Part IX

Discussion of the projects' results. Conclusions

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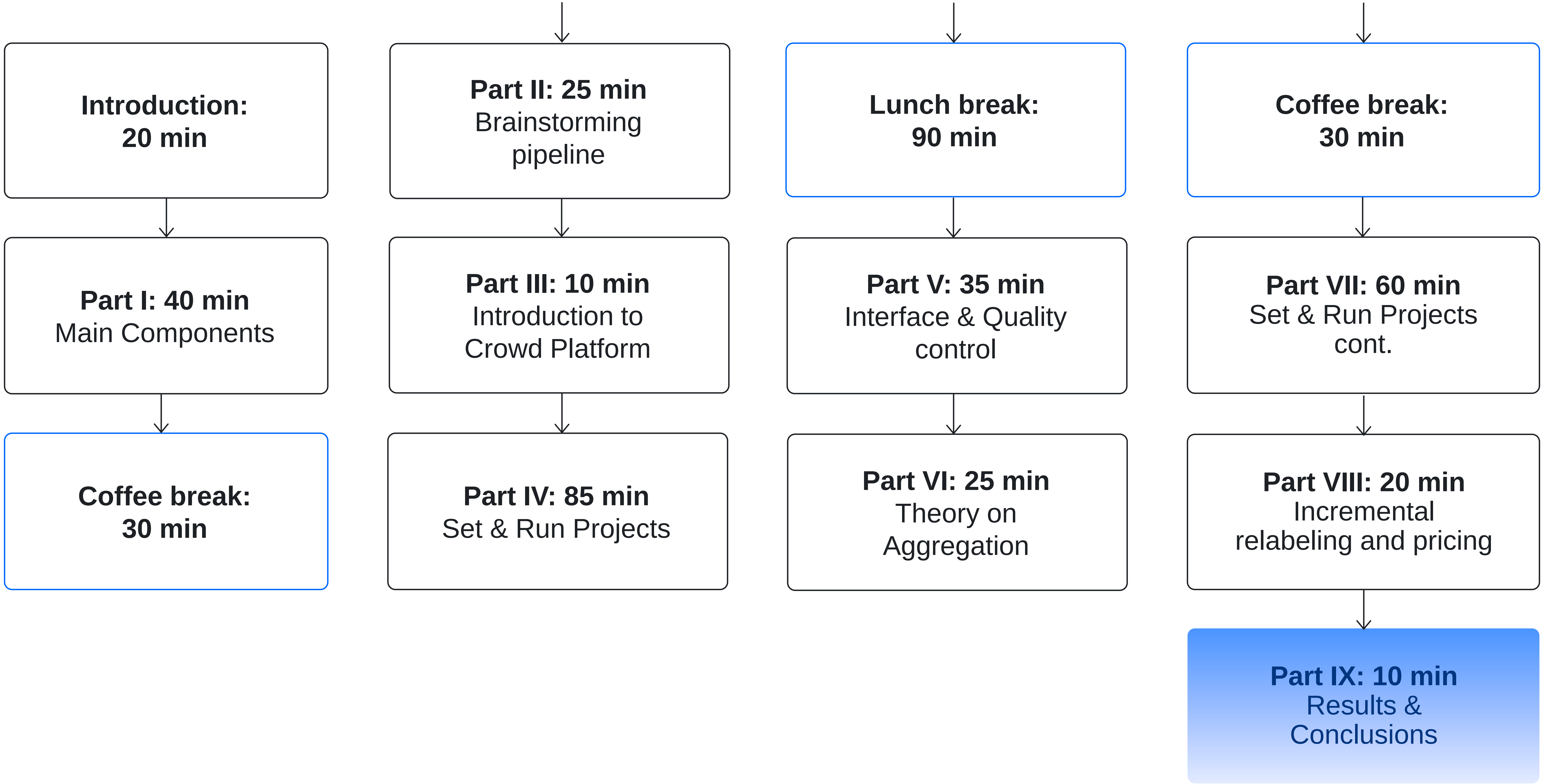
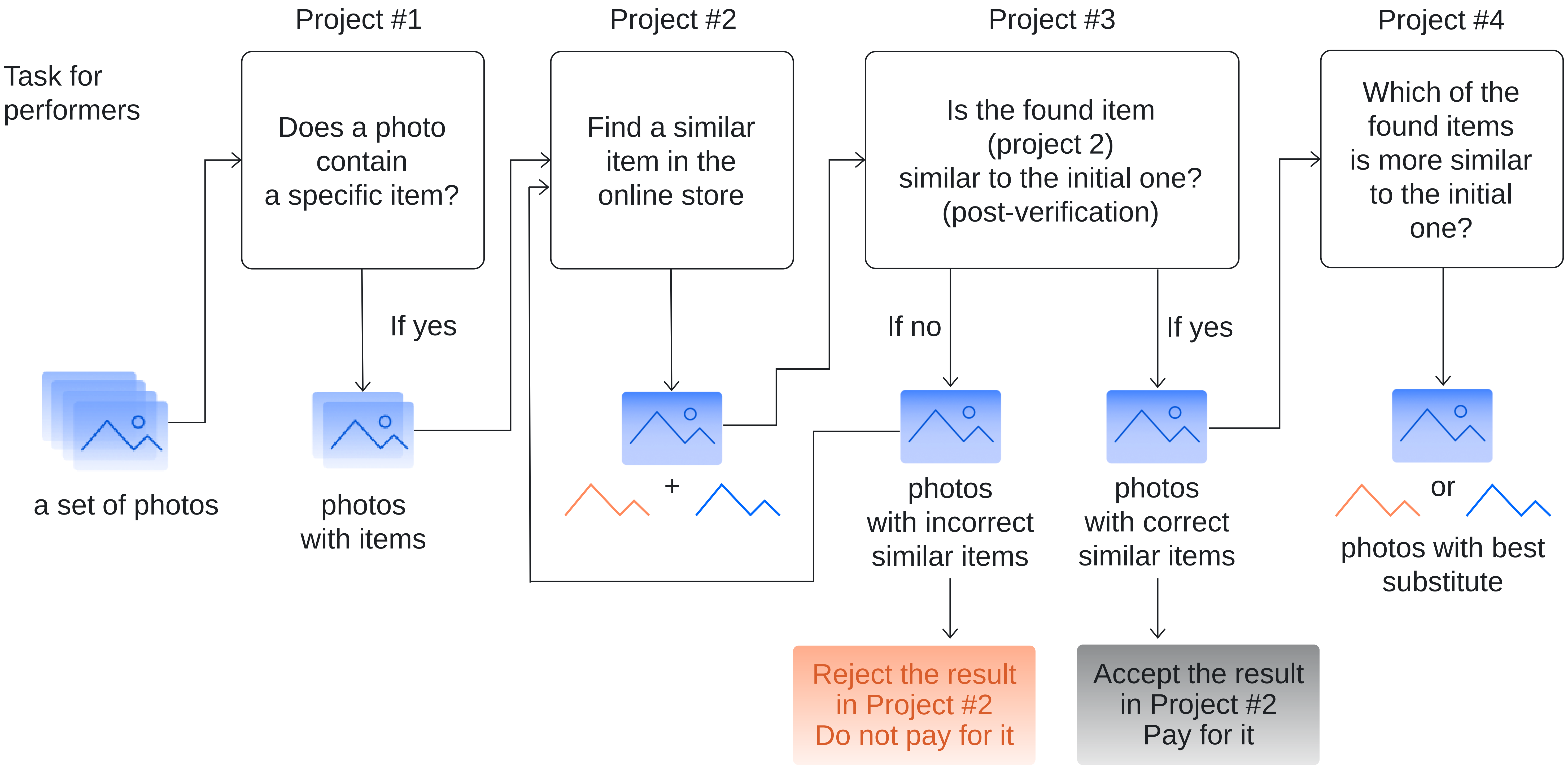
Tutorial schedule



