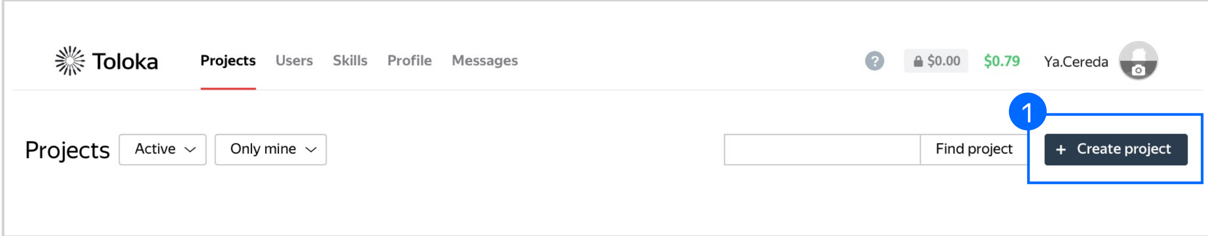
Toloka

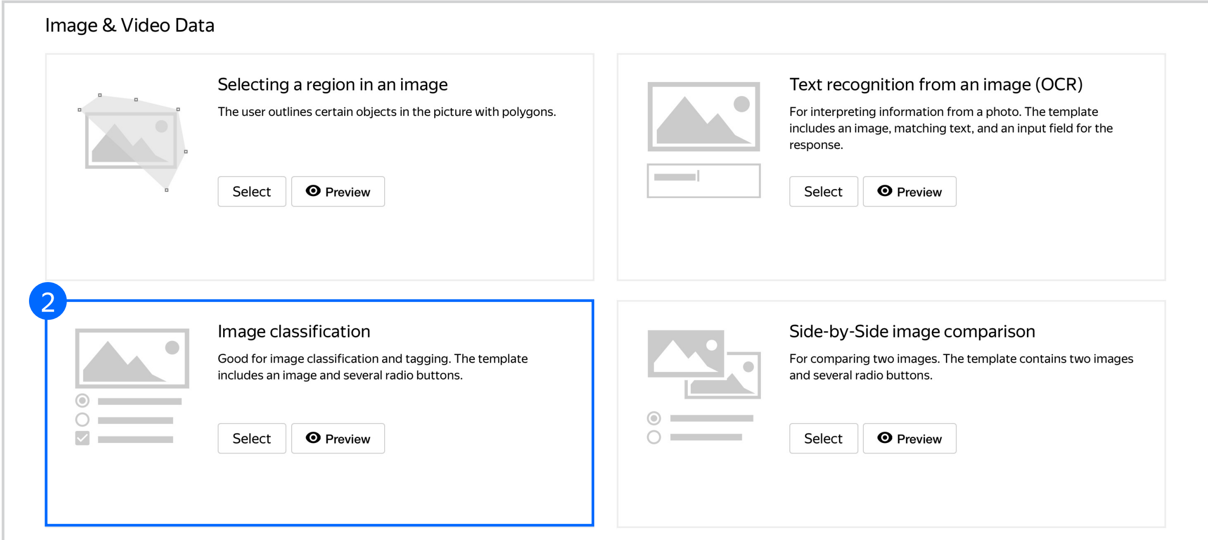
Binary image classification manual

Create a project

1. Click **Create project.**

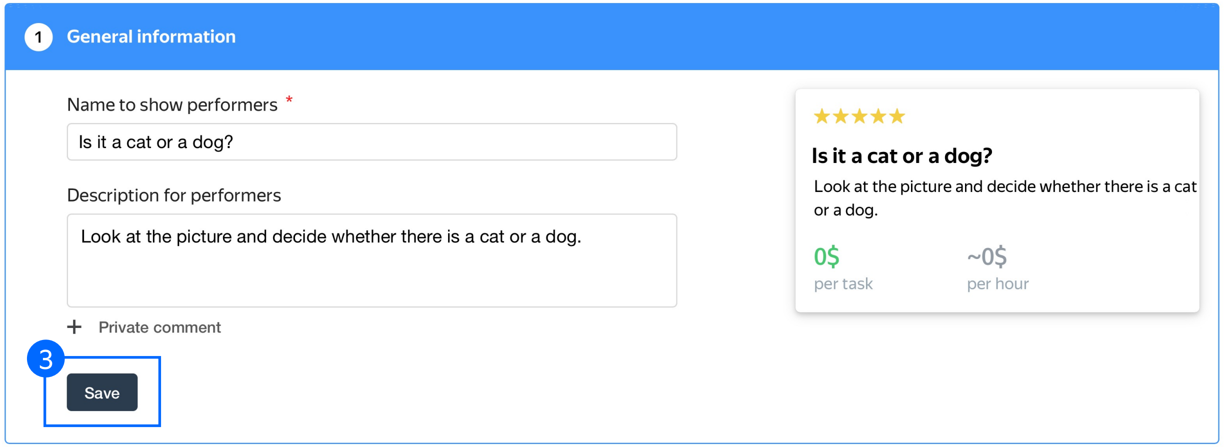


2. Choose the **Image classification** template.



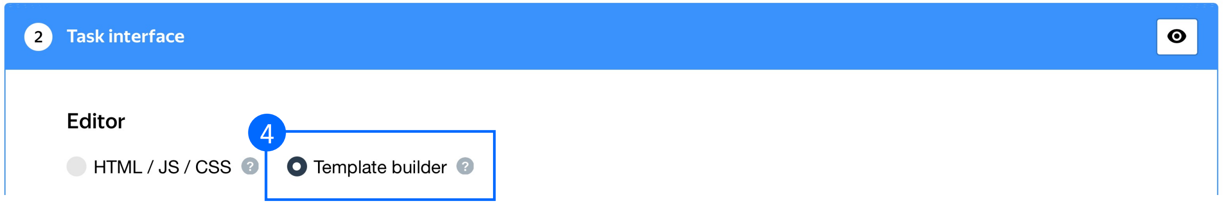
3. Enter a clear project name and description. Click **Save.**

