

The screenshot shows a web browser window displaying the NHS Trainee Information System (TIS) interface. The browser's address bar shows the URL 'nhs.uk'. The page header includes the NHS logo and 'Health Education England'. The main navigation bar contains links for 'People', 'Posts', 'Programmes', 'Revalidation', 'Assessments', and 'Admin'. The user 'Matt Leach' is logged in. The profile of 'Nardeen Khalil' (ID: 256053) is displayed, with tabs for 'Personal details', 'Sensitive data', 'Qualifications', 'Programme membership', 'Placements', and 'Assessments'. The 'PERSONAL' section includes fields for Title (Dr), Forename (Nardeen), Legal forenames, Surname (Khalil), Legal surname, Initials, Known as, and Maiden name. The 'CONTACT' section includes fields for Telephone number, Mobile number, Email address, Address line 1 (Flat 5, Nurburg), Address line 2, Address line 3 (Isleworth), Address line 4, and Postcode. The 'GMC/GDC DETAILS' section includes a field for PH. The browser's status bar shows the date and time as 'Wed Dec 21 10:19 AM'.

PERSONAL

Title	Legal forenames	Surname	Known as
Dr	Start typing	Khalil	Start typing
Forename	Initials	Legal surname	Maiden name
Nardeen	Start typing	Start typing	Start typing

CONTACT

Telephone number	Email address	Address line 2	Address line 4
			Start typing
Mobile number	Address line 1	Address line 3	Postcode
Start typing	Flat 5, Nurburg	Isleworth	

GMC/GDC DETAILS

GMC start date	PH
	Start typing

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...

The image shows a computer monitor displaying the Trainee Information System (TIS) interface. The interface is for a user named Mark Jones, identified by ID 254724. The top navigation bar includes the NHS logo, the text 'Health Education England', and the title 'TRAINEE INFORMATION SYSTEM'. On the right of the header, there are links for help, notifications, the user's name 'John Doe', and a logout icon. Below the header is a dark blue navigation menu with tabs for 'People', 'Posts', 'Programmes', 'Concerns', 'Assessments', and 'Admin'. The main content area shows the profile of Mark Jones with a 'Back to list' button. A horizontal menu below the profile includes 'Personal details' (active), 'Sensitive data', 'Qualifications', 'Programme membership', 'Placements', 'Assessments', and 'Documents'. The 'PERSONAL' section contains a form with fields for Title (Mr), Surname (Jones), Legal forenames (Mark), Know as (Mark), Forename (Mark), Initials (J), Legal surname (Jones), and Maiden name (Start typing). The 'CONTACT' section contains a form with fields for Telephone number (07957 458 794), Email address (mark.jones@hee.nhs.uk), Address line 2 (Brighton), Address line 4 (Start typing), Mobile number (07957 300 592), Address line 1 (49 Made up), Address line 3 (East Sussex), and Postcode (BN 3GH).

NHS
Health Education England

TRAINEE INFORMATION SYSTEM

John Doe

People Posts Programmes Concerns Assessments Admin

254724 Mark Jones [Back to list](#)

[Personal details](#) [Sensitive data](#) [Qualifications](#) [Programme membership](#) [Placements](#) [Assessments](#) [Documents](#)

PERSONAL

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

CONTACT

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

Old TIS, New TIS...

What we improved...

- Search & Filters/usability
- Managing people
- Navigation/user journeys
- Table lists for data/interactions
- Information layout
- Accessibility

