**Business Case:** Mobile Phone Validation Plugin for **custom entity** named Student.

Scenario: Your organization wants to ensure that mobile phone numbers entered in Microsoft Dynamics 365 CE for student records follow a specific format and are not duplicates. Develop a plugin that validates the mobile phone field against a regular expression pattern and checks for duplicate entries.

Instructions:

1. Develop a Dynamics 365 CE plugin that triggers on the creation or update of student records.
2. Implement the following functionality within the plugin:
   * Retrieve the mobile phone number entered for the student record.
   * Validate the mobile phone number against a specified regular expression pattern (e.g., a specific number of digits or a particular format like **"+1 XXX-XXX-XXXX").**
   * Check for existing student records with the same mobile phone number to prevent duplicates.
   * Alert users if the mobile phone number is invalid or if a duplicate entry is found.

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| **Environment** | https://org13a51636.crm11.dynamics.com/main.aspx?forceUCI=1&pagetype=apps |
| **User name** | christiec@M365x86825277.onmicrosoft.com |
| **Password** | $7l{(:k7WuZlH49F |