Reminder: we implemented this pipeline



Project #1: Filter out photos without objects

Task

- Does a photo contain an item of desired type?

Our results

- Amount: 30 photos
- Overlap: 3
- Time: 5 min
- Cost: $0.09 + Toloka fee

Are there **shoes** in the picture?

○ Yes ○ No ○ Picture not found

Project #2: Searching for similar items on the online store

Task

- ► Find a similar item on the internet

Our results

- ► Amount: 25 photos
- ► Overlap: 3
- ► Time: 25 min
- ► Cost: $1.74 + Toloka fee

Find the same **shoes** on ASOS

ASOS

Shoes must be the same color and the same style.

Paste the link here

Upload the image here. The image should show the shoes you found.

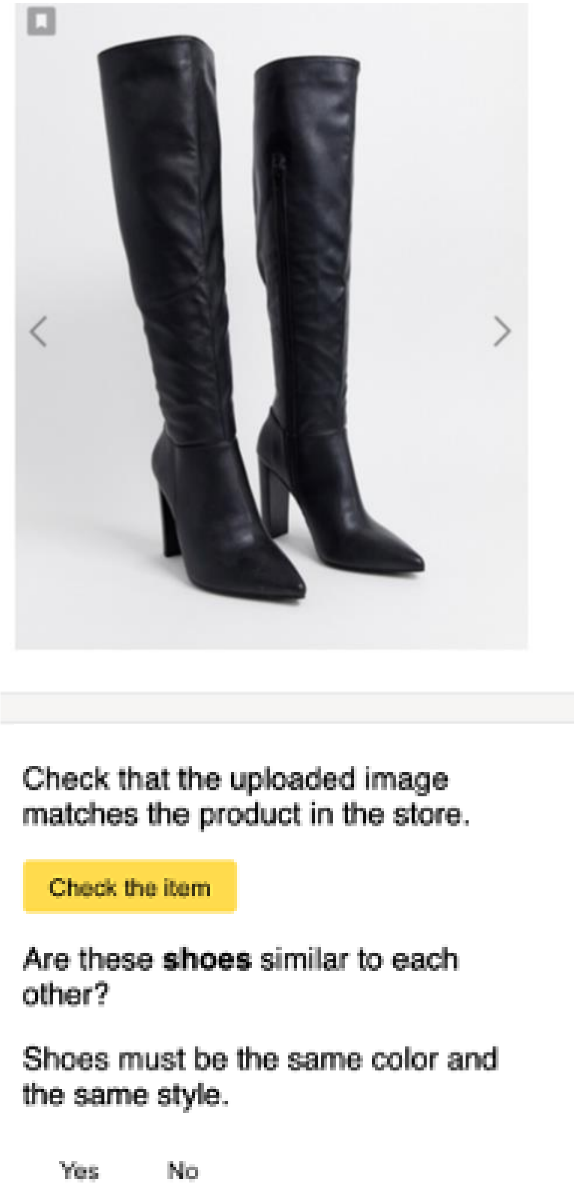
Project #3: Accept correctness of items found

