

Requirements Document

1. Introduction

The project is a website, with the help of which will be possible configure characteristics of the computer in different parameters. For example, CPU, Motherboard, DDR, RAM or ROM.

The project includes use of the database. The database will contain different parameters for selection of hardware parts. Thanks for usability interface possible to add/remove quickly accessories in/from the configuration list, and view their characteristics. Considering the power consumed by system the application will perform matching of the power supply unit. There is a possibility of assembly of the computer by price criterion.

The name of the project: "Configurator of the Personal Computer".

2. User Requirements

2.1 Software Interfaces

Frameworks:

- 1) PHP
- 2) HTML/HTML5;
- 3) JavaScript;
- 4) CSS;

Database modules:

- 1) MySQL;

2.2 User Interfaces

User interfaces are present as attachments to project like mockups.

2.3 User Characteristics

The program will be designed for a wide audience of users.

2.4 Assumptions and Dependencies

During the development of web applications, the project can gain additional functionality, depending on many factors, such as time, ideas target.

3. System Requirements

3.1 Functional Requirements

The project will have such options as:

- 1) Authorization:
 - a. By login and password;
 - b. Not social networks.
- 2) Registered users have:
 - a. Own page;
 - b. View/management saved configurations.
 - c. Print configuration.
- 3) Unregistered users have:
 - a. Create configuration;
 - b. Print configuration.
- 4) Unregistered users can't:
 - a. View/management saved configurations.
- 5) Autogeneration of configuration;
- 6) Presentable index page;
- 7) F.A.Q. page.

3.2 Non-Functional Requirements

3.2.1 SOFTWARE QUALITY ATTRIBUTES

1. Graphical design should be responsive and adaptive for mobile devices, tablets and desktops.
2. Request from web-server should be quick.
3. Usability and loading page speed should have not less than 60/80 by the Google Page Speed product.