Секция 3 «Автоматизация исследований»

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FUNCTIONALITY OF THE INFORMATION SYSTEM
FOR DANCES STUDIO «RAISKIY»

The target audience of the project is people of different ages who are engaged in the RAIskiy dance studio. The goal of the project is to develop a site with the ability to authorize a user and track traffic.

The functionality of the web application:

− the ability to enter own account;
− keep track of the attendance of classes;
− there is a navigation menu;
− the ability to leave and view reviews;
− there is a map with the location of the studio.

Basic functionality: the ability to view information about the studio, directions, teachers, reviews, sign up for a trial lesson.

The functionality for authorized users: the ability to track your schedule, the number of remaining lessons in the submission, leave feedback.

Administration functionality consists in the ability to edit information about the studio, information about dance styles, and teachers of the studio. It is also possible to manage the list of users (delete/create, new/edit) and the list of roles (add/delete users).

The initial information for the content of the site was the studio's licensing and regulatory documents, operating regulations, photographs from the studio's events, subscription price lists, and additional information. Also, the input information is a registration form for a trial lesson for unauthorized users and a login form for an already created user.

The output represents various pages that the user of the developed web application will later see.

The MVC architecture will be used to develop a web application. The application is divided into three main components, each of which is responsible for different tasks.

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OVERVIEW OF THE INFORMATION LOGICAL DATA MODEL FOR DANCES STUDIO «RAISKIY»

The input information for the content of the site was provided by the studio's licensing and regulatory documents, regulations on activities, photographs from studio events, price lists of subscriptions, and additional information. Also, the input information is the registration form for a trial lesson for unauthorized users and the login form for the personal account of an already created user.

The output information represents various pages that the user of the developed web application will see.

The first page is the «Main page» of the web application, it contains the main photo presentation of the studio, which is the main advertisement. Scrolling down, you can see photo galleries with photos from the studio's latest annual reporting concerts, and even below is all the information about subscriptions: what they are and their prices.

The next page is a page with directions for dance in the studio. On it there is a list of all possible directions on the left, after selecting a user, detailed information about the selected style appears in the window on the right. In the place «Information about the selected direction» there will be a short description of the style, photos from the lessons of this style, a list of teachers who teach this style, and information about the time of classes. Also below there are comments about the studio and various directions. In the picture with the layout, the dark rectangle indicates the ability of only authorized users: to leave comments. Unauthorized users do not have this form.

The «Trainers» page has the same structure as the page with information about dance directions in the studio, but there is no way to browse and leave comments on it. In place «Information about selected trainer» there will be a short biography of the teacher, photos from classes with this teacher, a list of the styles that he teaches.