# Testing Document and Specification
## Test Specification

Audrey Tsafack
Jessi Bautista Espino
Kyra Haake
Ricardo Alvarado

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| **Test Case ID:** | 4.1 |
| **Title:** | Authenticating A User By Username And Password |
| **Feature/Subfeature:** | System User Validation |
| **Purpose:** | To ensure that only persons who signed up for the donation application are able to log in and navigate the website. |
| **Initial Conditions:** | The user must be on the fundraiser website and the log-in button should be present on the top right. |
| **Test Data:** | Create a valid email and password to be able to log back into. |
| **Test Actions:** | 1. Go to the main website<br>2. Click on the "Log in" Button<br>3. Enter email as username and password.<br>4. Select "Sign In"<br>5. Dashboard will be shown and can be navigated. |
| **Expected Results:** | After Step 2 a pop-up box should appear prompting for username and password. After step 4, if a valid username and password are entered, the dashboard page should be displayed. If invalid data has been entered, step 3 should be repeated. |

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| **Test Case ID:** | 4.2 |
| **Title:** | Allow A Logged in User To Create A Fundraiser Page |
| **Feature/Subfeature:** | System User Validation/Creating A Fundraiser |
| **Purpose:** | To ensure that an authenticated account can create a fundraiser. |
| **Initial Conditions:** | Logged in user must currently be on "My Account" page after signing in. The "New Fundraiser" button will be displayed on the right. |
| **Test Data:** | Create fundraiser description, including numbers and dates. |
| **Test Actions:** | 1. Log in succesfully<br>2. Click on "My Account" button on the top menu<br>3. Select the "New Fundraiser" button on the right.<br>4. Create a fundraiser by adding in name, data, goal, description, etc.<br>5. Select "Submit" button on bottom right. |

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| **Expected Results:** | After Step 4, User should have correctly inserted data to create a new fundraiser. After Step 5, a pop up will show that the fundraiser was successfully created and is now posted. |


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| **Test Case ID:** | 4.3 |
| **Title:** | Donating To A Fundraiser As Any Type of User |
| **Feature/Subfeature:** | Donating |
| **Purpose:** | To ensure that valid users, logged in or not, can donate to a fundraiser. |
| **Initial Conditions:** | Any user (logged in or not) must be on the landing page and choose the "Fundraisers" button on the top main menu. |
| **Test Data:** | Use numbers for the fake donation transactions. |
| **Test Actions:** | 1. Go to landing page and press on "Fundraisers" in the top menu.<br>2. Choose a fundraiser and press the "Donate" button.<br>3. Main fundraiser page will open and will display all of its information.<br>4. Select "Donate" button<br>5. Input amount and payment information.<br>6. Press the "Submit" button |
| **Expected Results:** | After step 6, a pop-up will show a successful donation. |


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| **Test Case ID:** | 4.4 |
| **Title:** | Ability For Users To Change Password |
| **Feature/Subfeature:** | Security Password |
| **Purpose:** | To ensure that valid users are able to change password. |
| **Initial Conditions:** | Current user must be on the "Log in" page. |
| **Test Data:** | Have valid email to actually reset password. |
| **Test Actions:** | 1. Press "Click Here" button next to the "Forgot Password" text.<br>2. Enter valid email and press "Confirm"<br>3. Open reset email and change password.<br>4. Go back to log in page and log in with the new password. |

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| **Expected Results:** | After step 2, an email will be sent out to reset the password. After step 3, database data will change and user will be able to log in with new password. |

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| **Test Case ID:** | 4.5 |
| **Title:** | Ability For Users To Change Username |
| **Feature/Subfeature:** | Security |
| **Purpose:** | To ensure that valid users are able to change username. |
| **Initial Conditions:** | Current user must be logged in and in the "My Account" opage. |
| **Test Data:** | After creating username, remember it so there can be a new one to change. |
| **Test Actions:** | 1. Go to "My Account" in the top menu<br>2. Press "Settings" on the left menu<br>3. In the "Change username" text box, insert new username<br>4. Press "Change" |
| **Expected Results:** | After step 4, pop up will successfully show that username was changed. |