**Task 1: Test strategy**

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| **Test No.** | **Description** | **Test Data (Input)** | **Expected Outcome** | **Actual Outcome** | **Comments** |
| **1.1** | Register Page (registration.php) | User must fill register form to advance forward, if the user does not fill the form, then they get a result saying, “All fields are required”. | All fields are required. | All fields are required, as well as, “invalid” and “password must be at least 8 characters long” | Submitting an empty form triggered other functions namely, short password validation result and the invalid email validation result.  This means, if the form is submitted empty. It will throw back to the user that the “email is invalid2, and the “password must be at least 8 characters long”, even though nothing was inputted in their respective fields.  Code:  if (isset($\_POST["submit"]) && (empty($fullName) || empty($email) || empty($password) || empty($passwordRepeat))) {      array\_push($errors, "All fields are required");  } |
| **1.2** | Register Page (registration.php) | User must enter a valid email address to be able to create an account. In this case an email is considered valid if it has the ‘@’ symbol in it | If user email doesn’t contain the ‘@’ symbol, the result will be “invalid email”. |  | To obtain this result I used the “FILTER\_VALIDATE\_EMAIL” expression, this checks if the provided value in the email address field is a valid email address.  Code:  if (!filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {      array\_push($errors, "Invalid email");  } |
| **1.3** | Register Page (registration.php) | Password length check: The password a user inputs must be at least 8 characters long. |  |  | Code:  if (strlen($password)<8) {      array\_push($errors, "password must be at least 8 characters long");  } |
| **1.4** | Register Page (registration.php) | Password repeat: The password entered on the first field will be entered again on the next field called confirm password and must be done to register successfully | If password repeat does not match password, it should result to an error saying, “Password does not match”. |  |  |
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