Health Education England

TRAINEE INFORMATION

People

Posts

Programmes

Assessments

Person search

Type your search term and press Enter

CURRENT

Health Education England Kent, Surrey and Sussex

Health Education England North West London

Health Education England North Central and East London

Health Education England South London

Remove all filters

ID	Forename	Surname	GMC	GDC	PH	Programme	Training	Placement grade	Placement specialty	Site	Placement type	Role
250071	Ashley Test Assessment Eight	Ransoo		055856	8101608	KSSDFT Dental Foundation Training East KSS						Dr in Training, Educational Supervisor
250071	Ashley Test Assessment Eight	Ransoo		055856	8101608	Test/1234 A Test Programme						Dr in Training, Educational Supervisor
250069	Ashley Test Assessment Ten	Ransoo	UNKNOWN									Dr in Training
250068	Ashley Test Assessment Ten	Ransoo	UNKNOWN			KSSDFT Dental Foundation Training East KSS						Dr in Training, Academic Tutor, AccreditationPathway.Administrator
250068	Ashley Test Assessment Ten	Ransoo	UNKNOWN			Test/1234 A Test Programme						Dr in Training, Academic Tutor, AccreditationPathway.Administrator
250067	Ashley Test Assessment Eight	Ransoo			8200608	KSSDFT Dental Foundation Training East KSS						Dr in Training, AccreditationPathway.Administrator.HelpFunctions
250066	Ashley Test Assessment Nine	Ransoo		8200609		KSSDFT Dental Foundation Training East KSS						Dr in Training
250064	Ashley Test Assessment One	Ransoo	8200600			KSSDFT Dental Foundation Training East KSS						Dr in Training
250063	Ashley Test Assessment Six	Ransoo	8200606			KSSDFT Dental Foundation Training East KSS						Dr in Training
250062	Ashley Test Assessment Three	Ransoo	8200603			KSSDFT Dental Foundation Training East KSS						Dr in Training
250061	Ashley Test Assessment Seven	Ransoo	8200607			KSSDFT Dental Foundation Training East KSS						Dr in Training
250060	Ashley Test Assessment Two	Ransoo	8200601			KSSDFT Dental Foundation Training East KSS						Dr in Training
250059	Ashley Test Assessment Five	Ransoo	8200605			KSSDFT Dental Foundation Training East KSS						Dr in Training
250058	Ashley Test Assessment Eight	Ransoo			8100608	KSSDFT Dental Foundation Training East KSS						Dr in Training
250057	Ashley Test Assessment Nine	Ransoo		8100609		KSSDFT Dental Foundation Training East KSS						Dr in Training
250056	Ashley Test Assessment Two	Ransoo	8100601			KSSDFT Dental Foundation Training East KSS						Dr in Training
250055	Ashley Test Assessment Five	Ransoo	8100605			KSSDFT Dental Foundation Training East KSS						Dr in Training

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.

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TRAINEE INFORMATION SYSTEM

?

John Doe

People

Posts

Programmes

Concerns

Assessments

Admin

People

Add person

Ada

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

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

 Ada


Showing 1- 25


✕ Cancel

?


Filter name

London filter


 Choose filters ▼

 Owner

HEE London North West ✕

 Grade

Start typing... ✕

 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 displays the NHS People interface. At the top, there's a 'People' header with a search bar containing 'Ada'. A blue 'Add person' button is in the top right. Below the search bar, a 'Choose a filter' dropdown is visible. The main area shows 'People results' with a table of people. The first row, 'JOE', is highlighted. A quick view card for 'Joe Bloggs' (ID 254724) is overlaid on the right. This card shows contact details (Telephone, Mobile, Email work, Email home) and programme membership (Programme number, Programme Name, Placement, Site Name, Status, Primary Specialty, Start date, End date). The card has an 'Edit record' link and a close button. The background table shows a list of people with columns for View, TIS Id, Forename, and other details.

People

Search: Ada

Showing 1 - 25

10 per page

Choose your data

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

Joe Bloggs (254724) [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 Specialty Paediatrics

👤 254724

Mark Jones

Back to list

👤 Personal details

🔒 Sensitive data

⚙️ Qualifications

👥 Programme membership

🏠 Placements

📊 Assessments

📁 Documents

PERSONAL

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

CONTACT

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

GMC/GDC DETAILS

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

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TRAINEE INFORMATION SYSTEM

?

John Doe

PeoplePostsProgrammesConcernsAssessmentsAdmin

People

Add person

Q Ada

Showing 1- 25

Choose a filter

Next page10 per page

People results






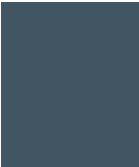
Choose your data

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
	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...

 NHS Dark Blue #003087 rgba(0, 48, 135, 1)	 NHS Bright Blue #0072CE rgba(0, 114, 206, 1)	 NHS Light Blue #41B6E6 rgba(65, 182, 230, 1)	 NHS Aqua Blue #00A9CE rgba(0, 169, 206, 1)	 NHS Black #231F20 rgba(35, 31, 32, 1)	 NHS Dark Grey #425563 rgba(66, 85, 99, 1)
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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.



Phone Number
07265594268

9px
16px


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

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.