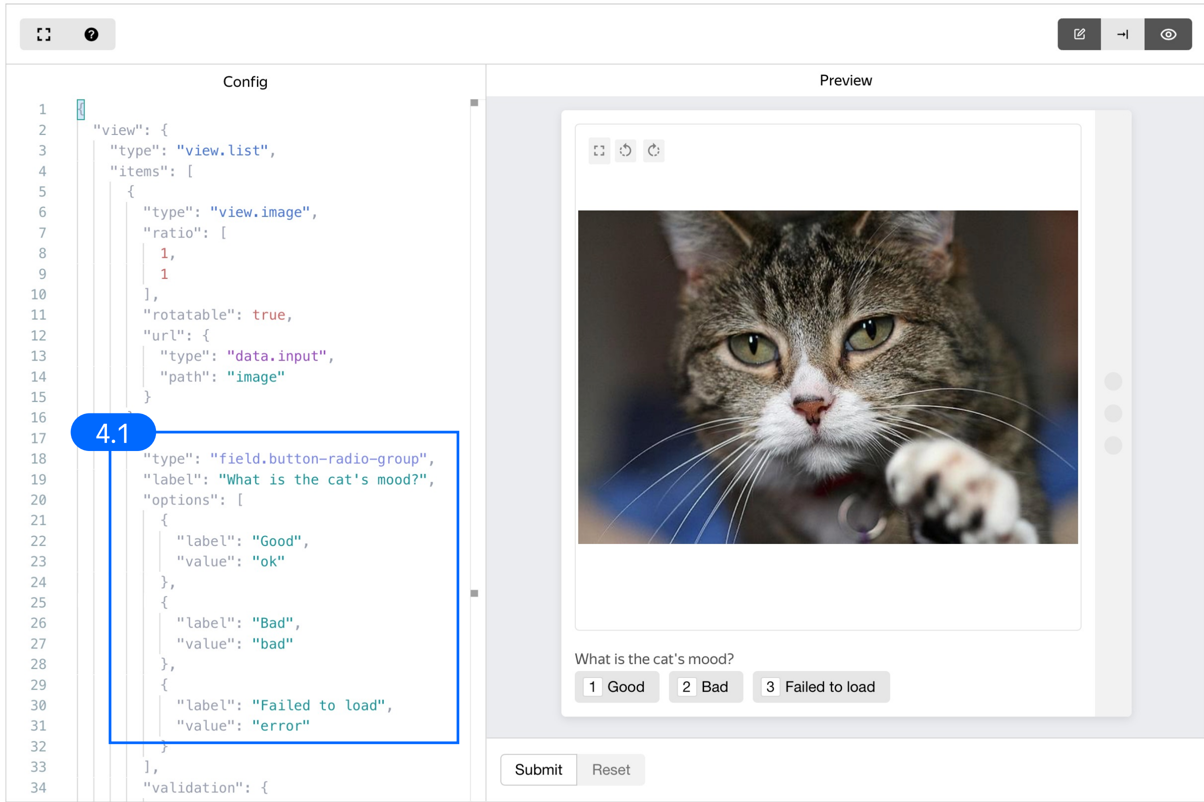
Note: The project name and description will be visible to the performers.



4. Update the task interface in the **Template Builder** block.

   Read more about the [Template Builder](#) in the Requester's Guide.

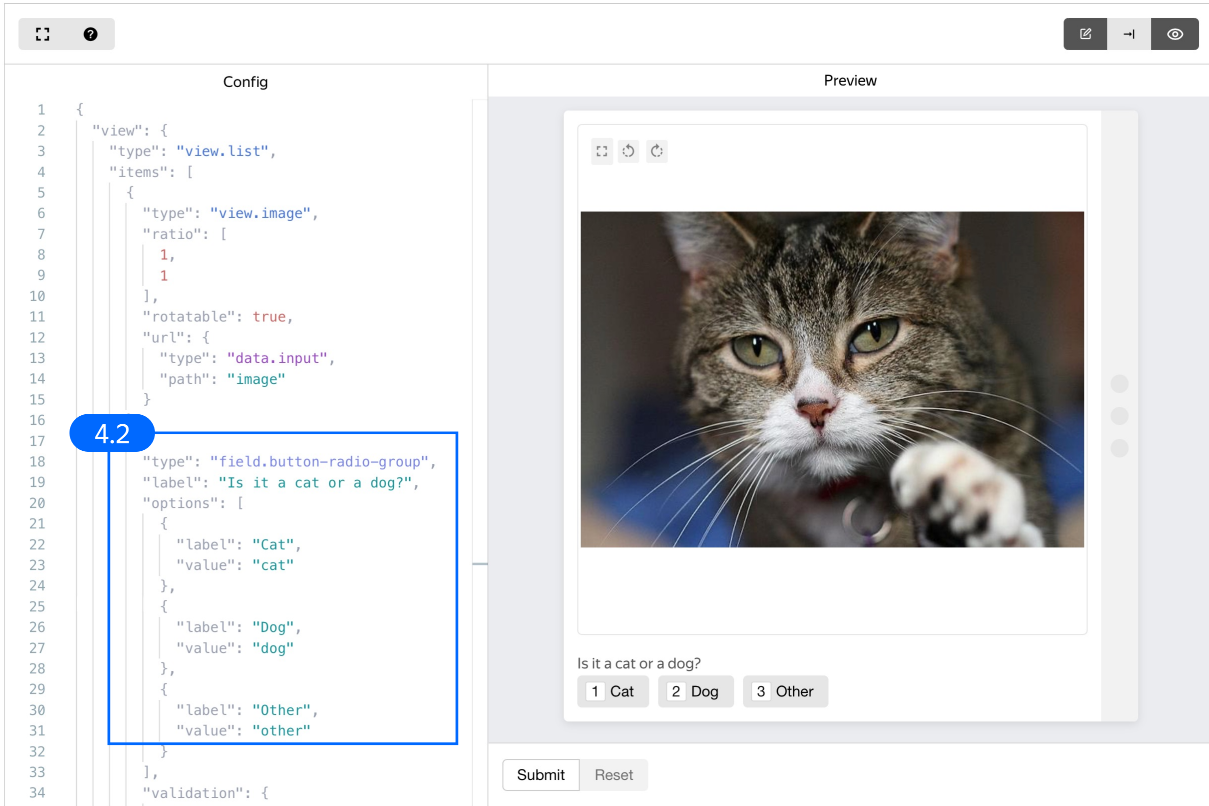




4.1. Find the part of the config with the question from the task and the possible answers (starting from line 17).

4.2. Replace the default question and answers with the ones you need. You can find the full config in the Appendix at the end of this manual.

