

# dxw Interview Task: Jobs In Teaching

## The Requirement

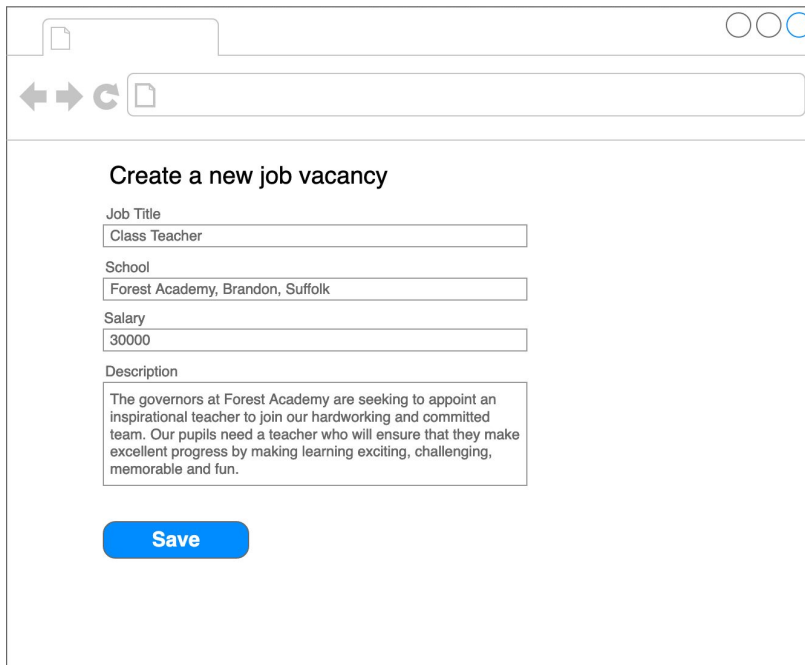
The Department for Education need to create a central service for advertising and applying for jobs in teaching. Your task is to do the first steps in developing this service. You should:

1. Create a web application in the framework of your choice. We normally work in Ruby on Rails, so we'd prefer your application to use that, but if you're unfamiliar with that you should feel free to use another technology, such as Django, Laravel, Express, etc.
2. Create an interface for managing vacancies. Users should be able to create new vacancies, see a list of vacancies, and view details of an individual vacancy. See below for details of these. Note that no access control or user management is needed at this stage of development.

## User Interface

Your team have created some user interface mockups of the main pages in the system:

### Creating a vacancy

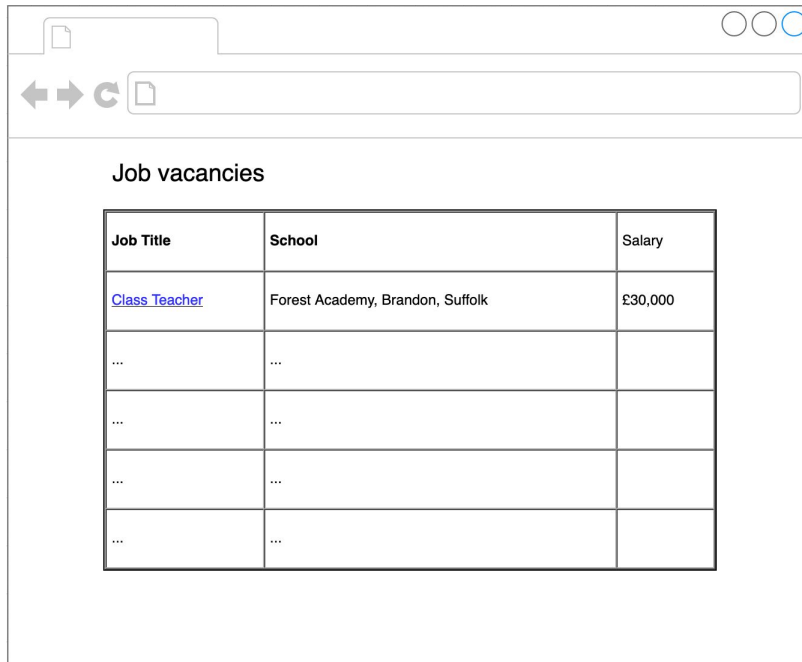


The mockup shows a web browser window with a single tab. The address bar contains navigation icons (back, forward, refresh, home) and a search icon. The main content area is titled 'Create a new job vacancy' and contains a form with the following fields:

- Job Title:** A text input field containing 'Class Teacher'.
- School:** A text input field containing 'Forest Academy, Brandon, Suffolk'.
- Salary:** A text input field containing '30000'.
- Description:** A text area containing the text: 'The governors at Forest Academy are seeking to appoint an inspirational teacher to join our hardworking and committed team. Our pupils need a teacher who will ensure that they make excellent progress by making learning exciting, challenging, memorable and fun.'

