

# HRE PROJECT



## Status Update – April 2022

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**Disclaimer.** Wholly Genes, Inc., the developer of *The Master Genealogist* ('TMG'), is not involved in the HRE project, does not provide technical support nor assume any responsibility or liability for the project.

# Today we will...



1. Review progress since our original Dec 2020 status report and the update we gave in July 2021
2. Cover progress since then
3. Have a look at the running system
4. Take any questions for answering after this event.



# 1. Where we were (July '21)

Version 0.1: build initial HRE to allow creation, backup, restore, delete, rename of databases. ✓

Allow ~~entering, editing~~ and display of Persons and their Names  
~~under the control of editable Name Style Definitions.~~ ✓

Version 0.2: add Locations ✓

We cheated a bit on that status, as Name Styles weren't complete and in fact needed a complete re-design of that part of the database.



## 2. Where we are now

Version 0.1: built initial HRE to allow creation, backup, restore, delete, rename, copy of databases.

Allow ~~entering, editing~~ and display of Persons and their Names under the control of ~~editable Name Style Definitions~~.

Version 0.2: add Locations

Version 0.3: add Events  and Tasks

So we're heading towards v0.3 minus the Name Styles (which are causing us problems to get right) and the Enter/Edit bit....



### 3. What have we done since

- We've done a whole lot of 'behind the scenes' work. This isn't very exciting, as you can't see it, but is all part of the original HRE design scope
- In effect we've 'broadened' the HRE implementation without charging ahead with the narrow 'grab the TMG data' focus you're all waiting for
- So bear with me while I explain some of this work. It is important to the whole HRE concept.



## 4. Installation

- We revised the install packaging process - you now no longer need to install Java in order to run HRE
- In fact users won't even know they're running a Java-based program
- This applies to all 3 supported OS's (Windows 7 - 11, macOS, Linux)
- This also makes HRE portable – you can run it from a USB stick on Windows.



## 5. HRE in Server Mode

- We have tested the various access modes provided by our chosen database software (H2)
- We have tested communication between an HRE client and HRE database server. This demonstrated that an HRE client can communicate with an HRE database server over the internet and other users can also access the database
- To this we've also added SSL-secured remote communications access.

## 6. Plugins



- It was always a design goal for HRE to allow anybody to write a ‘plugin’ piece of code to extend HRE capabilities
- In support of that we have now implemented ‘plugin points’ for such code to be added to HRE at the following places (and can easily add more):
  - As an additional Main menu item
  - As a new Report item
  - As a new Research Type
  - As a new Tool item
  - As a new Viewpoint type.