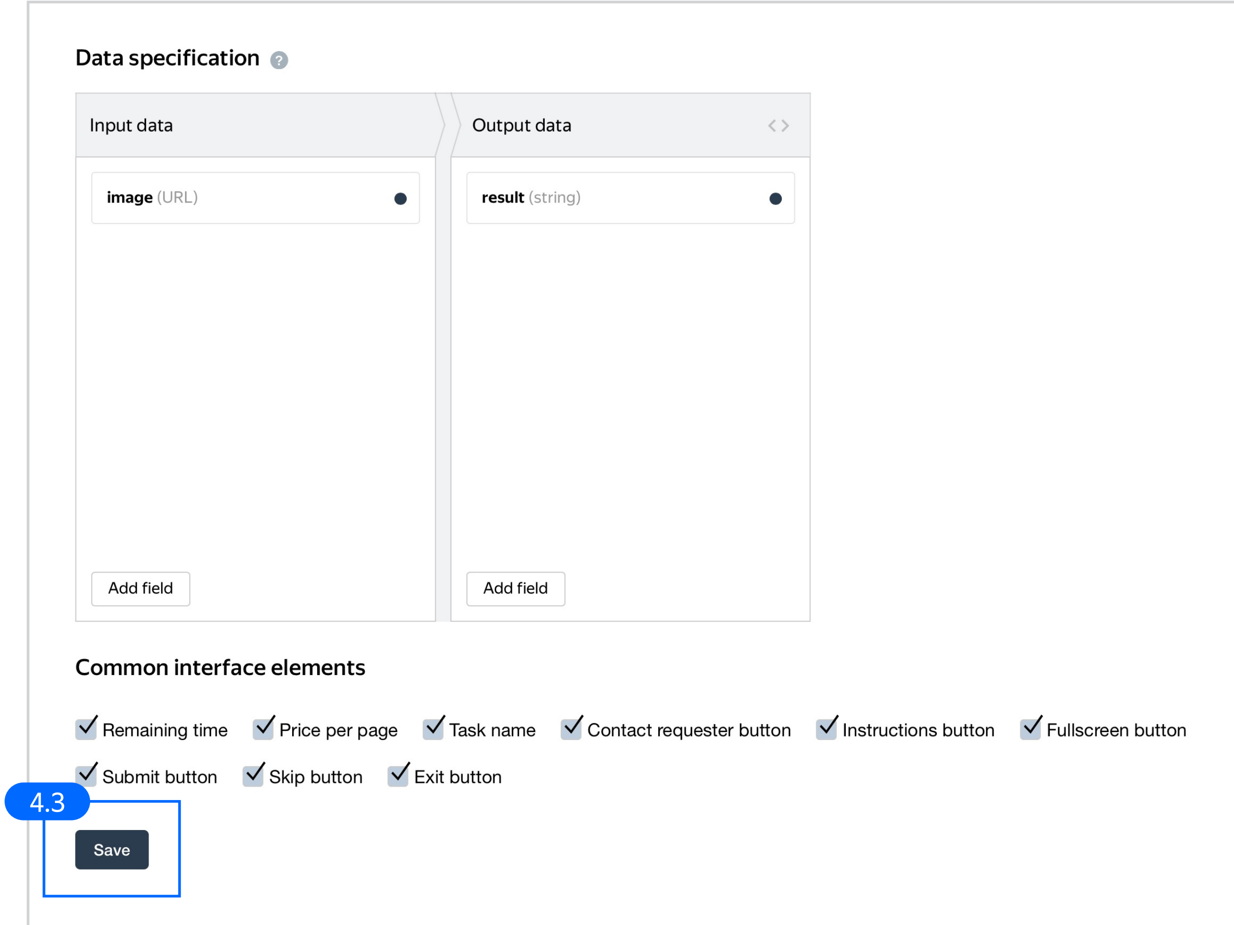
Check the [Interfaces section](#) of our Knowledge Base for more tips on interface design.



4.3. Make sure the specifications look like this:

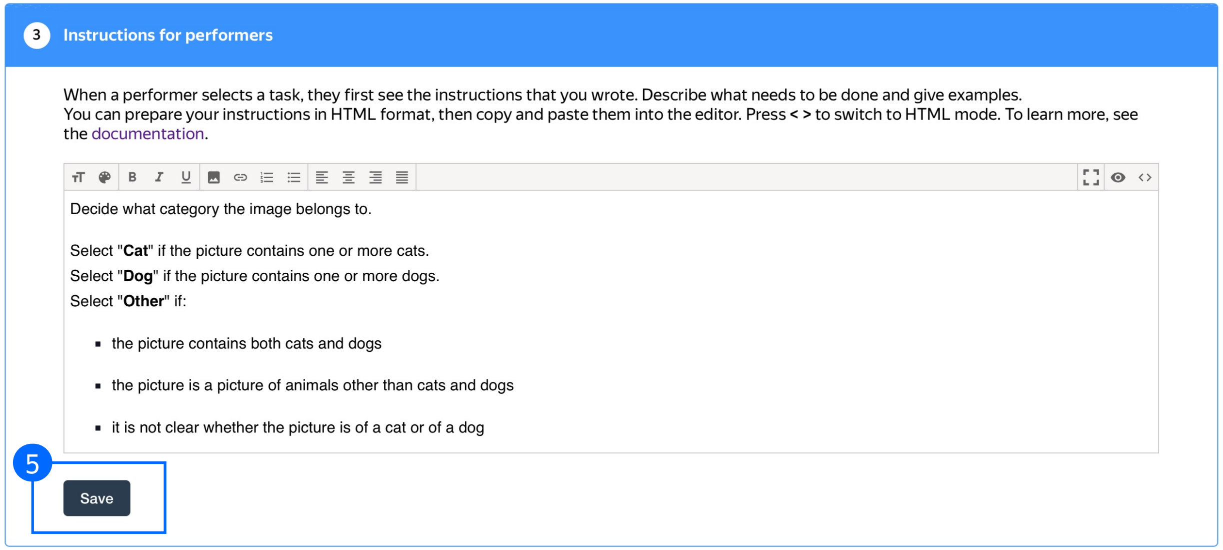
Note: Specifications are a description of input data that will be used in a project and the output data that will be collected from the performers.

Read more [about input and output data specifications](#) in the Requester's Guide.

