# Education skills and funding agency Submit learner data

User research and service design by Elizabeth Hitchins

#### How did it all start?

The Data collections service enables public funds to be distributed for further education via publicly funded colleges, training organizations, local authorities and employers.

The collection and submission of learner data was an extreme burden for further education providers.

The service needed to be more agile to meet user needs and costs needed to be reduced. The trust in the Education and Skills Funding Agency was very low.

## My role and the team

#### The team

I was the lead researcher and service designer in a blended team consisting of a:

- Delivery manager
- Business analyst
- Technical architect
- Service owner
- Product owner
- Content designer
- Interaction designer

## Ways of working

The team ran the project in an agile way over 16 months, in two weeks sprints. During these sprints the team conducted sprint planning, sprint reviews, show and tells and retrospectives.

The team used various planning software during this time, mostly linked to the dev/qa team for ease.

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## The users

### Learners and providers

**Learners** are individuals undertaking a training/education/apprenticeship program with their chosen provider.

A **provider** is an organisation who wants to deliver further and higher education skills and vocational training funded by the Education and Skills Funding Agency.

The providers used the data collections service to submit their learner data and receive funding, these were our main user groups.

#### **Personas**



**Admin Adil** 

Adil is 18. He has just finished his apprenticeship in Business Administration and this is his first role.

He has **low-moderate** sector knowledge but is 8 on the digital scale.

He wants to move into the Data science team so is eager to get involved.



#### **Data Debbie**

Debbie is 37 and has been working with data submission for 9 years. She has high sector knowledge and 9 on the digital scale.

She was recently promoted to manage the growing team when the provider started working with Apprenticeships.



**Financial Frida** 

Frida is 56. She has been managing the financial projections for an FE college for 2 years.

She is involved in the bid for funding each time the contract is renewed with the ESFA.

She has task specific sector knowledge and is 7 on the digital scale.



Norbert is 47. He has been an NVQ assessor for 15 years but decided to take on a new challenge.

He is part of a new provider team facilitating data submission for their company's apprenticeship program. He is very confused and nervous about getting it wrong.

He has moderate sector knowledge and is a 7 on the digital scale.



Learner Lee

Lee is 16 & has started his Diploma at college. He failed his English GCSE so has to retake it while studying.

# The data collections team were getting all the complaints!

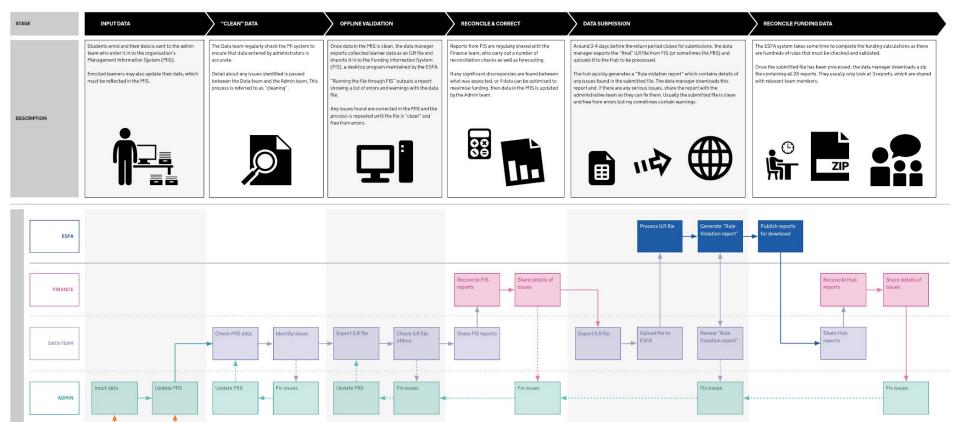
## Fix the pain

As the data collections service was the barrier to providers getting paid, that was the point where the data science department felt the most investment should be made. The business case was made around this service being the problem.

During the discovery and alpha phase it became clear that this service was merely a speck in a larger landscape, and not were the problems originated. It was where the problems were first felt.

## Service user needs

"As a provider, I need to tell the Education and Skills Funding Agency about my learners so I can claim funding for their education" "As a provider, I need to have visibility of my financial outlook from the Education and Skills Funding Agency so I can plan my business activities effectively"



LEARNER

## **Understanding the data**

The users were all very high on the digital scale but had different barriers to the service.

We determined that the following 3 factors most impacted how the users used the service as a whole:

- Knowledge what do they know? What information is available to them?
- Comprehension what do they actually understand or infer from the information they have read?
- Application how do they apply their understanding to their own learners in order to meet their obligations, be compliant and achieve their goals?

## Leveraging the skills within the ESFA

Most of the stakeholders for this service were data scientists and those involved in policy.

They understood this world, as they created it and we needed them to help us make sure the users did too.

## It got so big

That an entire service design team from Deloitte was eventually bought in to design the entire service due to the targets for the Apprenticeship service.

This kick started an entire programme of work and culture transformation within the data science department.

Sometimes the pain isn't where the problem surfaces.

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## Thank you.