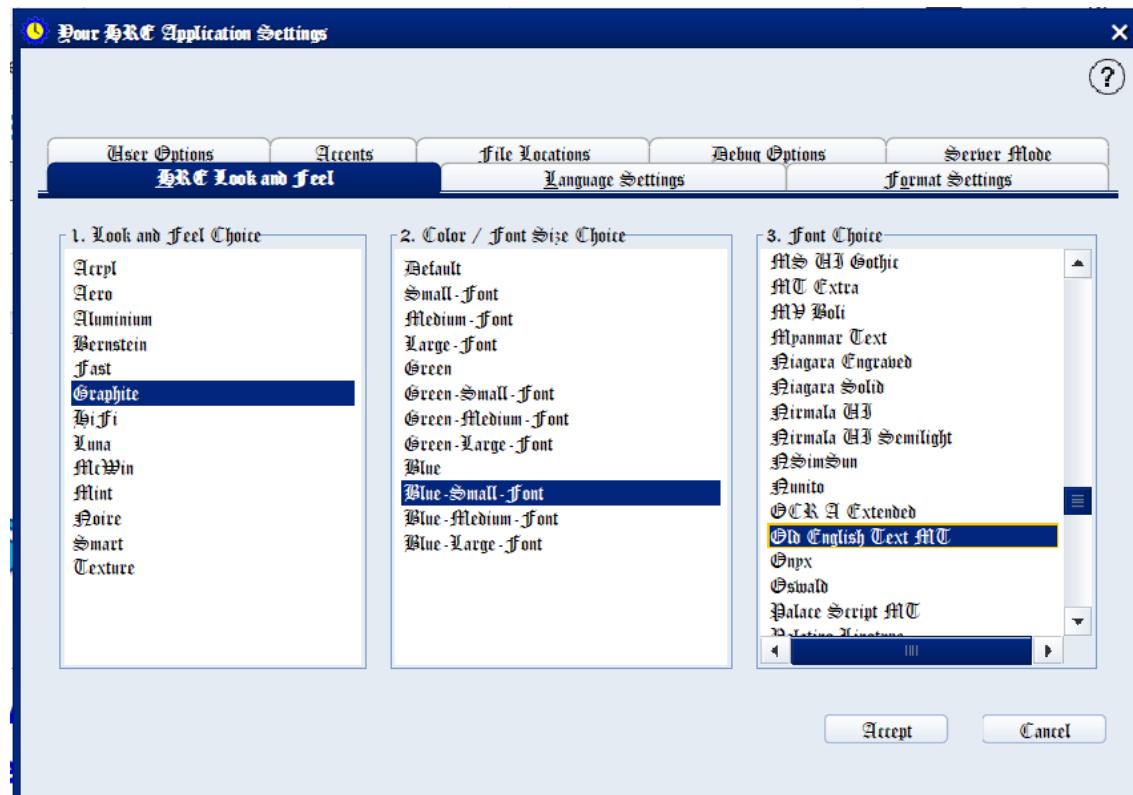
## 7. Performance

- We've always keep an eye on performance and have large test projects (110,000 ++ persons) that allow us to check if a software update has acceptable performance when processing large projects
- As a result we have improved performance in many areas through a variety of techniques including database index re-design, multi-threading, progress monitoring of long running tasks and implementation of the latest version of H2 Database code
- TMG Import times have also been halved.

# 8. Settings



We've expanded the User settings. For example, you can now choose the Look & Feel, Font Size/Color and the Font – so if you want your screen to be in Old English script, then go for it:

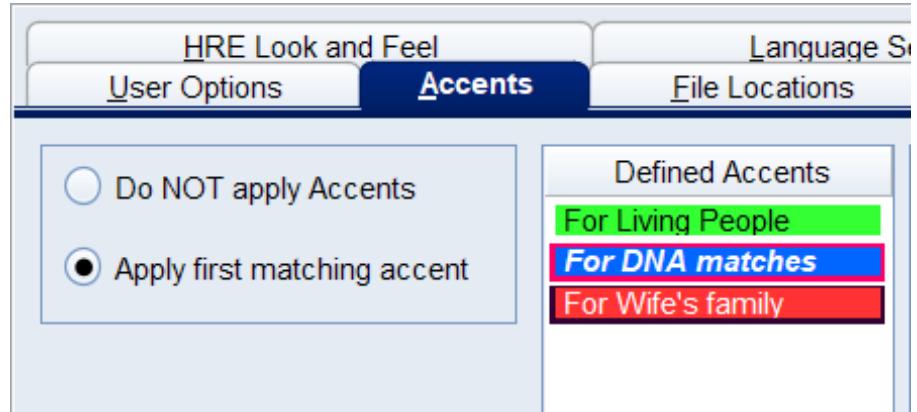
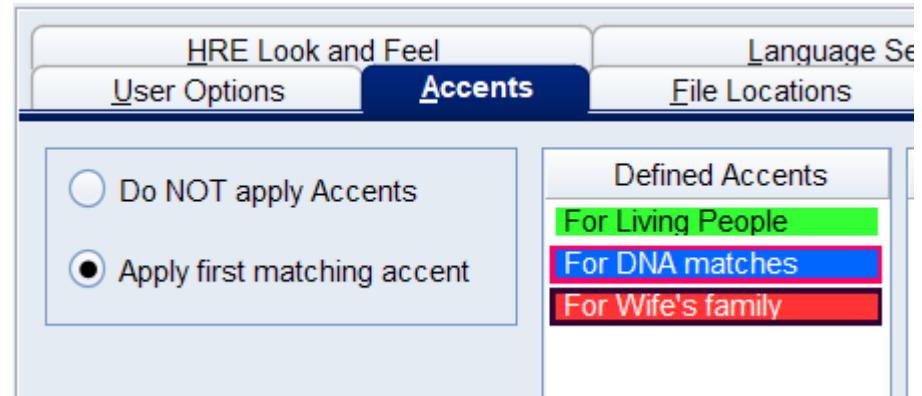


## 9. Settings



We've expanded Accents to 3 color settings (font, fill, border) to make it easier to construct more color combinations.

Problem is – how do you then identify the one you've selected to change? We went with changing the font ->





## 10. Languages

- We've kept on translating screens that are more or less 'stable' into English, French, German, Norwegian
- Ditto for translations of their Help files – but more translators welcome!
- We've also added Spanish and Italian to the available languages for the HRE screens and, of course, their Help
- We automated a lot of this work, so we could use some Spanish and Italian translation 'checkers' to review.



