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|  | **Internet shop**  **www.floris.ru** | | |
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| AGREED | |  | CLAIM |
|  | |  | Tlitova Alina Eduardovna  \_\_\_\_\_\_\_\_\_\_\_\_ \_\_ (signature)  «\_\_\_» \_\_\_\_\_\_\_\_\_ 2016 year |

Web-site of «Floris» company

Technical task

Kazan

2016

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# Terms and Definitions

Specific terms used in this TOR are given in the table below. Other technical terminology understood in accordance with the standards and recommendations of international bodies responsible for standardization in the Internet.

| **Term** | **Description** |
| --- | --- |
| **IP-address** | The node address in the network based on IP. |
| **World wide web (WWW, web)** | A distributed system that provides access to the linked documents, located on different computers connected to the Internet. The prefix "web" is used to refer to objects targeted for use in WWW or using typical WWW technology (eg Web-based interface - the interface to the web pages of the database). |
| **The administrative part of the site** | Closed from the visitors of the site designed for site management. Is controlled by the administrator (technical support), and editor of the site (information support). |
| **Site administrator** | Specialist provides technical support site. |
| **Alternative signature pattern** | Text signature that appears in place of the pattern, if disconnected images web browser. |
| **Web browser (browser)** | The client program supplied by third parties and allows you to view Web pages. |
| **Web interface** | The collection of screens and control elements of the system, allowing the user to access the system through a web browser, to carry out the maintenance and management system. |
| **Website (Website)** | A set of interrelated static and dynamic pages containing text data, images, video and other digital information, united under one address (a domain name or IP-address) in the Internet. |
| **Hyperlink (link, link)** | An active fragment of text or images, allowing to load another page, or perform a specific action. |
| **Website design** | Unique for a specific Web site structure, graphic design and methods of presenting information. |
| **Page design template** | The file containing the elements of external design of pages, as well as a set of special tags used site publishing system for displaying information when creating the final pages. |
| **Dynamic page** | Website page that using the code handles and displays the information from the database. |
| **Domain name** | The symbolic name of the Internet hierarchical space. The full domain name consists of the names of all domains in which it is included, separated by periods. |
| **Meta-tag** | Markup web page. Used to describe the page, keywords and other data. |
| **Filling (content)** | The aggregate content of the website. It includes text, images, files, etc. intended for users of the site. |
| **The public part of the site** | The basic information of the site open to visitors. |
| **Content management system (CMS)** | Information system that allows authorized users to make changes to the hierarchical structure and information Web site content without the use of any additional special software. |
| **Static page** | Page site that does not apply to the database; all information is stored in the page code. |
| **Hosting** | The service of providing space for the physical location of information on servers residing on the Internet. |

**2 Overview**

***2.1 Purpose of the document***

The present Terms of Reference specifies the requirements and procedure for the development of a web-site of the company «Floris».

***2.2 Name of the Contractor and the Customer***

Customer: «Floris» Ltd.

Address: code, city, street

Executor: Tlitova Alina Eduardovna

Address: code, city, street

***2.3 Brief information about the company***

Company «Floris» Ltd. is engaged in the delivery of flower production and publication of personal ads for the sale of flowers.

To date, the company did not have a website.

***2.4 Basis for the development of the site***

The basis for the development of the site is the Treaty №\_\_ on \_\_\_\_\_\_\_\_\_\_\_ between the Contractor and the Client.

***2.5 The planned start and end dates of work on creation of a site***

Start of work: April 2016

Completion: May 2016

**3 Purpose and objectives of creating the site**

***3.1 Purpose of the site***

The site should represent the company «Floris» on the Internet, to keep it positive and modern image, introduces visitors to the company's services.

***3.2 Objectives of site creation***

***3.2.1 The main objectives of creating a website***

The purpose of the site - to acquaint visitors with the company, directions of its activities, products and services, to provide information on how to purchase the product.

***3.2.2 Target Audience***

The following groups can be distinguished in the target audience of the website:

1. Buyers;

2. Sellers.

**4 Requirements to the site**

***4.1 Requirements to the site as a whole***

***4.1.1 Requirements for the structure and functioning of the site***

The site should be an information structure that is available in the Internet under the domain name www.floris.ru.

Www.floris.ru If the domain is not available, the name may be replaced.

The site must consist of interrelated sections with clearly separated functions.

***4.1.2 Requirements for access control***

Information posted on the site is accessible.

Users of the site can be divided into 3 parts in accordance with the access rights:

1. Visitors:

1) Authorized:

A) Buyers

B) Sellers

2) Unauthorized

2. Administrator

Visitors only have access to the public part of the site. Authorized users can add products to shopping cart and place orders at any valid address, specifying the recipient's phone number to contact him.

Access to the administrative part of the users with administrator rights.

The administrator can perform the following actions:

* add and remove menu items
* add and delete articles

Access to the private area should be carried out using a unique login and password. Login issued by the site administrator.

To protect against unauthorized access to the administrative part are encouraged to adhere to the following rules when selecting a password:

1. The password must be from 4 to 8 characters.

2. The password should consist of numbers and English letters in different registers; it is desirable to include a password other symbols available on the keyboard (eg, symbols /? <> [] {}, etc.)

3. The password should not be a dictionary word or a set of characters that are side by side on the keyboard. Ideally, the password should consist of meaningless set of characters.

***4.2 Feature Requirements (tasks) performed by site***

***4.2.1 Basic requirements***

**4.2.1.1 Structure of the site**

The site should contain the following sections:

* Home
* About colors
* Flowers

- All

- Private ads

- Add items

* Delivery
* Contact
* FAQ

**4.2.1.2 Navigation**

The user interface of the site is to provide a visual, intuitive representation of the structure placed on it, and a quick and logical transition to the sections and pages. Navigational elements should ensure unambiguous understanding of their meaning by the user: links to pages shall be provided with headings, symbols conform to generally accepted. Graphic elements of navigation shall be provided with an alternate signature.

