004 | The website shall have a “Contact Us” page, where the user will be able to write a letter to our customer support | Want |  |
| F0005 | The website shall have “Activity details” page where the user will be able to view specific activity details | Must |  |

# Non-Functional requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Requirement ID | Requirement statement | Must/Want | Comments |
| NF0001 | The website shall cost less than $4,000 to build. | Must |  |
| NF0002 | The website shall cost less than $400 per year to host / maintain. | Must |  |
| NF0003 | The website shall be secure from hackers. | Must |  |
| NF0004 | The website needs to have a daily backup created every day at night and should be able to be restored on two hour’s notice | Must |  |

# 

# Appendix A: List of use cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | **Actor** | **Use case** | **Description** | **Web Api Action** |
| G001 | Guest | Register | Register in the system | auth/register |
| G002 | Guest | Sign in | Sign into the system | token |
| G003 | Guest | Sign out | Sign out of the system |  |
| U001 | User | Create plan | Create new plan | user/plan (POST) |
| U002 | User | Edit plan | Edit their plan | user/plan (PUT) |
| U003 | User | Delete plan | Delete their plan | user/plan /{id} |
| U004 | User | Get plans | Get all plans | user/plans |
| U005 | User | Get blocks | Get all blocks from plan | user/plan/{id} |
| U006 | User | Create block | Create new block | user/plan/block (POST) |
| U007 | User | Edit block | Edit block | user/plan/block (PUT) |
| U008 | User | Get exercises | Get block’s exercises | user/plan/{id} |
| U009 | User | Add 1 exercise | Add one exercise to the block | user/exercise (POST) |
| U010 | User | Add many exercises | Add many exercises to the block | user/exercise (POST) |
| U011 | User | Update exercise | Change 1 exercise | user/exercise (PUT) |
| U012 | User | Delete exercise | Delete exercise from block | user/exercise/{blockId}/{exerciseId} |
| U013 | User | Get profile | Get your profile | user/profile |
| U014 | User | Update profile | Change your profile | user/profile (PUT) |
| U015 | User | Get news | Get latest news | news/get\_all |
| U016 | User | Update profile image | Update profile image | user/profile/image |

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# Appendix B: Use-case diagram

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