

TIS: Trainee Information System

Content: The process and design standards we have tried to follow, challenges we faced

Features: People, Search & Filters

What is TIS, and who is it for?

Description

A web application for Health Education England (HEE) and all the people it serves. It is system that at its heart helps HEE to manage trainee's progression through their training programs. Designed to be an intuitive, effective and efficient way of managing education and training within HEE.

Users

Trainee Administrators
Trainee Doctors

User vision of the system

The system will replace many systems in HEE and will aim to create a single learner record. Where there is duplication with stakeholders then well specified data exchange processes should ensure a good degree of alignment. The system must aim eliminate the need to re-key data by having reliable data exchange processes and data validation processes. The system will seek to support processes and the way users work and this will be done by changing the way we develop systems by constantly involving the user community. The system will aim improve reporting alongside a simplified dataset which users understands. The users will help design how the system looks, feels and works so that routine tasks are easier. In addition, the system will seek to automate many routine tasks and introduce workflows to help users plan and order their work.

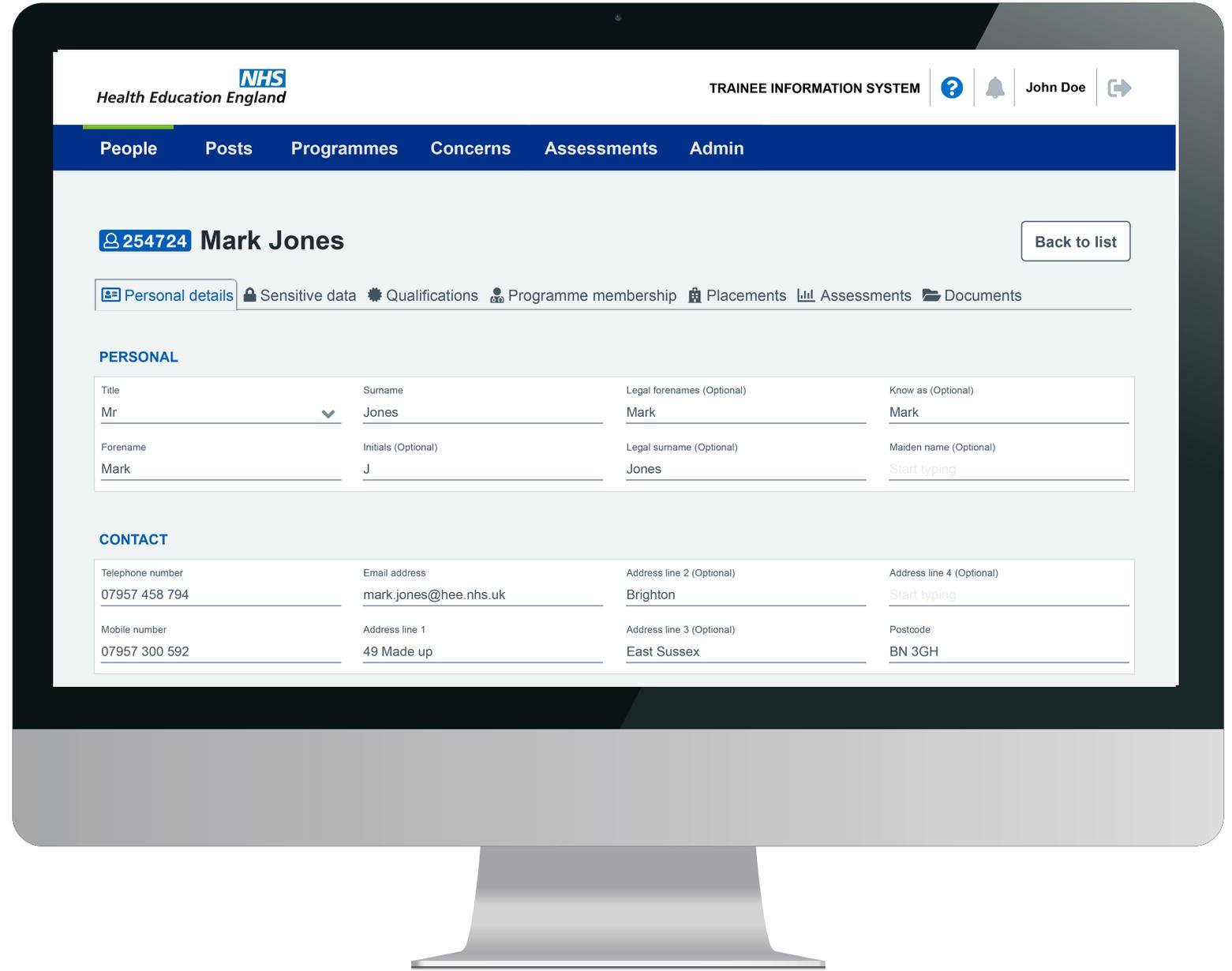
What was there before TIS?

