

**LA GRANDEE INTERNATIONAL COLLEGE**

**Simalchaur, Pokhara, Nepal**

Assignment I

**Submitted to**

Mr. Ashwin Poudel

La Grandee International College

Bachelor of Computer Application (BCA) Program

In partial fulfillment of the requirements for the degree of Program Name under

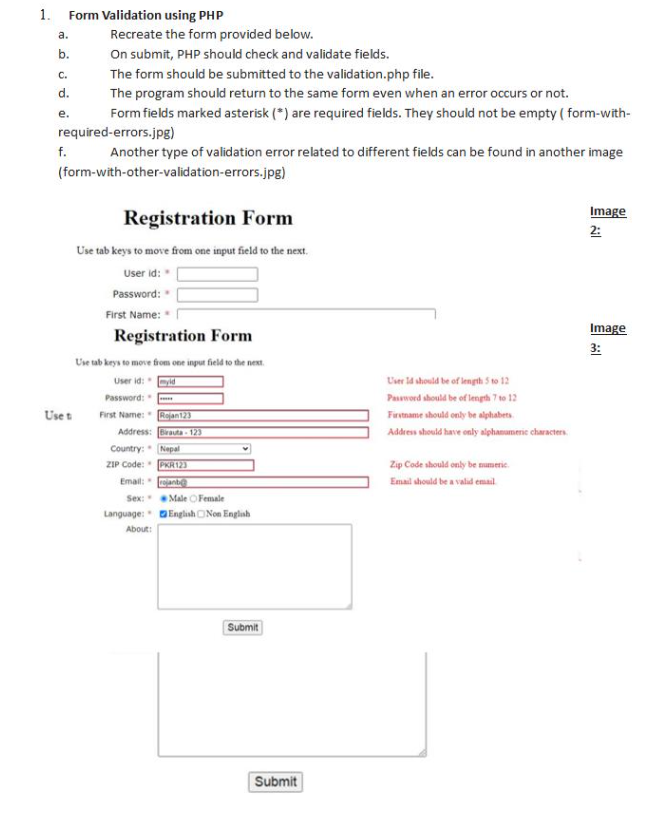
Pokhara University

**Submitted by**

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| --- | --- | --- | --- |
| **Name:** | **Course** | **Semester** | **P.U. Registration Number** |
| Subash Gurung | BCA | 6th | 2022-1-53-0147 |

**Date: 4th May 2025**

**Question:**



1. **Introduction**

This is a PHP backend description of a registration form with field validation using regular expressions, password hashing, and safe insertion into a MySQL database using prepared statements.

**2.form.php**

<form method="post" action="">

    User id: \* <input type="text" name="userid" value="<?= $userId ?>"><span class="error"> <?= $userIdErr ?></span><br><br>

    Password: \* <input type="password" name="password"><span class="error"> <?= $passwordErr ?></span><br><br>

    First Name: \* <input type="text" name="firstname" value="<?= $firstname ?>"><span class="error"> <?= $firstnameErr ?></span><br><br>

    Address: \* <input type="text" name="address" value="<?= $address ?>"><span class="error"> <?= $addressErr ?></span><br><br>

    Country: \*

    <select name="country">

        <option value="Nepal">Nepal</option>

        <option value="India">India</option>

        <option value="USA">USA</option>

    </select><br><br>

    ZIP Code: \* <input type="text" name="zip" value="<?= $zip ?>"><span class="error"> <?= $zipErr ?></span><br><br>

    Email: \* <input type="text" name="email" value="<?= $email ?>"><span class="error"> <?= $emailErr ?></span><br><br>

    Sex: \*

    <input type="radio" name="sex" value="Male">Male

    <input type="radio" name="sex" value="Female">Female<br><br>

    Language: \*

    <input type="checkbox" name="language[]" value="English">English

    <input type="checkbox" name="language[]" value="Non English">Non English<br><br>

    About: <br><textarea name="about" rows="5" cols="40"></textarea><br><br>

    <input type="submit" value="Submit">

</form>

**3.Validation**

<?php

$userId = $password = $firstname = $address = $zip = $email = "";

$userIdErr = $passwordErr = $firstnameErr = $addressErr = $zipErr = $emailErr = "";

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    // User ID

    if (empty($\_POST["userid"]) || strlen($\_POST["userid"]) < 5 || strlen($\_POST["userid"]) > 12) {

        $userIdErr = "User Id should be of length 5 to 12";

    } else {

        $userId = $\_POST["userid"];

    }

    // Password

    if (empty($\_POST["password"]) || strlen($\_POST["password"]) < 7 || strlen($\_POST["password"]) > 12) {

        $passwordErr = "Password should be of length 7 to 12";

    } else {

        $password = $\_POST["password"];

    }

    // First Name

    if (!preg\_match("/^[a-zA-Z]+$/", $\_POST["firstname"])) {

        $firstnameErr = "Firstname should only be alphabets.";

    } else {

        $firstname = $\_POST["firstname"];

    }

    // Address

    if (!preg\_match("/^[a-zA-Z0-9\s\-]+$/", $\_POST["address"])) {

        $addressErr = "Address should have only alphanumeric characters.";

    } else {

        $address = $\_POST["address"];

    }

    // Zip Code

    if (!preg\_match("/^[0-9]+$/", $\_POST["zip"])) {

        $zipErr = "Zip Code should only be numeric.";

    } else {

        $zip = $\_POST["zip"];

    }

    // Email

    if (!filter\_var($\_POST["email"], FILTER\_VALIDATE\_EMAIL)) {

        $emailErr = "Email should be a valid email.";

    } else {

        $email = $\_POST["email"];

    }

}

?>