Software Requirements Specification

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Product – www.snimka.bg

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1. **Introduction**
   1. **Purpose**

The purpose of this document is to provide an overview of the web application www.snimka.bg from a functional perspective. Also part of that work is to illustrate the purpose and complete declaration for the development of system. We will give highlights to some technical considerations relating to the application, and also highlights for some technical and organizational implementation issues. This document is primarily intended to be proposed to a customer for its approval and a reference for developing the first version of the system for the development team.

* 1. **Scope**

The scope of the project is to create document with software requirements specification for the website www.snimka.bg. In order to do this “Team Vermatrix Goldenhide” will analyze information for managing this web application and information provided on the site.

“Snimka.bg” is a web application which helps people to upload, store and share their pictures. Capacity of the storage is 6 GB per user and there is limit of the size of single picture which is 6 MB. Users can also look at other pictures and albums by random suggestions on the start page of the application or by searching with the name of the album or the author.

The application is free to use and the only requirement is for user to have connection to the internet. Owner of the album can provide information and description of the pictures which will act as the bases for the search results displayed to the other users. An administrator also uses the web-portal in order to administer the system and keep the information accurate. The administrator can, for instance, verify users, manage their information and check pictures for inappropriate content. All system information is maintained in a database, which is located on a web-server.

* 1. **Overview**

This document contains the overall description of the website www.snimka.bg and the specific requirements for the system. It also provides an overview of the system functionality and system interaction with other systems.

1. **Overall Description**
   1. **Product Perspective**

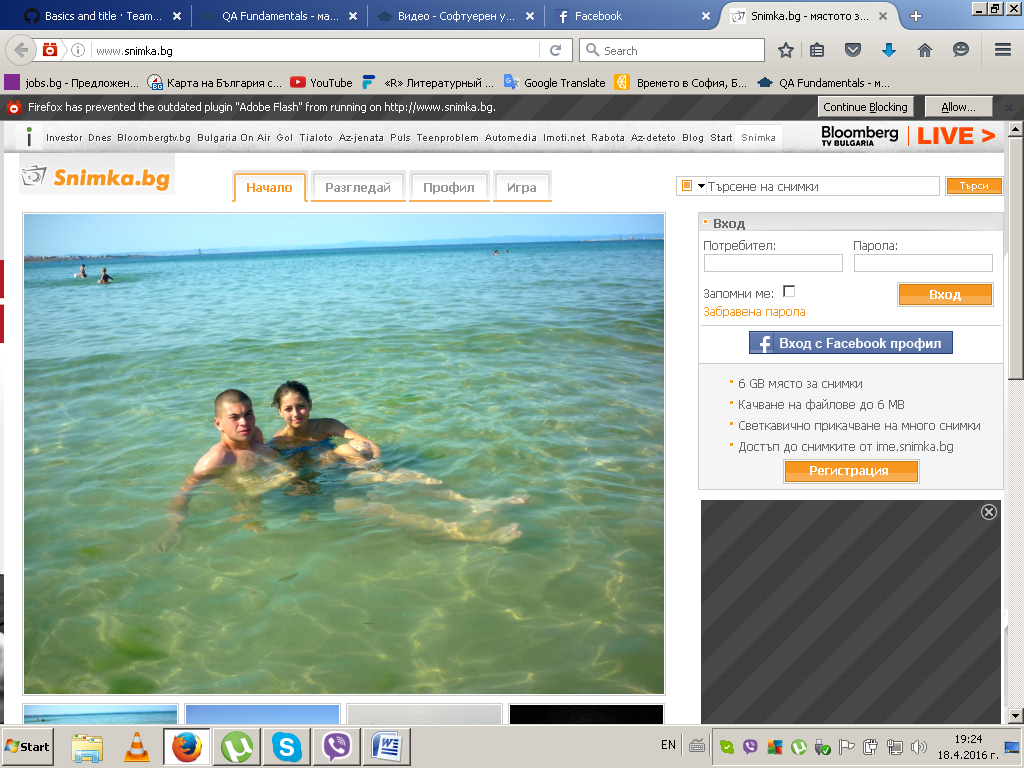
This project is free web application, so customers do not need to buy the product and customize it to reflect their needs. The system is already operational and some of the features can be used even without registration. End users only need any conventional web browser to use the system. The interface is intuitive and requires minimal training. [www.snimka.bg](http://www.snimka.bg) runs on dedicated webserver available 24/7 hosted by the software provider. Since this is a data-centric product it needs to store data somewhere. For that purpose system should use database. Thereby the end user is able to get or set different data - in this case this means to look at pictures and albums, to add and modify pictures and albums, to rate pictures or to write comments. All of the database communication is going over the Internet. To avoid problems with overloading the operating system the application is only allowed to use 6 gigabytes of memory and the maximum size of single picture is 6 megabytes.

* 1. **Product functions**
  2. **Constraints**
* Internet connection - since the application fetches data from the database over the Internet, it is crucial that there is an Internet connection for the application to function.

* Capacity - application will be constrained by the capacity of the database. Since the database is shared between all users it may be forced to queue incoming requests and therefor increase the time it takes to fetch data.
* Nonstop - the application should be always accessible by the users.
* Security - the system should enforce user authentication security and guarantee reliability.
  1. **Assumptions and dependencies**

One dependency of the product is that it must always be used with supported type of pictures. This means that to perform upload of photos the system requires valid picture format.

1. **Flow chart**
2. **Specific requirements**
   1. **Product function**
   2. **Functional Requirements**
   3. **User screens**

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