Task

- Is the found item (project 2) similar to the initial one?

Our results

- Amount: 75 photos
- Overlap: 3
- Time: 3 min
- Cost: $0.20 + Toloka fee



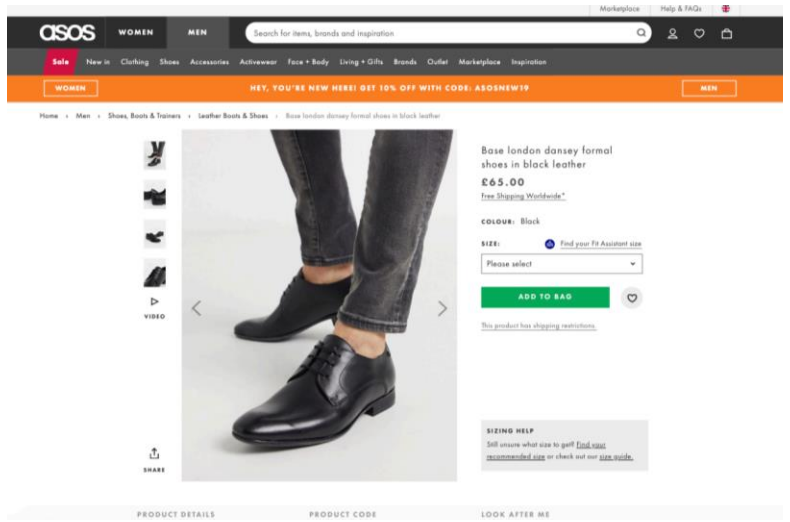
Project #4: Decide which substitute works best

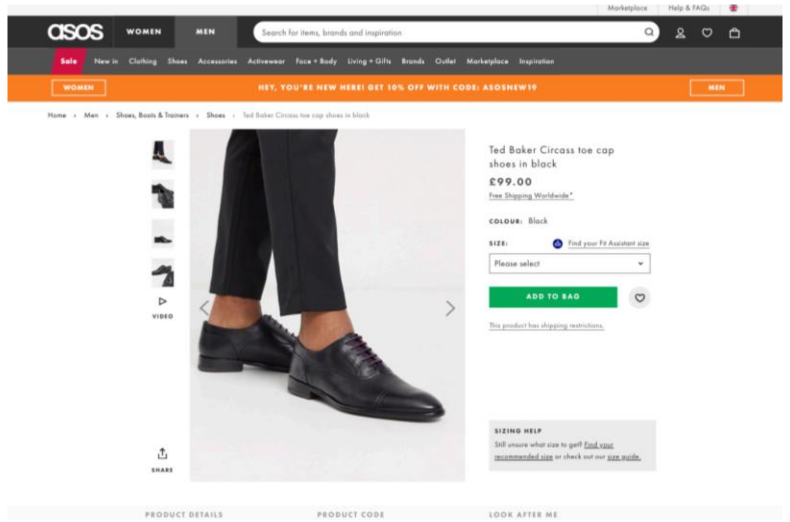
Task

- Which of the items is similar to the initial one?

Our results

- Amount: 62 photos
- Overlap: 3
- Time: 10 min
- Cost: $0.10 + Toloka fee





Statistics over the whole pipeline

- 30 photos processed to find the substitute items and evaluate their similarity
- Within 45 min on real performers
- Total cost: $2.15 + Toloka fee

Afterparty: upgrade your pipeline

To obtain more comprehensive data

- Use more item types at the same time

To reduce costs

- Use incremental relabeling aka Dynamic overlap

To improve quality

- Use dynamic pricing
- Add more Golden Sets and hints
- Experiment with aggregation methods
- Add training for performers

API of Toloka

Allows you to automate all steps of our pipeline

- Discover at: https://yandex.com/dev/toloka/

Crowdsource all types of data

Search Relevance

Moderation

Generation of content

Computer vision

Speech Technologies

References: Aggregation

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References: Incremental relabeling & Pricing

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