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| Project Name: NatureSync Health Tracker Using AI | | | Test Designed by: Sadman Samir Rafith | | |
| Test Case ID: FR\_1 | | | Test Designed date: 30/03/24 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: | | |
| Module Name: User Authentication | | | Test Execution date: | | |
| Test Title: Authentication System Functionality Test" | | | | | |
| Description: This test evaluates the effectiveness of the authentication system, encompassing username/password login and multi-factor authentication functionalities." | | | | | |
| Precondition (If any): Users must have a registered account to initiate the authentication process. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Enter username 3. Enter password 4. Click Login | Username: Rafith  Password: Rafith67890! | Successful authentication with valid credentials grants access to the user account. | | The authentication process successfully grants access to the user account with valid credentials. | Pass |
| Postcondition: The user gains access to their account after successful authentication, ensuring secure access to the platform's features and functionalities. | | | | | |

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| Project Name: NatureSync Health Tracker Using AI | | | Test Designed by: Sadman Samir Rafith | | |
| Test Case ID: FR\_2 | | | Test Designed date: 30/03/24 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: | | |
| Module Name: User Registration | | | Test Execution date: | | |
| Test Title: Account Activation Workflow: Registration and Email Verification | | | | | |
| Description: Registration and Email verification for Account Activation | | | | | |
| Precondition (If any): User does not have an existing account/ registered email address | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Go to register 3. Enter username 4. Enter email 5. Enter password 6. Click register | Username: Rafith  Email: rafithsadman@gmail.com  Password: Rafith67890! | The user should observe the successful creation of a new account with a unique username, email, and password, followed by a confirmation email for verification leading to account activation. | | The account is successfully created with a unique username, email, and password, and the confirmation email for verification is sent. | Pass |
| Post Condition: The user account is registered and email verified, enabling access to the platform's functionalities and the user has been added to the database. | | | | | |

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| Project Name: NatureSync Health Tracker Using AI | | | Test Designed by: Sadman Samir Rafith | | |
| Test Case ID: FR\_3 | | | Test Designed date: 30/03/24 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: | | |
| Module Name: Password Recovery | | | Test Execution date: | | |
| Test Title: Password Recovery Functionality Test | | | | | |
| Description: The Password Recovery module facilitates password recovery for users with registered email addresses. | | | | | |
| Precondition (If any): Users must have a registered email address to initiate the password recovery process. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Go to Forgot password 3. Enter verified Email 4. Enter verification code 5. Click Verify 6. Enter a new password 7. Confirm Password | Email: [rafithsadman@gmail.com](mailto:rafithsadman@gmail.com)  Verification code:69874  New Password: Sadman67890! | Successful retrieval and verification code leading to password reset. | | The security questions or verification code are successfully retrieved and verified, allowing for the reset of the user's password. | Pass |
| Post Condition: The user's password is successfully reset, ensuring access to the account with the updated credentials and the new password has been updated to the database. | | | | | |

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| Project Name: NatureSync Health Tracker Using AI | | | Test Designed by: Sadman Samir Rafith | | |
| Test Case ID: FR\_4 | | | Test Designed date: 30/03/24 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: | | |
| Module Name: Logout Session | | | Test Execution date: | | |
| Test Title: Logout Functionality Test | | | | | |
| Description: Test user logout functionality, including manual and automatic logout procedures. | | | | | |
| Precondition (If any):The user must be logged in to initiate the logout process. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Enter username 3. Enter password 4. Click Login 5. Locate and click Logout 6. Confirm the Logout action | Username: Rafith  Password: Rafith67890! | Clicking the Logout button successfully terminates the user's session and redirects them to the login page. | | The user's session is successfully terminated upon clicking the "Logout" button, and they are redirected to the login page as expected. | Pass |
| Post Condition: The user is logged out of their session, ensuring the security of their account and preventing unauthorized access. | | | | | |