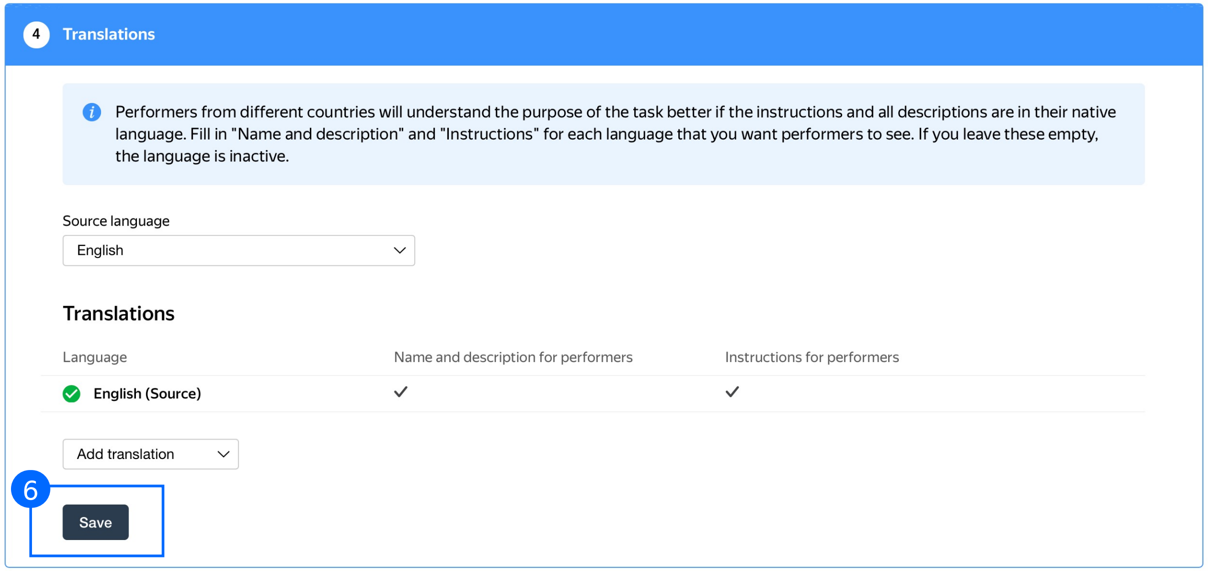


5. Write short and simple instructions. Click **Save.**

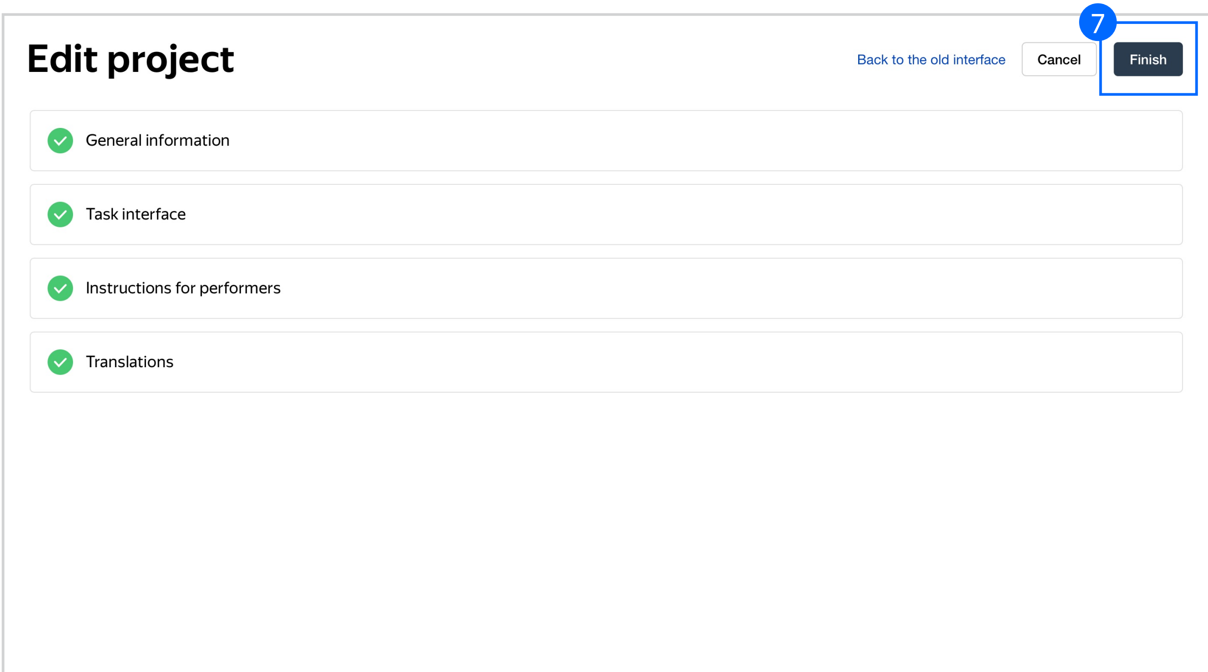
   Get more tips on designing instructions in our Knowledge Base.



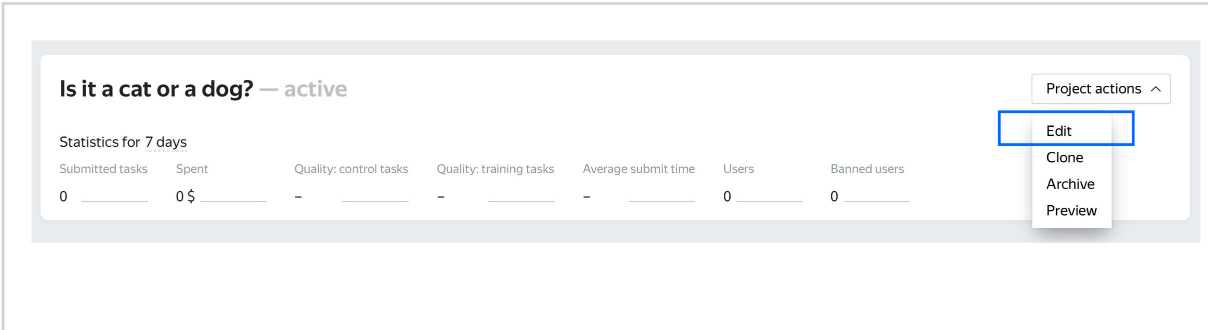
6. Fill in “Name and description” and “Instructions” in the **Translations** block for each language that you want performers to see. If you leave these fields empty, the language is inactive. Click **Save.**



7. Click **Finish** to save the project.



Note: To edit project parameters, click the button in the list of projects or go to **Project actions** → **Edit** on the project page.

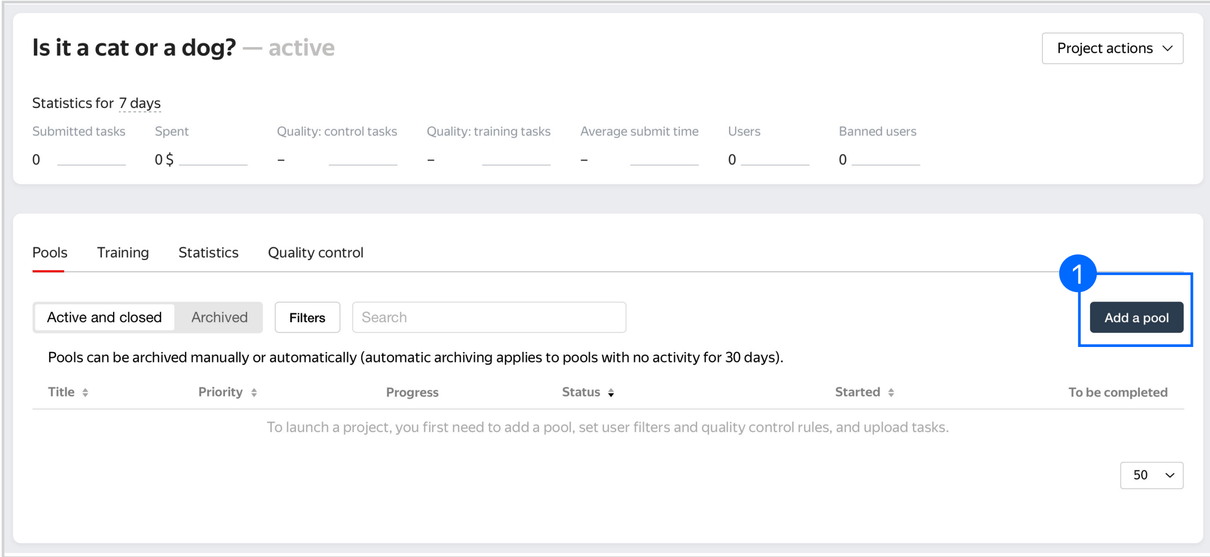


Create a pool

1. Click **Add a pool.**

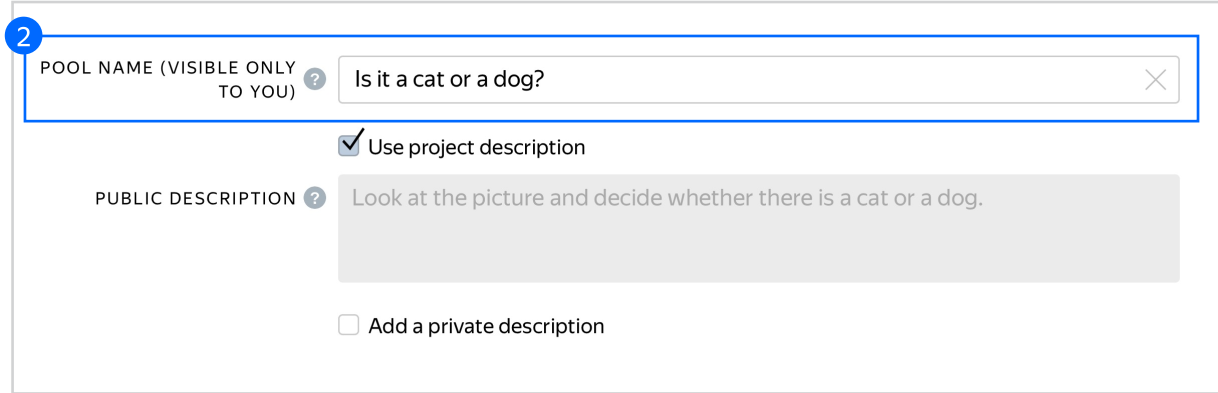
   A pool is a set of paid tasks grouped into task pages. These tasks are sent out for completion at the same time.

