newsletter.php

```php
<?php
// ----------------------------
// newsletter.php (Day 2 Final)
// ----------------------------

// DAY 2: Escape helper
function esc_html(string $s): string
{
    return htmlspecialchars($s, ENT_QUOTES, 'UTF-8');
}

$user   = '';
$email  = '';
$errors = [];

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    // DAY 2: safer reads with filter_input
    $user  = filter_input(INPUT_POST, 'user',  FILTER_UNSAFE_RAW);
    $email = filter_input(INPUT_POST, 'email', FILTER_VALIDATE_EMAIL);

    // DAY 2: updated validation for user + email
    if ($user === null || trim($user) === '') {
        $errors['user'] = 'Username is required.';
    }
    if ($email === null || $email === false) {
        $errors['email'] = 'Please enter a valid email address.';
    }

    // DAY 2: use http_build_query instead of manual urlencode
    if (!$errors) {
        $qs = http_build_query([
            'ok'    => 1,
            'user'  => $user,
            'email' => $email,
        ]);
        header('Location: newsletter.php?' . $qs);
        exit;
    }
}
?>
<!doctype html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <title>Newsletter</title>
    <?php require __DIR__ . '/includes/bootstrapcdnlinks.php'; ?>
```

```php
48  </head>
49
50  <body class="p-3">
51      <?php require __DIR__ . '/includes/navigation.php'; ?>
52      <div class="container" style="max-width:780px;">
53          <h1>Newsletter</h1>
54
55          <!-- FLASH MESSAGE -->
56          <?php if (isset($_GET['ok']) && $_GET['ok'] === '1'): ?>
57              <div class="alert alert-success">
58                  Thanks <?= esc_html($_GET['user'] ?? 'friend') ?> <!-- DAY 2:
    escaped -->
59                  Subscribed as <?= esc_html($_GET['email'] ?? '') ?> <!-- DAY 2:
    escaped -->
60              </div>
61          <?php endif; ?>
62          <!-- END FLASH MESSAGE -->
63
64          <!-- Error message -->
65          <?php if ($errors): ?>
66              <div class="alert alert-danger">
67                  <strong>Please fix:</strong>
68                  <ul class="mb-0">
69                      <?php foreach ($errors as $msg): ?>
70                          <li><?= esc_html($msg) ?></li> <!-- DAY 2: escaped -->
71                      <?php endforeach; ?>
72                  </ul>
73              </div>
74          <?php endif; ?>
75
76          <?php if ($_SERVER['REQUEST_METHOD'] !== 'POST' || $errors): ?>
77              <form action="newsletter.php" method="post" class="mb-3" novalidate>
78                  <label class="form-label">Username
79                      <!-- DAY 2: sticky form (escaped) -->
80                      <input class="form-control" type="text" name="user"
81                          value="<?= esc_html((string)$user) ?>"> <!-- DAY 2 -->
82                  </label>
83                  <label class="form-label mt-2">Email
84                      <!-- DAY 2: sticky form (escaped) -->
85                      <input class="form-control" type="text" name="email"
86                          value="<?= esc_html((string)($email === false ? '' :
    ($email ?? ''))) ?>"> <!-- DAY 2 -->
87                  </label>
88                  <button class="btn btn-primary mt-3" type="submit">Subscribe</
    button>
89              </form>
90          <?php else: ?>
91              <!-- Pre-PRG demo (for demo resend on POST only, not shown after GET
    redirect) -->
92              <h2>Raw POST</h2>
```

```php
            <pre><?php var_dump($_POST); ?></pre>
        <?php endif; ?>
    </div>
</body>

</html>
```