The system should provide navigation through all available resources to the user and display relevant information. The menu should be a text box (a list of hyperlinks) in the left column or at the top of the page (depending on the approved design).

For sections containing subsections, it must be provided for the pull-down menu.

When you select any of the menu items the user has to load the corresponding info page, and the menu box (or in the main part of the page according to the approved design) opens a list of sub-sections of the selected partition.

**4.2.1.3 Filling of the site (content)**

Pages of all sections of the site should be formed by software based on the information from the database on the server.

Modification of the contents of the sections should be carried out through the admin web interface (content management system), which is without any special programming skills (without the use of programming and special coding or formatting) must include the ability to edit the information content of your pages. Filling the information should be carried out using the template pages.

**4.2.2 Requirements to functionality**

**4.2.2.1 Content Management System**

Content Management System (administrative part of the site) should provide the ability to add, edit and delete the contents of the static and dynamic pages.

Content management system should have a standard Windows interface that meets the following requirements:

* implementation of graphically windowed mode;
* a single visual style;
* intuitive assignment of interface elements;
* on-screen display only those opportunities that are available to a particular user;
* on-screen display only necessary to solve the problem of the current application information;

**4.2.2.2 Functionality sections**

***4.2.2.2.1 Home***

The following information should be provided on the home page:

* history of creation and development of the company.
* information on the scope and direction of the company.
* plans and objectives of the company.

***4.2.2.2.2 About colors***

In the "About tsetah" should be provided with information about a variety of colors. The page must be submitted to all the articles in a short form and a link to the full entry form.

***4.2.2.2.3 Flowers***

In the "Colors" should contain information about the company's products, accompanied by an illustration, and the possibility of adding it to the shopping cart and view the details of the product. This section should contain The following subsections:

* ***All***

In the section "All" should contain information about the company's products, accompanied by an illustration, and the possibility of adding it to the shopping cart and view the details of the product.

* ***Private ads***

In the section "Private ads" should contain information about the product, added users of the site, registered under the role of "Seller".

* ***Add items***

In the section "Add a product" must be given the form for submission of ads users colors, registered under the role of "Seller". This page is not available for anonymous users and users with the role of the "Buyer".

***4.2.2.2.4 Delivery***

In the "Delivery", "shall be submitted entry form order recipient data for its registration. After clicking on "Order", the user must be accessible link to view the document in .pdf format on the order details.

***4.2.2.2.5 Registration Form***

On the page "Registration" should take the user through a web interface to register on the site.

The form should contain the following fields:

* Username (required);
* Password (required);
* Confirm Password (required);
* E-mail (required);
* Role (value is selected from the list);

Registers the user must be familiar with the rules of registration (available via the link on the login page) for different roles.

***4.2.2.2.6 Cart***

On the "Shopping" should take the user through a web interface to manage the contents of the basket (delete items, move to the order).

***4.2.2.2.7 Contacts***

In the "Contact" must be submitted contact information Company:

* Current address, phone, fax
* E-Mail Addresses
* Map

It must also contain a form of sending a message to communicate with the management of the site, containing the following fields:

* Subject (required);
* Text (required);

***4.2.2.2.8 FAQ***

Section «FAQ» should include frequently asked questions and their answers.

**4.2.3 Requirements for the design**

**4.2.3.1 General requirements**

Style website can be described as a modern, business-like. As the background color is recommended to use the shades of green. Making a site must conform to the subject site.

Registration shall not prejudice the information content: the site should be convenient to users in terms of navigation and interesting for multiple visits.

**4.2.3.2 Typical navigation and information elements**

* Site Cap
* Main Menu
* Sidebar
* Main content field
* Substrate

**4.2.3.3 Site Cap**

Cap site should contain the logo and company name, and contact information. Logo is a link to the home page.

**4.2.3.4 Main and Sidebar**

The main menu should be located in the upper part of the window (under the cap), and contain links to all the sections of the first level.

The sidebar must be located in the left side of the window, and contain links to see related sections separated goods.

**4.2.3.5 Main content field**

Main content box should be located in the center of the page. the main contents of the selected section is displayed in this field. Styling materials and elements (links, headings, body text, images, forms, tables, etc.) must be the same for all pages of the website.

**4.2.3.6 substrate**

The substrate should have the information about rights holders and reduced the site menu.

***4.2.3.7.1 Home***

Figure 1 - Home Page.

***4.2.3.7.2 About colors***

Figure 2 - About colors.

***4.3 Requirements to the species to ensure***

**4.3.1 Requirements for data provision**

**4.3.1.1 Data Storage Requirements**

All site data should be stored in a structured manner under the control of a relational database. Exceptions are data files that are designed for viewing. These files are stored in the file system and the database placed links to them.

**4.3.1.2 programming languages ​​Requirements**

To implement static pages and templates to be used in XHTML and CSS. The source code must be designed in accordance with W3C standards.

To implement client-side interactive elements to be used JavaScript language.

To implement dynamic pages must use Java, Spring Framework.

**4.3.2 Requirements for the linguistic support**

The site should be carried out in Russian.

**4.3.3 Software Requirements**

The software of the client must meet the following requirements:

* Web browser: Internet Explorer 11.0 and above or Firefox 3.5 and above, or Opera 37.0 or higher, or Safari 3.2.1 or higher, or Chrome 2 and above;
* enabled javascript and cookies.

**5 Legal addresses and details of the parties**

**Executor:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Customer:**

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**SIGNATURES OF THE PARTIES:**

**Executor**: **Customer**:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_