   Note: All tasks within a pool have the same settings (price, quality control, etc.)



2. Give the pool any name you find suitable. You are the only one who will see it.

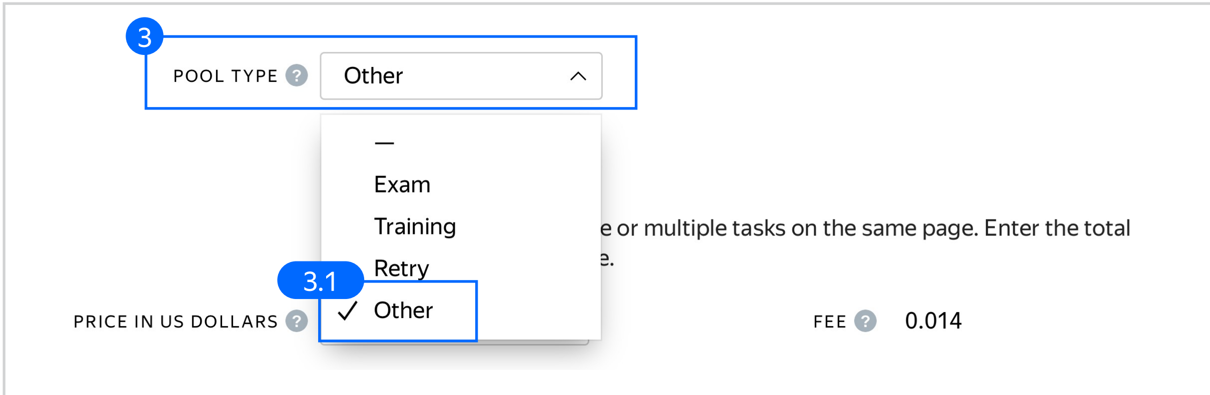
   The description can be either public or private. Choose the option you prefer.



3. Specify [pool parameters](#):

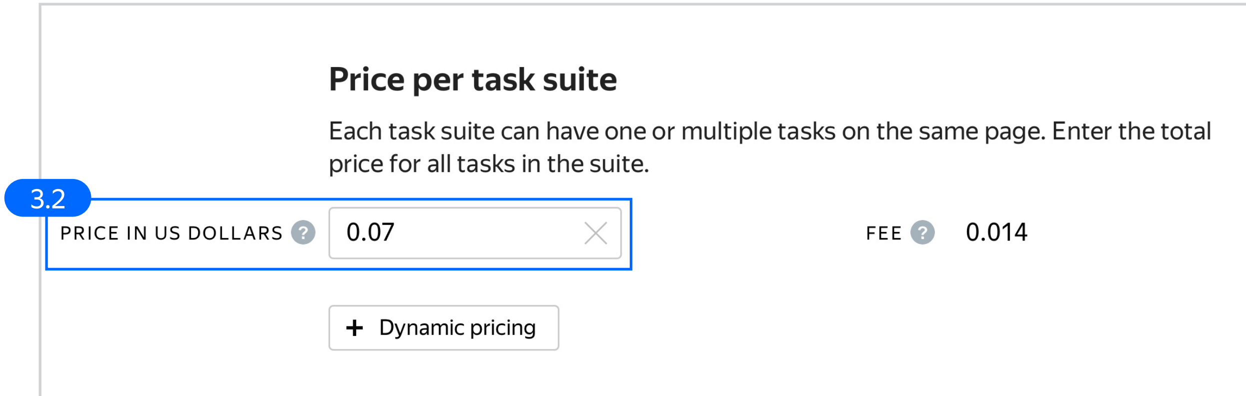
3.1. Select pool type. Choose **Other.**

   Read more about [pool types](#) in the Requester's Guide.

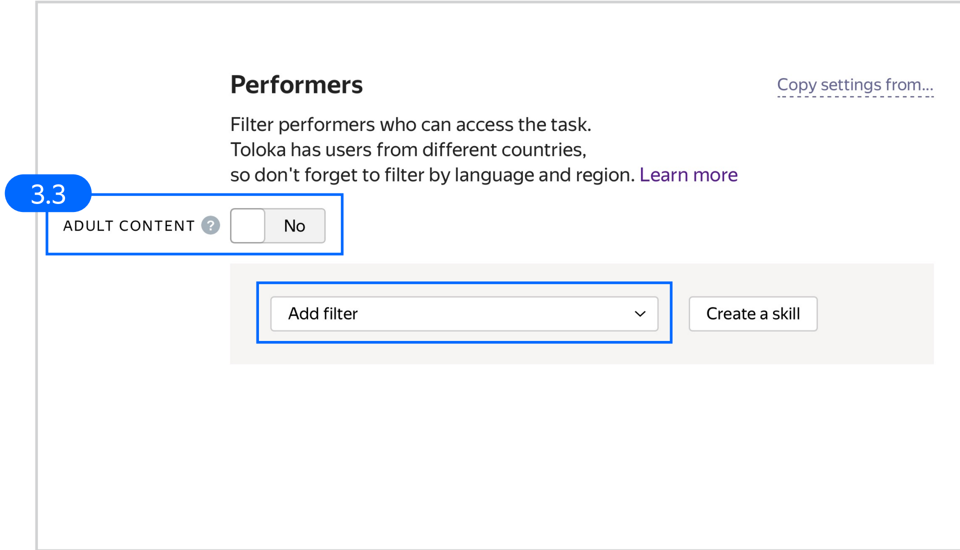


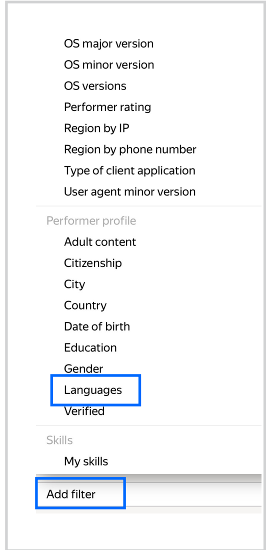
3.2. Set the price per task suite (for example, $0.07).

   Read more about [pricing principles](#) in our Knowledge Base.

