User Acceptance Test (UAT) Plan

Cloud-based Bioinformatics Tools

Pedigree

Document Version: 1.1

Date: 28/11/2013

Contents

1 Document Management

1.1 Contributors

Role	Group	Name
Owner	The Ark	Travis Endersby, Adrian Bickerstaffe, John Hopper
Developer	The Ark	Thilina Ranawera
Tester/ User	The Centre of Epidemiology and Biostatistics, The University of Melbourne	Adrian Bickerstaffe

1.2 Version Control

Date	Version	Author	Section	Amendment
26/11/2013	1.0	Travis Endersby		Initial Version
28/11/2013	1.1	Adrian Bickerstaffe		Minor edits to organisational names.

2 USER ACCEPTANCE TESTING

2.1 User Acceptance Definition

User Acceptance Testing should ensure that the application performs at an acceptable level for the Customer.

2.2 UAT Responsibilities

Role	Name	Responsibilities
Project Manager	Paul White, Travis Endersby	Communication with users to agree format and scope of UAT Agree acceptance criteria with the Steering Committee nominee and designated UAT test personnel prior to commencing UAT Ensure that a detailed test plan is available for test users Ensure that bugs identified during UAT are logged in the Jira Issues Log Ensure testing takes place within agreed timeframes
Steering Committee Nominee	John Hopper	Ensure appropriate UAT personnel to conduct testing are identified and available Signoff final test results
UAT Tester and Business analyst	Adrian Bickerstaffe	Conduct UAT tests

3 UAT STRATEGY

The User Acceptance Test Plan should be used to record the Steering Committee Nominee(s) sign off of the documented scenarios. It is recommended that detailed test plans be used to record the results of user testing.

3.1 Test Approach

The purpose of this test case is to validate the Pedigree module.

3.2 Assumptions & Constraints

The following is assumed:

1. The test user can successfully access an UAT environment & production environment
2. The test user has a valid login to The Ark
3. The test user has been granted access to the all appropriate modules to cross check data and Reporting Module to modify and submit Pedigrees
4. There is production data is available

3.3 Test Scenarios

Test Scenarios are laid out in the attached document (a scanned condensed 20 page print out for sign off and the original document with all of the previous test runs and communications will be available as an xls spreadsheet).

4 USER TESTING

PLEASE SEE ATTACHED DOCUMENTS

Any failed issues identified during UAT should be added to The Ark Issues Log in Jira. It may be agreed that UAT can be signed off while some feature requests remain – please add the Jira reference to the appropriate section above if this is the case.

The following requests have been made for a future release. These issues are low priority and all parties are willing to sign off on the condition that these issues are addressed by 31/12/2013.

https://the-ark.atlassian.net/browse/ARK-1122

- Cycles in pedigree structures should be detected and reported.

https://the-ark.atlassian.net/browse/ARK-1123

- Extra validation for TwinStatus and TwinUID fields during upload

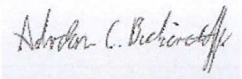
5 UAT RESULTS

5.1 Open Issues

Please insert a copy of any open issues from Jira, together with details of why these issues remain open at the sign off of the Acceptance Stage.

No issues were found which caused the delay of acceptance / sign-off, however there are several feature requests specified in the attached document. These will be prioritized and, if valued highly enough, delivered after consultation with Adrian Bickerstaffe and other parties. They are not critical to the current use of the application.

5.2 Document Sign Off

Role	Name	Signature	Date
UAT Test Manager	Adrian Bickerstaffe		28/11/2013
Steering Committee Nominee	John Hopper		28/11/2013

APPENDIX A: Attached test results (following pages);

Result coding: 1 = Pass (full functionality with no unexpected errors), 0 = Fail (lack of required functionality or reproducible error during testing), 9 = Conditional (partial functionality, error during testing which cannot be reproduced, poor user experience or other constraints) X = Functionality which is desirable for future iterations of

