3. Test Case Design for Profile page

| **Test Case ID** | **Test Scenario** | **Positive Test Case** | **Negative Test Case** | **Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TC\_Profile\_01 | View Profile Information | Check that user can view their profile information successfully. | - | 1. Go to the profile page  2. Check displayed profile info | - | Profile information is displayed correctly. | Profile displayed as expected | Pass/Fail |
| TC\_Profile\_02 | Edit Profile Information | Check that user can successfully edit profile information (e.g., name, bio, etc.). | - | 1. Go to the profile page  2. Click "Edit"  3. Change information and save | Name: New Name  Bio: New Bio Text | Profile information is updated and saved successfully. | Profile updated as expected | Pass/Fail |
| TC\_Profile\_03 | Invalid Email Format | - | Check that profile update fails with an invalid email format. | 1. Go to the profile page  2. Click "Edit"  3. Enter invalid email format and save | Email: invalidemail | Error message displayed: "Please enter a valid email address." | Error shown as expected | Pass/Fail |
| TC\_Profile\_04 | Required Fields Empty | - | Check that profile update fails when required fields are left empty. | 1. Go to the profile page  2. Click "Edit"  3. Clear required fields and save | Name: (empty) | Error message displayed: "This field is required." | Error shown as expected | Pass/Fail |
| TC\_Profile\_05 | Profile Picture Upload | Check that user can successfully upload a new profile picture. | Check that profile picture upload fails with an unsupported file format. | 1. Go to the profile page  2. Click "Edit Picture"  3. Select and upload a file | Supported format: .jpg/.png | Profile picture is uploaded and displayed correctly. | Picture updated as expected | Pass/Fail |
| TC\_Profile\_06 | Invalid Phone Number | - | Check that profile update fails when an invalid phone number format is entered. | 1. Go to the profile page  2. Click "Edit"  3. Enter an invalid phone number and save | Phone: 123abc | Error message displayed: "Please enter a valid phone number." | Error shown as expected | Pass/Fail |
| TC\_Profile\_07 | Character Limit on Fields | Check that user can update profile info with data within character limits. | Check that profile update fails if any field exceeds the maximum character limit. | 1. Go to the profile page  2. Click "Edit"  3. Enter max/over-limit characters in each field and save | Name: 30 chars  Bio: 150 chars | If within limit, profile updates successfully. If over limit, error: "Input exceeds max length." | Over limit, error shown | Pass/Fail |
| TC\_Profile\_08 | Special Characters in Fields | Check that user can use allowed special characters in fields (if allowed). | Check that profile update fails if unsupported special characters are entered. | 1. Go to the profile page  2. Click "Edit"  3. Enter special characters in fields and save | Name: User!@# | If allowed, profile updates. If not allowed, error: "Invalid characters used." | Unsupported error shown | Pass/Fail |
| TC\_Profile\_09 | Save without Changes | Check that no error occurs if the user clicks "Save" without making any changes. | - | 1. Go to the profile page  2. Click "Edit"  3. Click "Save" without making any changes | - | No error is shown, and user remains on profile page. | No error, page saved as expected | Pass/Fail |
| TC\_Profile\_10 | Cancel Changes | Check that changes are discarded when user clicks "Cancel" after editing. | - | 1. Go to the profile page  2. Click "Edit"  3. Make changes but click "Cancel" | Name: New Name  Bio: New Bio Text | Profile remains unchanged; any unsaved edits are discarded. | Changes discarded as expected | Pass/Fail |