

**AMERICAN INTERNATIONAL UNIVERSITY BANGLADESH (AIUB)**  
**Faculty of Science and Technology (FST)**  
**Department of Computer Science (CS)**  
**Course: Web Technologies**

**Lab Task 02: Interactive Form Validation and Submission**

**Instruction:**

- 1. Complete the task**
- 2. After completion, push the code in the GitHub repository.**

**Scenario:**

A company needs a contact form with real-time validation and AJAX submission. Build a form that validates each field as users interact, submits without page reload, and displays success/error messages.

**Steps:**

Create an advanced contact form:

- **Frontend (contact.html):**
  - Form fields: name, email, phone, subject (dropdown), message (textarea)
  - Real-time validation with error messages below each field
  - Visual indicators (green checkmark, red X)
  - Submit button disabled until all fields valid
  - Success modal/message after submission
- **Validation Rules:**
  - Name: minimum 3 characters, only letters and spaces
  - Email: valid format, check if exists in system
  - Phone: valid format (xxx-xxx-xxxx pattern)
  - Subject: must be selected
  - Message: minimum 20 characters
- **Backend Files:**
  - `validate_email.php`: Check email format and availability
  - `submit_form.php`: Process and save form data
    - Save to `contact_messages` table
    - Send auto-reply email simulation
    - Return JSON response
- **AJAX Features:**
  - Validate email on blur event
  - Submit form using POST with JSON data
  - Display loading spinner during submission
  - Show success message with reference number
  - Clear form after successful submission
  - Display server-side validation errors
  - Implement timeout handling (5 seconds)