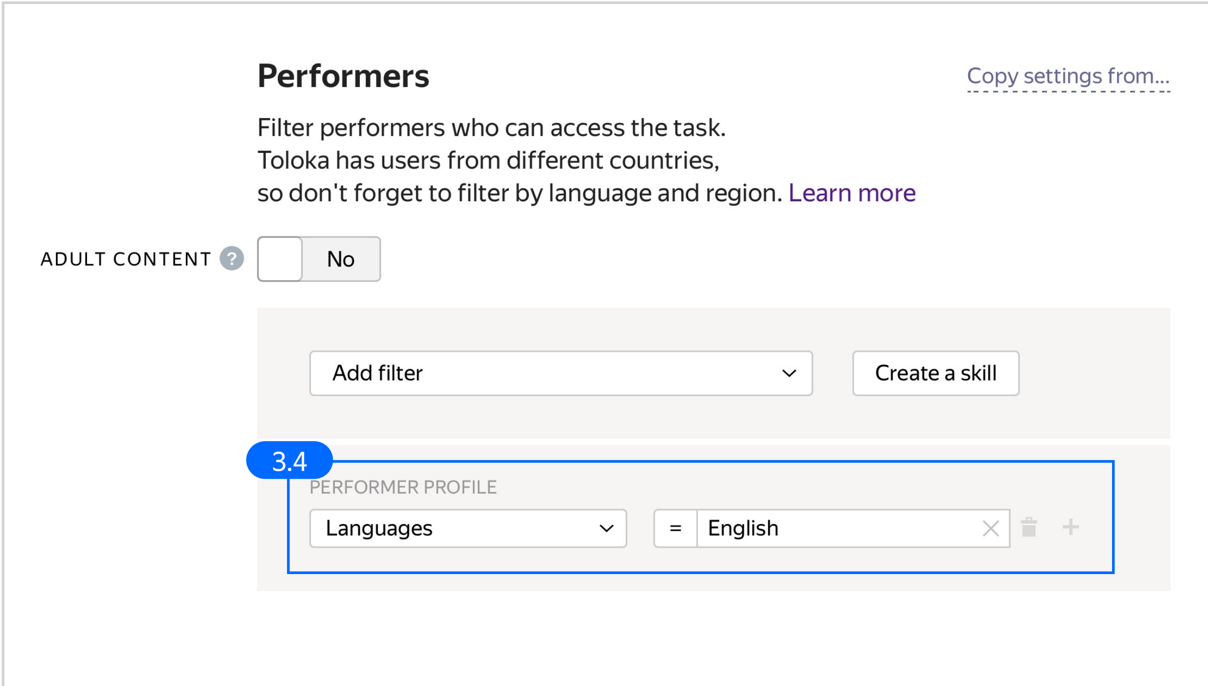


3.3. Filter performers who can access the task. Choose “No” in the **Adult content** block. Click **Add filter** to choose the **Languages** option in the list.

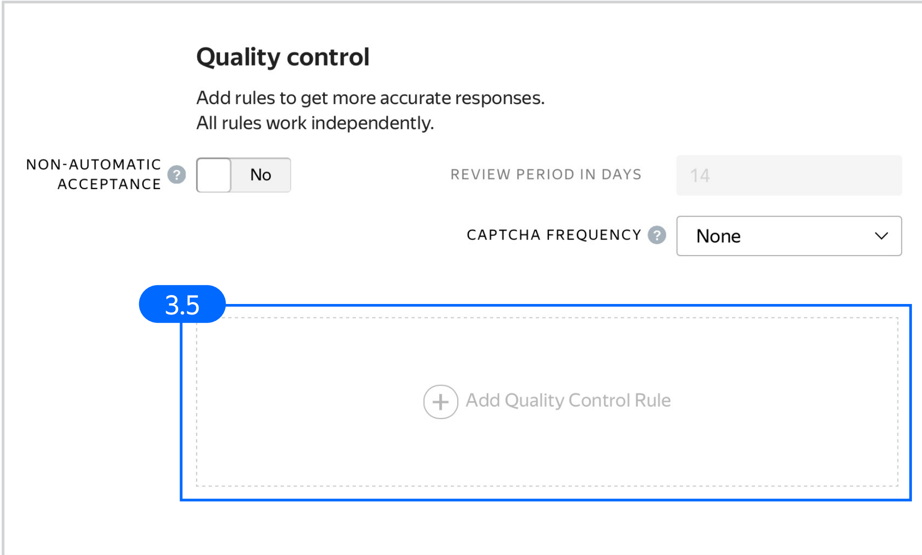


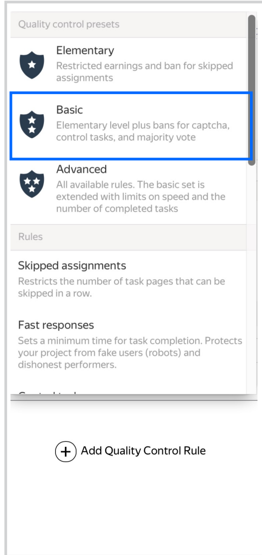


3.4. Select English-speaking performers using the **Languages = English** filter.



3.5. Set up [Quality](#) **control: Golden Set aka Control tasks.** Ban performers who give incorrect responses to control tasks. Click **+ Add Quality Control Rule** and choose **Basic preset.**