Below the form is a blue 'Save' button.

## Listing all vacancies

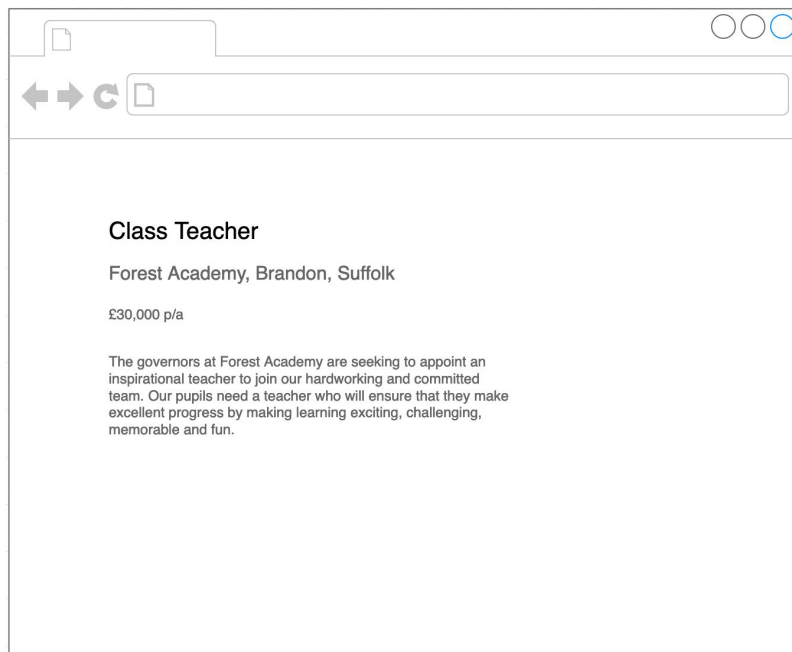


A web browser window with a single tab. The address bar contains navigation icons (back, forward, refresh, home) and a document icon. The page content is titled "Job vacancies" and features a table with three columns: "Job Title", "School", and "Salary". The first row shows a "Class Teacher" position at "Forest Academy, Brandon, Suffolk" with a salary of "£30,000". The following four rows are placeholders, each containing three dots in the "Job Title" column.

Job Title	School	Salary
<a href="#">Class Teacher</a>	Forest Academy, Brandon, Suffolk	£30,000
...	...	
...	...	
...	...	
...	...	

Each row should link to the details of the job, shown in the next mockup:

## Viewing an individual vacancy



A web browser window with a single tab. The address bar contains navigation icons (back, forward, refresh, home) and a document icon. The page content displays details for a "Class Teacher" position at "Forest Academy, Brandon, Suffolk" with a salary of "£30,000 p/a". Below this, a paragraph of text describes the role: "The governors at Forest Academy are seeking to appoint an inspirational teacher to join our hardworking and committed team. Our pupils need a teacher who will ensure that they make excellent progress by making learning exciting, challenging, memorable and fun."

**Class Teacher**

Forest Academy, Brandon, Suffolk

£30,000 p/a

The governors at Forest Academy are seeking to appoint an inspirational teacher to join our hardworking and committed team. Our pupils need a teacher who will ensure that they make excellent progress by making learning exciting, challenging, memorable and fun.

# Submitting your work

We would like you to submit your work in two ways:

1. A URL for your live running application. You can host your application for free using Heroku: <https://devcenter.heroku.com/start>
2. A git repository containing the application code. We suggest you either:
  - host this on GitHub as a **private** repository (they're free for personal accounts), and add [@dxw-rails-user](#) as a collaborator; or
  - send us a ZIP of your repo, ensuring you include the hidden git files

We imagine you will spend around 3 hours on this exercise. If you find you are spending more time than that, feel free to submit what you have at that point.

## Assessment

As well as checking that your work meets the brief, we will be assessing your submission on a number of other criteria:

- how you test your code
- how [clear and readable](#) your code is
- how you record what work you've done when [committing](#) to a git repository
- how you document your application to help new developers get it up and running

Your submission needs to demonstrate that you have given a satisfactory level of consideration to each of these criteria. If you vastly exceed the recommended 3 hours in order to produce a "perfect" submission, it is unlikely to make a huge difference in our assessment.

## Next Steps

If you're successful, your final interview will include a pairing exercise in which we will ask you to extend your application with some new features. Bear in mind that you will be coming back to this code!