Legacy system: Intrepid

There was a certain amount of legacy to consider when we began creating TIS. This shaped some of the features and the way the data was brought into TIS. But it was our job to make the whole process and usability better than it's predecessor. Running discovery workshops, the team were able to establish value and priority for hitting an MVP and continuing to run usability workshops allows to continue enhancing these features.



What does TIS look like now...



Searching for people...

How to find what you need...

Previously the UI provided all data columns in the table lists with filtering applied to each individual column, We found this to be a slow process and after speaking with users created a solution that allows the user to select what data they wish to see in the table list, as well as filtering these results outside of the list and having the ability to save these searches that are performed most frequently.



TRAINEE INFORMATION SYSTEM

?
🔔
John Doe
➔

People
Posts
Programmes
Concerns
Assessments
Admin

👥

People

Add person

🔍

Showing 1- 25

⌵ Choose a filter ⌵

Next page

10 per page ⌵

People results

⚙️ Choose your data ⌵

View	TIS Id	Forename	Surname	Owner	Status	GMC	Programme	Grade	Roles
👁️	1	JOE	BLOGGS	HEE North West	CURRENT	06BD3R	NWN Paediatrics	Specialty Training Year 7	DR in Training
👁️	2	MARY	GIFT	HEE North West	PAST	08BD54	NWN Paediatrics	Specialty Training Year 7	DR in Training
👁️	3	CHRIS	PETES	HEE Yorkshire	CURRENT	08BD5R	Foundation Programme KSS	Specialty Training Year 3	DR in Training
👁️	4	JUNTA	SINGHAS	HEE North West	CURRENT	09DG33	NWN Paediatrics	Specialty Training Year 7	DR in Training
👁️	5	ANTJE	LITZA	HEE North West	CURRENT	06BDR5	NWN Paediatrics	Specialty Training Year 2	DR in Training
👁️	6	SETH	KEYZISOKI	HEE LONDON	PAST	06BD3R	NWN Paediatrics	Specialty Training Year 7	DR in Training

Filtering in people...

Save your filters...

A key piece of feedback from the workshops was to understand how often users were filtering certain criteria. With the filter enhancement we created this allowed the users to save their most frequent searches/filters so they only had to apply this once. This was also a big improvement for users and their process.



People

Add person

Q

Showing 1-25

✕ Cancel
?

Filter name

London filter

Y Choose filters ▼

Y Owner

HEE London North West ✕

✕

Y Grade

Start typing...

✕

Y Status

CURRENT

INACTIVE

✕

Apply and save filter

Apply

People results

⚙️ Choose your data ▼

View	TIS Id	Forename	Surname	Owner	Status	GMC	Grade
	9	TINA	LOBGER	HEE North West	CURRENT	06BD3R	Specialist Training Year 1

Quick view in people...

No editing, just a quick
glance...

Many of the users had to access the edit mode of a persons record to find even the basic level of information. We added a quick view card for the users to glance at for the most valuable/commonly searched information on a person

The screenshot shows a 'People' management interface. At the top, there's a search bar with 'Ada' and a filter dropdown. A table lists people with columns for 'View', 'TIS Id', and 'Forename'. The first row, 'JOE', is highlighted. A quick view card for 'Joe Bloggs' (ID 254724) is overlaid on the table. The card displays contact details (Telephone, Mobile, Email work, Email home) and programme membership information (Programme number, Programme Name, Placement, Site Name, Status, Primary Speciality, Start date, End date). The background interface includes an 'Add person' button, 'Showing 1-25', '10 per page', and 'Choose your data' dropdown.

People

Search: Ada

Choose a filter

People results

View	TIS Id	Forename
	1	JOE
	2	MARY
	3	CHRIS
	4	JUNTA
	5	ANTJE
	6	SETH
	7	TELL
	8	THOMASKI
	9	TINA

254724 Joe Bloggs Edit record

Contact details

Telephone 405-982-9842 **Email (work)** Joe.Bloggs@hee.nhs.uk

Mobile 405-982-9840 **Email (home)** J.B@schulist.io

Programme membership

Programme number 207352 **Start date** 02/11/16

Programme Name 207350 **End date** 09/12/18

Placement

Site Name Bottisham Practice **Start date** 02/11/16

Status CURRENT **End date** 09/12/18

Primary Speciality Paediatrics

Showing 1-25

10 per page

Choose your data



Managing people...

How to find what you need...

One of the key things we found using the legacy system was that searching through a persons record could be quite a frustration. So we decided to keep the separate details in separate containers, breaking up the content, and also by changing the format of the L3 navigation from a dropdown to a tabular, the users are easily able to navigate between the records in that person.