#	Test description	Pass (all items)	Fail (on any item)	User	Test time	Result
	Pedigree					
1	A user with sufficient access can view subject upload panel.	Pedigree tab is shown to user with appropriate permissions.	Pedigree tab is shown to user with insufficient permissions.	adrianb	1:30pm 12/11/2013	**1**
2	A user with sufficient access can upload a pedigree structure using a standard .ped file.	Upload file extension is ".ped" Subject IDs in uploaded file should match the existing subject UIDs of the study in context Fields familyID, individualID, fatherID, motherID are specified for all the records in the .ped file	Uploaded file extension is not ".ped" One or more subject IDs in uploaded file does not match existing subject UIDs in the study in context A subject is specified as their own parent Mother subject UID matches a male subject of the study in context Father subject UID matches a female subject in study in context	adrianb	1:30pm 12/11/2014	**1**
3	A user with sufficient access can search for relatives.	Correct search results for a user-specified set of search filter values	Incorrect search results displayed	adrianb	1:30pm 12/11/2015	**1**
4	A user with sufficient access can set a mother relationship for the subject in context.	Mother relationship saved successfully and indicated to the user	Mother relationship set for a male subject. Mother relationship not indicated on subsequent visits to the subject details page.	adrianb	1:30pm 12/11/2016	**1**
5	A user with sufficient access can remove a mother relationship for the subject in context.	Mother relationship removed from backend and outcome indicated to the user	Mother relationship still indicated when it has been removed Button to remove mother relationship is active when no relationship exists	adrianb	1:30pm 12/11/2017	**1**

6	A user with sufficient access can set a father relationship for the subject in context.	Father relationship saved successfully and indicated to the user	Father relationship set for a male subject Father relationship not indicated on subsequent visits to the subject details page	adrianb	1:30pm 12/11/2018	1
7	A user with sufficient access can remove a father relationship for the subject in context.	Father relationship removed from backend and outcome indicated to the user	Father relationship still indicated when it has been removed Button to remove father relationship is active when no relationship exists	adrianb	1:30pm 12/11/2019	1
8	A user with sufficient access can view all the relatives for the subject in context.	Indicated relative types are correct Indicated relative summary details are correct All recorded relatives are displayed	Incorrect relative types displayed Incorrect relative summary details displayed One or more relatives missing from the listing One or more non-relatives displayed	adrianb	1:30pm 12/11/2020	1
9	A user with sufficient access can bring into context a relative linked from the pedigree screen.	The correct subject UID is indicated in the upper status area	Incorrect subject UID displayed in the upper status area Incorrect subject data displayed throughout Ark screens (i.e. subject not brought into context properly)	adrianb	1:30pm 12/11/2021	1
10	A user with sufficient access can visualise graphically the pedigree structure of the subject in context.	A valid pedigree diagram structure is displayed Subject UID labels and proband are correct Visualisation is hidden on user request	Invalid pedigree structure displayed Incorrect UID labels and/or proband Pedigree not hidden on user request	adrianb	2:00pm 13/11/2022	1
11	A user with sufficient access can print the pedigree visualisation.	Print dialog is displayed to the user on request Printed visualisation matches on-screen visualisation Printed visualisation fits one page	Print dialog not displayed as requested Printed visualisation does not match on-screen visualisation Printed visualisation spans more than one page	adrianb	2:00pm 13/11/2023	1

12	A user with sufficient access can download as an image the pedigree diagram of the subject in context.	Downloaded file is not corrupt Downloaded file has a .png extension Image contains correct pedigree structure and subject UID labels	Image file is corrupt and not viewable Image file has an extension other than .png Image displays incorrect pedigree structure and/or subject UID labels	adrianb	2:00pm 13/11/2024	1
13	A user with sufficient access can download as a .ped file the pedigree structure of the subject in context.	Downloaded file is not corrupt Downloaded file has .ped extension Downloaded file has correct tab-separated contents Downloaded file contains correct information about relatives of the person in context	Pedigee file is corrupt Pedigree file has an extension other than .ped Pedigree file contents is not tab-delimited Pedigree file contains information about a subject not related to the person in context Pedigree file does not contain information about a subject related to the person in context	adrianb	2:00pm 13/11/2025	1