

Assignment 5

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Objective

The goal of this assignment is to understand how to create user-friendly forms using HTML5 and Bootstrap 5.

Students must demonstrate skills in:

- Building structured and semantic forms;
- Applying HTML5 built-in validation (required, email format, minlength, etc.);
- Using Bootstrap form components and validation feedback messages;
- Designing a responsive and visually appealing layout.

Part 1 – Basic HTML Forms

Task 0. Simple Contact Form

Description:

A simple contact form was created using pure HTML5 with the following fields:

- Name (text input)
- Email (email input)
- Message (textarea)
- Submit button

Each field includes a proper `<label>` and basic validation attributes (required, maxlength, type).

Validation check:

When a user submits an empty form or incorrect email (without “@”), the browser automatically displays a warning message such as:

"Email address must contain @ symbol."

Result: Built-in HTML5 validation works correctly.

Basic HTML Forms

Name:

Email:

Message:

Part 2 – Bootstrap Forms

Task 2. Bootstrap Form Styling

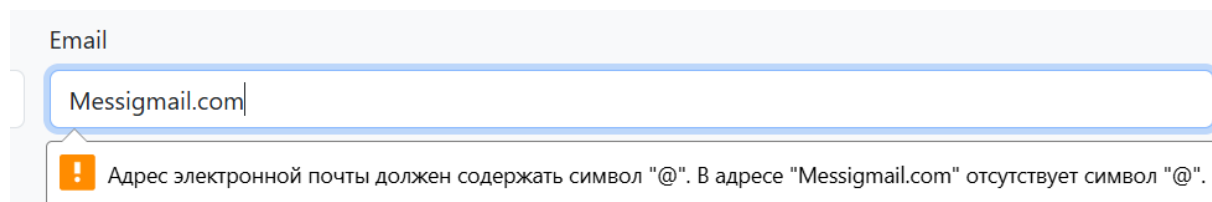
Description:

The same contact form was recreated using **Bootstrap's grid system** and form components.

Each input field was styled using `form-control`, and layout adjusted with `col-md-6` grid columns.

Result:

Form became more visually organized, responsive, and professional.



The screenshot shows a Bootstrap-styled email input field. The label "Email" is positioned above the input. The input field contains the text "Messigmail.com". Below the input field, a red error message is displayed, indicating that the email address is invalid because it does not contain an "@" symbol.

Task 3. Bootstrap Validation Styles

Description:

Bootstrap's validation feedback classes (`valid-feedback`, `invalid-feedback`) were added to display user-friendly messages depending on whether the input is valid or invalid.

Testing:

- When all fields are correctly filled → green "Looks good!" messages appear.
- When some fields are empty or incorrect → red feedback text is displayed.

Result: Bootstrap validation styles work properly without any JavaScript.

Bootstrap Forms

Name ✓ Looks good!

Email ⚠ Please enter a valid email.

Message ✓

Message is valid.

Part 3 – Advanced Form Project

Task 4. Registration Form

Description:

A full registration form was created using HTML5 + Bootstrap, following all structural and validation rules.

Fields included:

- First Name, Last Name
- Email
- Password and Confirm Password (with matching check)
- Gender (radio buttons)
- Hobbies (checkboxes)
- Country (dropdown list)
- Submit and Reset buttons

Validation Features:

- All fields marked as required.
- Password requires 6–20 characters.
- Confirm password checks for equality with main password.
- Gender and country fields must be selected.
- Bootstrap's `invalid-feedback` and `valid-feedback` messages appear properly.

Result:

Form layout is responsive, validation works correctly for all fields, and design fully matches Bootstrap 5 standards.

Advanced Form Project

First Name	<input type="text" value="Bek"/> ✓	Last Name	<input type="text" value="Galymzhan"/> ✓
Email	<input type="text" value="Leo@gmail.com"/> ✓	Password	<input type="password" value="*****"/> ✓
Confirm Password	<input type="password" value="*****"/> ⓘ <small>Passwords must match.</small>	Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female
Country	<input type="text" value="USA"/> ✓ ▾		
<input type="button" value="Submit"/> <input type="button" value="Reset"/>			

<https://github.com/Bekbauly/WebTechFrontEnd5>