## 11. Languages continued...

- In TMG, when you switch language, almost everything (except the Help) changes
- HRE's approach is different – you can choose different language settings for:
  - The Screen language (which Help matches)
  - Your Data language
  - Your Report language
- This has now been implemented for the Screen language (6 choices) and Data/Reports (4 language choices).



## 12. Languages continued...

- This led us into a sort of religious argument regarding the structure of screens which have Tables of data (as most do)
- But should the Table headings match the language of the displayed data, or match the rest of the screen?
- We'll show you what we mean on the next slides, then you can tell us which seems the most natural ....



## 13. Languages continued...

So this is a French language screen with English data (focus on the Birth Date column)

Sélecteur de personne pour le projet Ferguson

Trouver dans le nom:  Trouver ensuite

Texte à filtrer pour:  Filtre  Sélectionnez: Name

Nom d'affichage comme: Nom de famille, Nom de naissance

ID	Name	Birth Date	Birth Place
414	Ferguson, James (Hamish)	27 Jun 1913	46 Aberdour St, Glasgow, Lanarkshire
402	Ferguson, James (Jimmie)	18 Oct 1860	Middleton Farm, Old Kilpatrick, Dunbarton:
6804	Ferguson, James Dickson	13 Aug 1895	Cambuslang, Glasgow, Lanarkshire
4967	Ferguson, James Rodger	01 Feb 1895	135 Sword St, Dennistoun, Glasgow, Lan
6805	Ferguson, Jane (Jean) Cameron	10 Jul 1898	Dennistoun, Glasgow, Lanarkshire
407	Ferguson, Jane Mason Adam	20 Mar 1884	48 Whitehill St, Glasgow, Lanarkshire
1116	Ferguson, Janet	30 Nov 1854	Barony, Glasgow, Lanarkshire
1362	Ferguson, Jean Duncan	btwn Jul & Sep 1910	Waterloo, Lancashire



## 14. Languages continued...

And now we have it as an English language screen with the data in French (focus on the Birth Date column)

Person Selector for Project Ferguson

Find within Name:  Find Next << Sv

Text to filter for:  Filter  Select: Nom ▼

Display Name As: Surname, Birth-name ▼

ID	Nom	Date de naissance	Lieu de naissance
414	Ferguson, James (Hamish)	27 juin 1913	46 Aberdour St, Glasgow, Lanarkshire
402	Ferguson, James (Jimmie)	18 oct. 1860	Middleton Farm, Old Kilpatrick, Dunbartonshire
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# Poll #1

**Are Table Headings Data?**

**Table Heading Language should match Data Language – (24/52) 57%**

**Table Heading Language should match Screen Language – (18/52) 43%**



## 15. Viewpoint design & data

The Viewpoint screens can become so long they exceed the height of the physical screen, so the whole idea of them containing a lot of referenceable data became moot, given you couldn't see all of it

So they now adjust their height to that of the visible space and become a scrolling screen if and when needed

We have populated the Person Viewpoint with more data from TMG, including Image thumbnails, Events (with correct Roles) and full data in the Associates table.



## 16. Screen control

We're aware that TMG has a lot of keyboard shortcuts which many people use

Where possible we've tried to implement something similar, even though TMG & HRE screens don't 'match'

This includes the use of Function keys and Ctrl-X key combinations (or Command-X if you use a Mac).



## 17. A look at New Stuff

- We'll now take a quick look at some of the new screens we are working on before we show them in use
- As you will appreciate from our past demonstration and subsequent updates, there is still a lot of undeveloped functionality
- As always, we warn you that nothing you see is set in stone – anything may change as we move towards the first 'release'.



# 18. Manage a Person

Manage Person

Identity: James (Jimmie) Ferguson (402) Name Style: Standard

Role	Name	Surety
Father-Bio	Alexander Fergusson (400)	3
Mother-Bio	Elizabeth Stewart (401)	3

Edit Category

Events  
 Associates  
 Other Names  
 Flags  
 Media  
 Notepads  
 DNA

Event	Date	Role	Location	Age
Birth	18 Oct 1860	Child	Middleton Farm, Old Kilpatrick, Dunbartonshire, Scotland	0
Marriage	23 Dec 1881	Groom	Blythswood, Glasgow, Lanarkshire, Scotland	21
Census1891	05 Apr 1891	Head M & wife children	37 Wesleyan St, Camlachie, Glasgow, Lanarkshire, Scotla	30
Census1901	31 Mar 1901	Head M & wife children	85 Bellgrove St, Glasgow, Lanarkshire, Scotland	40
Census1911	02 Apr 1911	Head M & wife children	1052 Dumbarton Rd, Partick, Glasgow, Lanarkshire, Scottl.	50
Death	19 Apr 1949	Deceased	1052 Dumbarton Rd, Partick, Glasgow, Lanarkshire, Scottl.	88

Edit Person #:

This is sort of equivalent to the TMG Details/Person View screen but we've added more to it. You'll see it better when we get to the demonstration.



