| Project: MP3er Software Design Specification |
|---|

**Account Creation/ Login Page:**

| Sign Up | | | |
|---|---|---|---|
| | Test Case: | Type: | Description: |
| | Validate email format | Unit Test | Check if the function to validate the email format works correctly. |
| | Validate password complexity | Unit Test | Verify if the function checking the password complexity functions as expected. |
| | Verify new account creation | Functional Test | Ensure that a new account is successfully created with all required details. |
| | Check for duplicate email during sign up. | Functional Test | Verify that the system detects duplicate emails during the sign-up process. |

| Login | | | |
|---|---|---|---|
| | Test Case: | Type: | Description: |
| | Validate email and password input fields | Unit Test | Verify the function that checks the presence of both email and password in the input fields. |
| | Successful login | Functional Test | Ensure that the user can log in successfully with the correct credentials. |
| | Account lockout after multiple failed attempts. | Functional Test | Test if the system locks the account after a certain number of consecutive failed login attempts. |