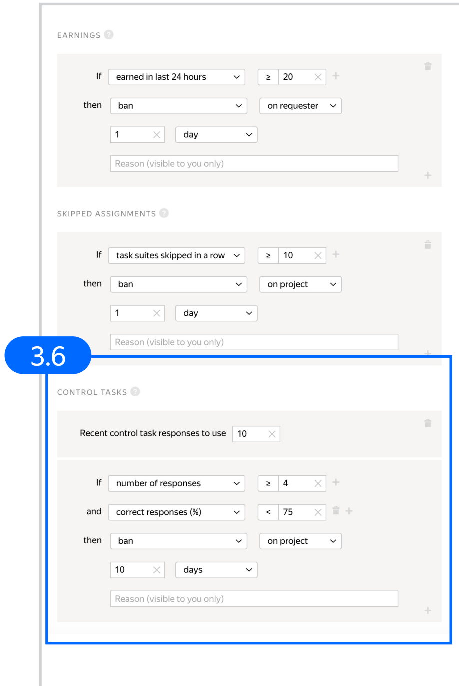


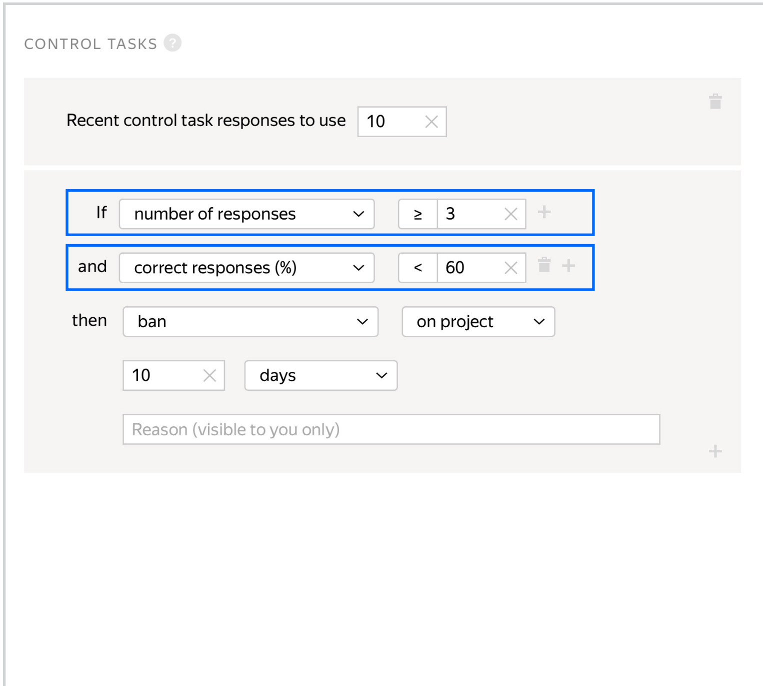


3.6. Scroll down to **Control tasks.** Set the number of responses (at least 3) and the percentage of correct responses (less then 60).

Read more about [configurating this rule](#) in our Requester's Guide.

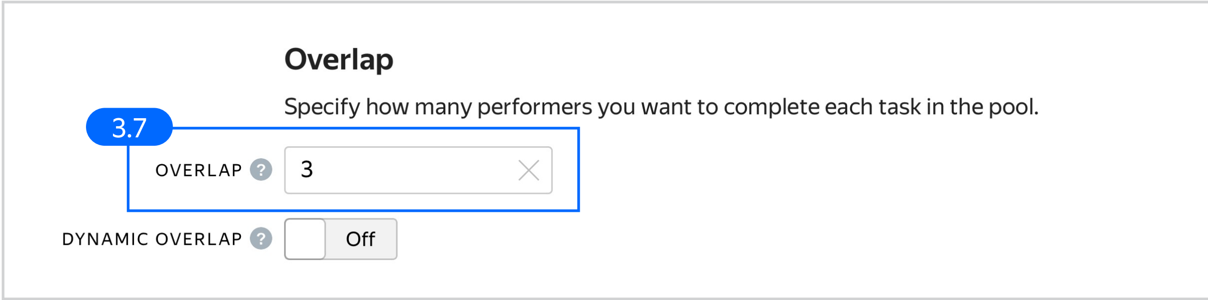
Example: If the **number of responses** is **≥ 3** and **correct responses** (%) account for **< 60, then ban on project** for **10 days.** Optionally, add [other quality control rules](#).





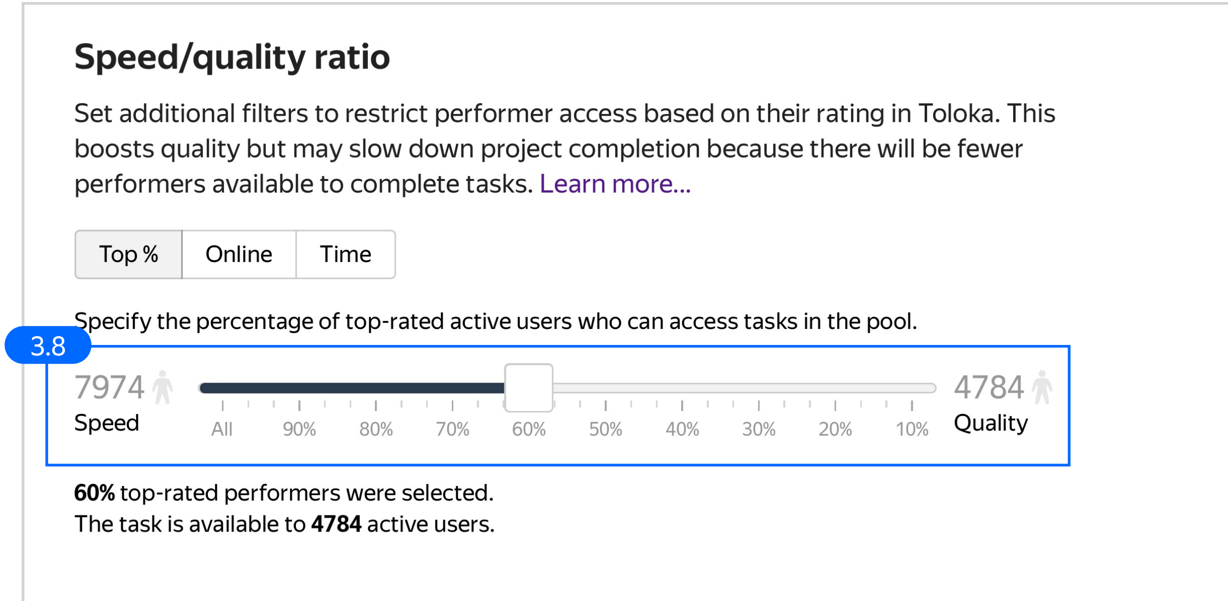
3.7. Overlap. This is the number of users who will complete the same task. For example, 3.

To understand how this rule works, go to the Requester's Guide.



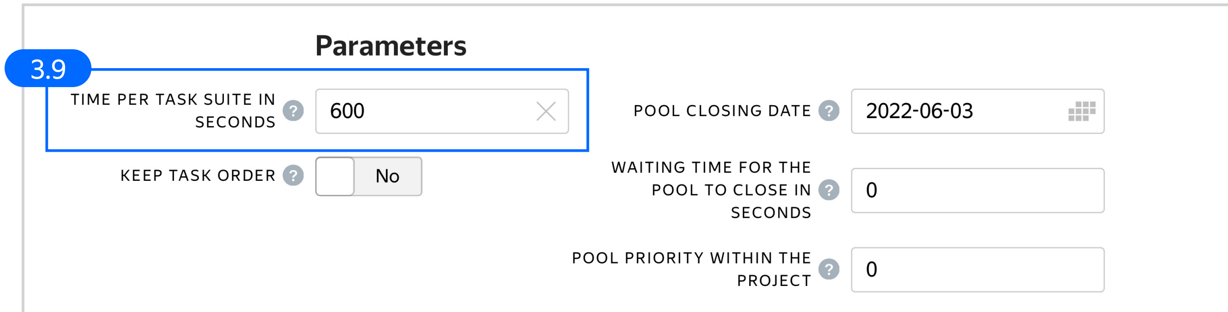
3.8. Optionally, specify the percentage of top-rated performers in the Speed / quality balance.

Note: This can slow down pool completion.