## 19. Manage Person continued..

You'll notice this Event list only shows events where the person was a 'Principal' (in TMG terms).

The same is true of the list of 'Associates'. This is like TMG with 'Show witnessed events' and 'Show children' turned off.

Event	Date	Role
Birth	18 Oct 1860	Child
Marriage	23 Dec 1881	Groom
Census1891	05 Apr 1891	Head M & wif
Census1901	31 Mar 1901	Head M & wif
Census1911	02 Apr 1911	Head M & wif
Death	19 Apr 1949	Deceased

Person	Role	Event ▾
Alexander Ferguson (406)	children with parents	Census1891
Jane Mason Adam Ferguson (407)	children with parents	Census1891
Mary Duncan Adam (403)	Head M & wife children	Census1891
Mary Ferguson (408)	children with parents	Census1891
Robert Adam (Bertie) Ferguson (409)	children with parents	Census1891
Alexander Ferguson (406)	children with parents	Census1901
Jane Mason Adam Ferguson (407)	children with parents	Census1901
Mary Duncan Adam (403)	Head M & wife children	Census1901
Mary Ferguson (408)	children with parents	Census1901
Robert Adam (Bertie) Ferguson (409)	children with parents	Census1901
Alexander Ferguson (406)	children with parents	Census1911
Mary Duncan Adam (403)	Head M & wife children	Census1911
Mary Ferguson (408)	children with parents	Census1911
Robert Adam (Bertie) Ferguson (409)	children with parents	Census1911
Alexander Ferguson (406)	Informant	Death
Mary Duncan Adam (403)	Bride	Marriage



## 20. Add a Person in TMG

The TMG screen for adding a person can be made to be very complex, depending on whether you've used this little button to tailor it:

Have you??

Screenshot of the TMG "Add Person" dialog box. The "Type" column lists various fields, and the "Value" column shows their current settings. A red arrow points from the text "Have you??" to the "Setup" button at the bottom left of the dialog.

Type	Field	Value
	LIVING	?
	BTH_CERT	N
	DTH_CERT	N
	MARRCERT	N
	S-Site exclude	N
Name-Var	Date	
	Title	
	Prefix	
	GivenName	
	Surname	Ferguson
	Suffix	
Birth	Role	Child
	Date	
	Sort date	
	Addressee	

No citations

Setup OK Cancel Help

# Poll #2

**Have you used the TMG Add Person ‘Setup’ function?**

**(if you didn’t know it existed, answer ‘No’!)**

**Results were split 50% each way (Yes/No)**



## 21. Add a Person in HRE

So far, our draft screen may look a bit familiar, but we need to add more to it, and make it smaller (its too long already)!

**⌚ Add a Parent of Brendan Paul Ferguson (1)**

**Birth Sex:** Male **Flags:**

Flag	Value
Flags (as selected by the user) to appear here for editing when adding a Person.	

**Name:**

Item	Value
Prefix	
Forenames	
PreSurname	
Surname	
Suffix	

**Citation:**

**Birth:**

Item	Value
Role	
Date	
Detail	
Suburb	
City	
County	
Country	

**Citation:**

# Poll #3

## What did you use the TMG Add Person 'Setup' function for?

(as a reminder, the basic TMG Add Person screen only offers Name-Var, Birth and Death tags plus Marriage if you're entering a spouse)

Adding Flags	(16/37) 43%
Adding a Role to a tag	(11/37) 30%
Adding Baptism or Christening tag	(22/37) 59%
Adding a Burial tag	(23/37) 62%
Adding more than 3 tags	(18/37) 49%



## 22. A look at HRE in action

- I'll now switch over to a real HRE system running against my own project (extracted from TMG) in order to explain some of these screens
- This will also give you an opportunity to give some feedback on what you like and don't like on any aspect of what we've done – just put a comment into Chat for us to review later
- We'll try to quickly answer questions today, but for all questions lodged with RUG we'll send in the full answers for distribution after this event.

# Q & A



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