**Vision and Scope Document**

**for ITA-Tools**

**Prepared by developer’s team**

# Business Requirements

## Background

SoftServe ITA employees currently devote extra time to organizing training.

Until the last few years, SoftServe ITA completely dispensed with applications to improve the learning system.

The driving factor behind the development of this software project is that there is nothing as in a market that can maintain a training system using tools developed by students of the academy for students.

## Business Opportunity

The goal of this project is to use tools that simplify the difficulties in planning studies. This software will be useful in the future for other students who will study in SoftServe ITA

**1.3 Business Objectives and Success Criteria**

BO-1: Create SPA which can help for study process in ITA.

BO-2: Reduce time to planing your study time.

BO-3: Create feature for random choose questions fron list.

BO-4: Develop userfriendly interface.

SC-1: Created user-friendly application which we can open on different devices.

SC-2: Created users autentification.

**1.4 Customer or Market Needs**

MN-1: The system must be easy to use. The study process requires using many

different parts. This SPA must clearly walk the user through the process of study.

MN-2:Develop easy to use and modern navigation.

**1.5 Business Risks**

RI-1: If new students not understand source code, project will crash.

**2. Vision of the Solution**

**2.1 Vision Statement**

ITA-tools is a website where useful tools are stored. Tools may be needed in the learning process, and in normal mode. Designed for students of IT Academy and people forced to work in closely interacting teams. Using this site, user will have a convenient organizer with options, which take advantages in things like: structuring plans, keep track of his schedule, and simplify the distribution of tasks between team members. ITA-tools can provide online messaging between users. There is the opportunity to "determine the sucker of the day" and view albums Graduation day gallery.

**2.2 Major Features**

The major features include:

* Random selection of data from the provided list, with the possibility of presetting.
* Student's personal account
* Student task list
* Chat for users
* Site search functionality
* Role education model implementation
* Chicken house feature
* Group Schedule
* Data visualization
* Graduation day gallery

**2.3 Assumptions and Dependencies**

The following assumptions have been made during the development of this document.

* New members can join the development team during the development process.
* The order and list of tools may not correspond to the above.
* During development, the roles of team members are tightly distributed and can only change at the beginning of a new sprint

**3. Scope and Limitations**

Given the vision, it can be understood, that all tools cannot be realized at once. In the sections that follow, the scope of this project will be defined in terms of major features, that will be implemented and those, that will not.

The main goal of this development cycle is to realize those features, that can satisfy our immediate needs. Our project will be enhanced in the future by adding new features.

**3.1 Scope of Initial Release**

The major features that will be implemented in our project are:

1. Randomizer tool for different purposes   
2. Account authorization(sign in/sign up)  
3. REM feature for distributing roles of education process  
4. Schedule feature for displaying days and time when different groups take a class.

**3.2 Scope of Subsequent Releases**

The main feature of subsequent development cycles is the addition some other features.

List of this features:

1. Todo list tool that shows tasks to be made
2. Photo gallery
3. “Chicken house” tool that helps to decide who of the group will be responsible for a particular task.
4. Chat for communication with other users
5. Data visualization tool that displays different graphs and chats.

**3.3 Limitations and Exclusions**

There can be a lot of other tools implemented in our project to improve its functionality. This section lists desirable features that are outside of the scope of this project, but are available for addition at a later time.

Our project won`t have these features:

1. Possibility to change style of the web page
2. Quizzes on different topics to improve user’s skills
3. Archive that stores information about all groups that have completed

**4. Business Context**

This section summarizes some of the business issues around the project

**4.1 Project Priorities**

* Schedule
* Randomizer
* Photo Gallery
* Chat
* Search
* Authorization system

**4.2 Operating Environment**

This section will describe the environment in which the system will be used and define the major availability, reliability, performance, and integrity requirements.

The important operating environment information is:

1. The application will work on any operating system. The server will be any.
2. There is currently no database. Redux used to store state.
3. All users will be within the same time zone as the one in which the server is located.
4. The application is available at any time.
5. The data will be generated by clients and stored client-side

**5. Technology stack**

HTTP

HTML

CSS

BEM

TypeScript

JavaScript

AJAX

JSON

NodeJS

NPM

Webpack

Babel

Linter

Prettier

React

Hooks

Router

Redux

GIT

JIRA

SCRUM