

# Helping medical students rank foundation jobs using a web app

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## The task

Final year medical students need to rank up to 1000 sets of two-year rotations

Location

Department

Order



No intuitive approach offered



# The web app

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Written in python, uses streamlit interface

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Simple  
process:

Upload your jobs excel

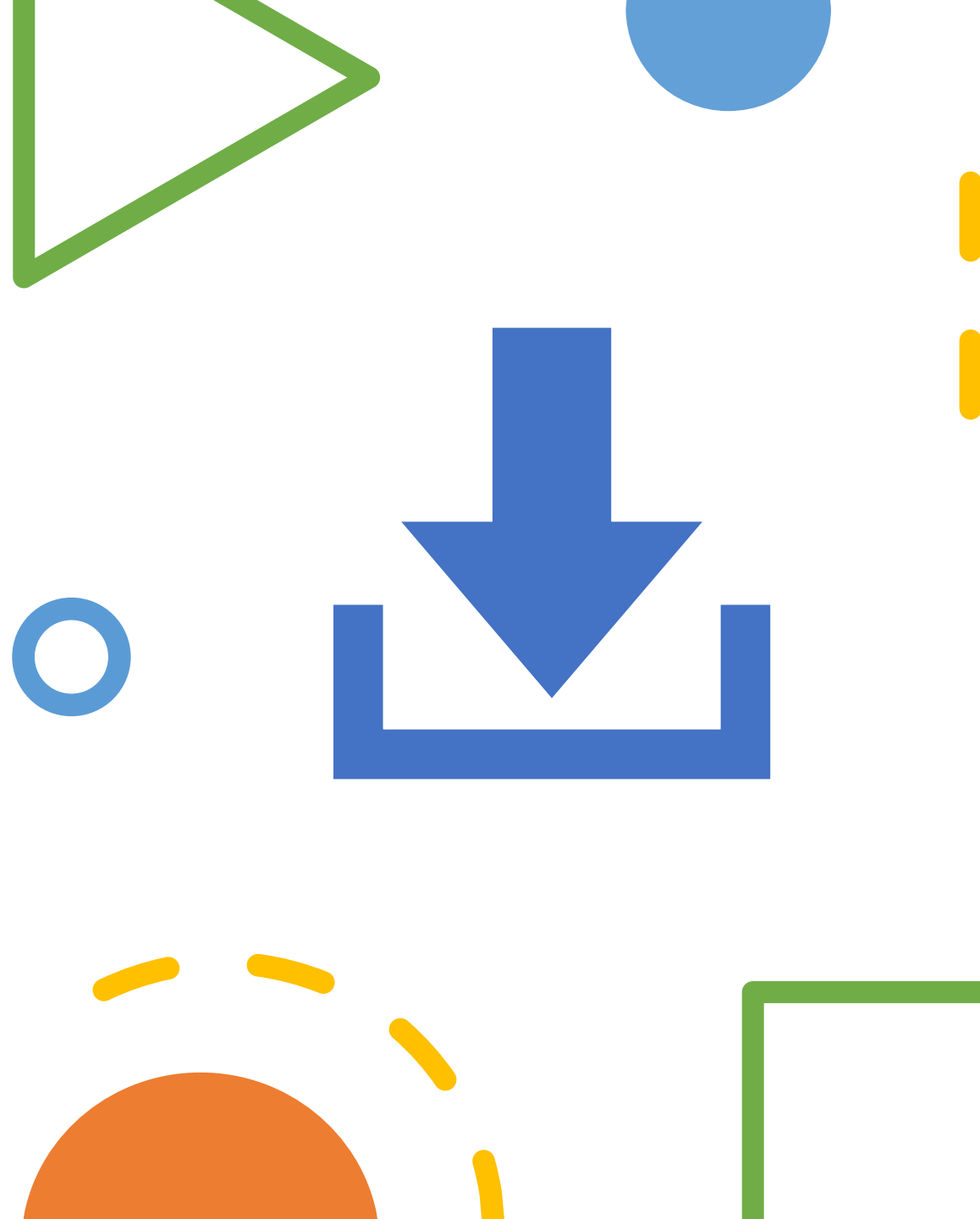
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Create custom ranking “rules” indicating preferences

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Download excel spreadsheet with jobs ranked

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# The web app (cont.)

- Rules are used to calculate scoring based on:
  - Hospital/Clinical block
  - Year specification
  - Positive/negative feeling and magnitude

How many rules would you like to have?

2 - +

Which of the following would you like to rank?

Hospital ▼

Would you like to specify a year?

F1 ▼

Pick a Hospital

The royal london hospital (r1h12) ▼

Pick the number of points to assign

Really like it (+3 points) ▼

Which of the following would you like to rank?

Clinical block ▼

Would you like to specify a year?

No Preference ▼

Pick a Clinical block

Medical oncology ▼

Pick the number of points to assign

Dislike it (-1 point) ▼

Click to show results

Click to download results as CSV

A large orange circle graphic on the left side of the slide, partially cut off by the edge.

# The dissemination

- Medical school
- Social media
- MindTheBleep



# The outcome



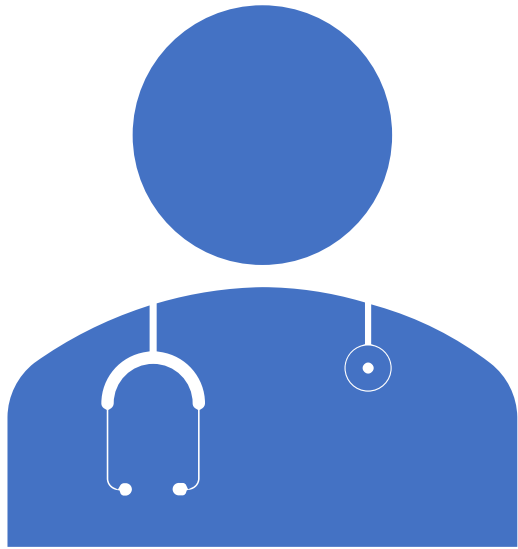
**Over 750 unique viewers**



“Thank you for creating such a useful foundation job ranker”

“I've been really impressed by your app”

“Just wanted to sincerely thank you for making the UK ranking link available to all of us. You don't understand how it helped me significantly, especially for us IMGs”



## Reflection on project

- Explore interesting ideas even if they initially appear unfeasible
- Using technology to improve productivity
  - High administrative burden(1)
- Medicine NEEDS people with other skills
- Empower students and junior doctors to create change

1. Royal College of Physicians. Being a Junior Doctor: Experiences from the front line of the NHS. 2016 Dec;  
<https://www.rcplondon.ac.uk/guidelines-policy/being-junior-doctor>





Thank you for listening!

Any questions?