254724 Mark Jones

Back to list

Personal details Sensitive data Qualifications Programme membership Placements Assessments Documents

PERSONAL

Title Mr	Surname Jones	Legal forenames (Optional) Mark	Know as (Optional) Mark
Forename Mark	Initials (Optional) J	Legal surname (Optional) Jones	Maiden name (Optional) Start typing

CONTACT

Telephone number 07957 458 794	Email address mark.jones@hee.nhs.uk	Address line 2 (Optional) Brighton	Address line 4 (Optional) Start typing
Mobile number 07957 300 592	Address line 1 49 Made up	Address line 3 (Optional) East Sussex	Postcode BN 3GH

GMC/GDC DETAILS

GMC (One number is required) 2037356354	GMC end date 08/03/17	GDC start date 03/02/18	PH (One number is required) 46-73736325
GMC status Current	GDC (One number is required) 6252412728	GDC end date 18/12/18	College London City
GMC start date 18/02/18	GDC status Current		

Accessibility for all...

Bringing TIS inline to standards...

On hitting MVP I spent a large amount of time going back through the system and testing/aligning the features and functionality to meet accessibility and NHS design standards.

Browser issues

At the moment we are focusing on having TIS full functional with all browsers. TIS is designed for Chrome at present 90% of users are using Chrome, this is something we aim to change following accessibility needs.

NHS Health Education England

TRAINEE INFORMATION SYSTEM | ? | | John Doe |

People | Posts | Programmes | Concerns | Assessments | Admin

People Add person

Showing 1- 25

Choose a filter Next page 10 per page

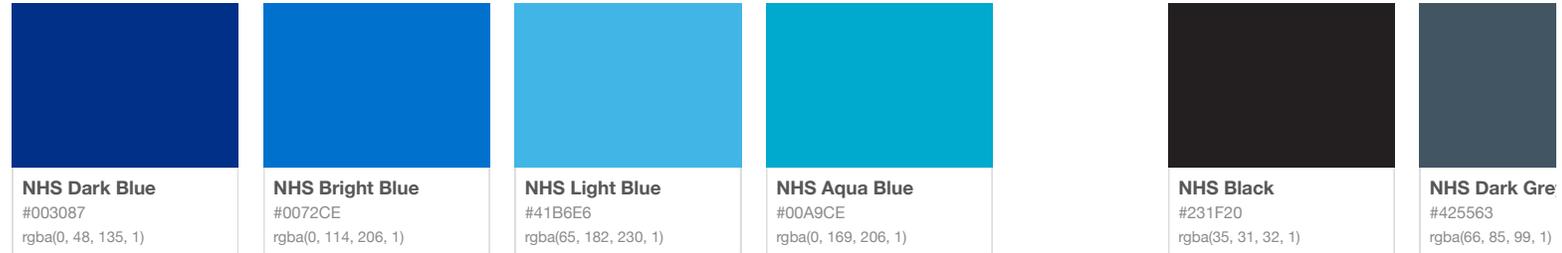
People results Choose your data

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	7	TELL	KISS	HEE North West	PAST	06BD3R	NWN Paediatrics	Specialty Training Year 7	DR in Training

Grids, patterns and guidelines...

TIS is now aligned to the NHS palette and GDS/NHSDS on 'most' of the features...

We are in the process of aligning TIS to the standards set by both the NHS and GDS. This has its own challenges as we have a lot of bespoke functionality. But with the right approach and hopefully, the ability to work across HEE and the NHS this is something we will continue to improve...



Person record - Personal details UI - Error state on Admin forms

4 columns at 1200

Desktop Grid 50/24/5

This is an example of an error and error message in the Admin UI forms. The rules are based on the Long Form rules set by Steve and the Form R-b document.



NHS Health Education England TRAINEE INFORMATION SYSTEM | James Harrison

People | Post | Programmes | Reference | Revalidation

<< Back to search results

Valerie Adams - GMC 5235797

Save

Contact details has a field error #e10613 Error red

PERSONAL

Title Mr	Surname Doe	Initials (Optional) L	Legal surname (Optional)
Forenames John	Know as Johnny D	Legal forenames (Optional)	Maiden name (Optional)

Moving forward...

UX process, UI templates, stylesheets, patterns and libraries for HEE and NHS teams

I am currently working on a TIS library. As we are using common digital assets and libraries like Font-awesome for icons, Sketch-App and InVision for prototyping. Bootstrap and Angular libraries for certain components and features in the system itself, we aim to have a re-usable, scalable system that we hope will inspire or at least help other teams faced with creating or enhancing their digital solutions not just across HEE, but hopefully the NHS.