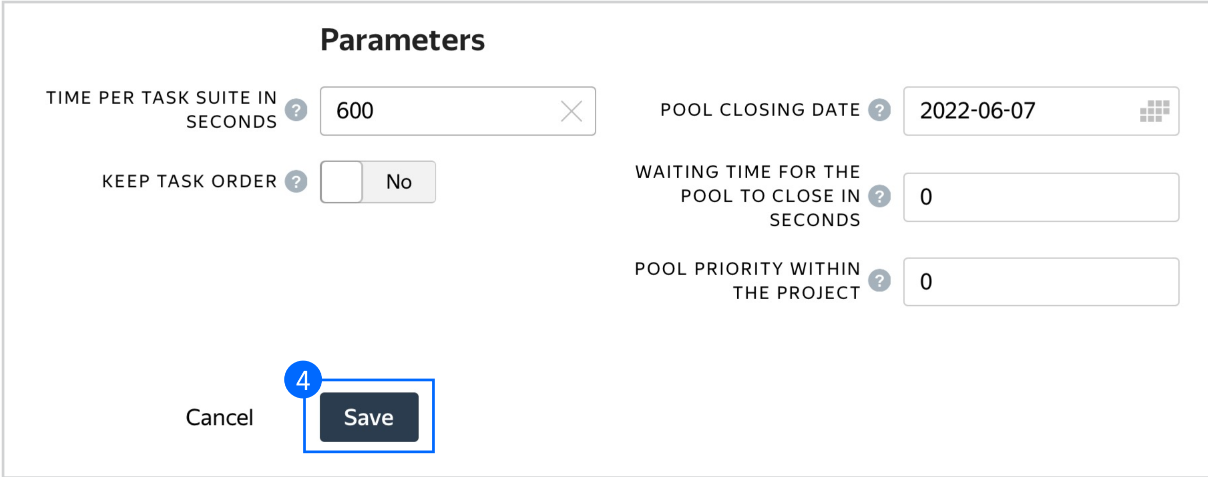


3.9. Time given to complete a task suite (for example, 600 seconds).

To understand how much time it should take to complete a task suite, try doing it yourself.



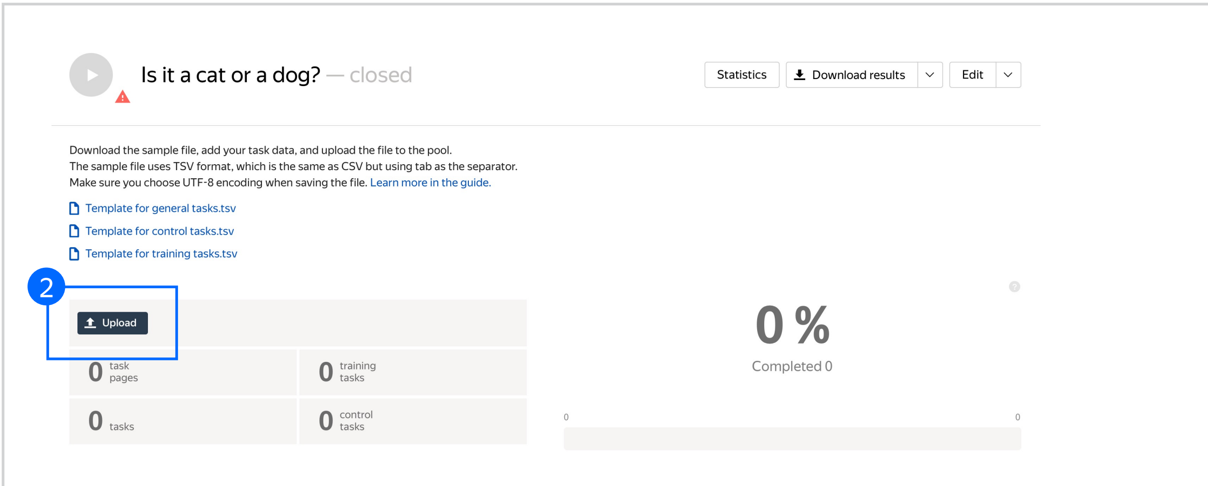
4. Click **Save** to save Pool parameters.



Prepare and upload a file with tasks

1. Prepare a TSV file with tasks as shown in our [example](). License: CC BY 4.0

2. [Upload pool tasks]() from this file.

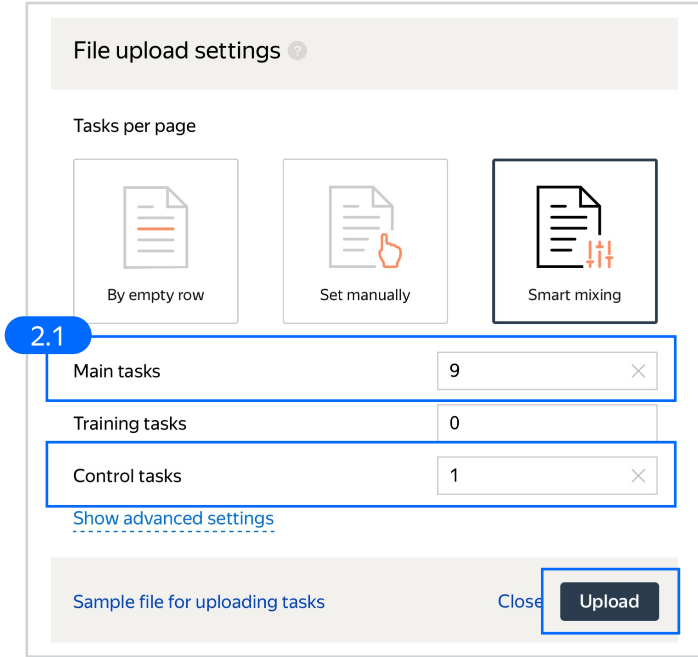


2.1. Select [Smart mixing](#) in **File upload settings** and specify the number of tasks per page. For example: 9 main tasks and 1 control task.

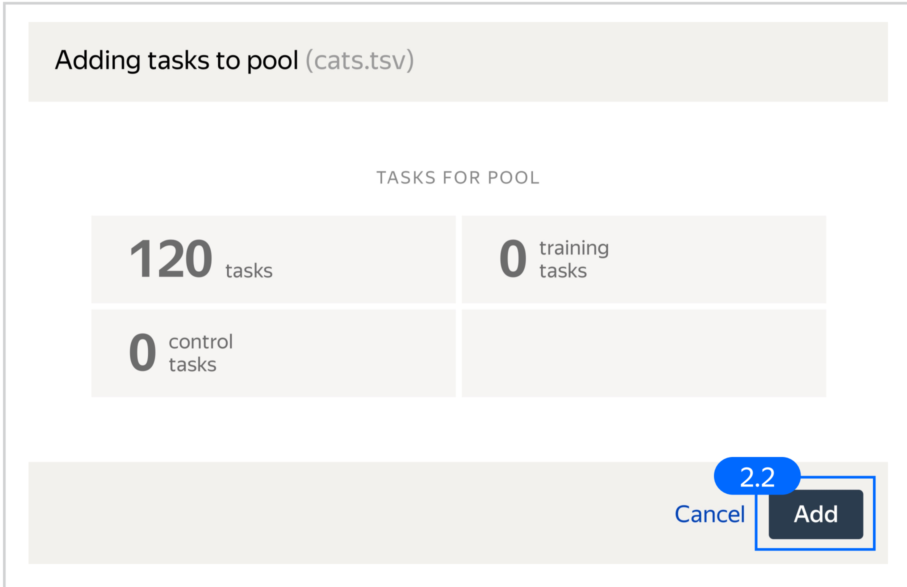
To learn more about [grouping tasks](#) into suites, read the Requester's Guide.

Click **Upload** again.

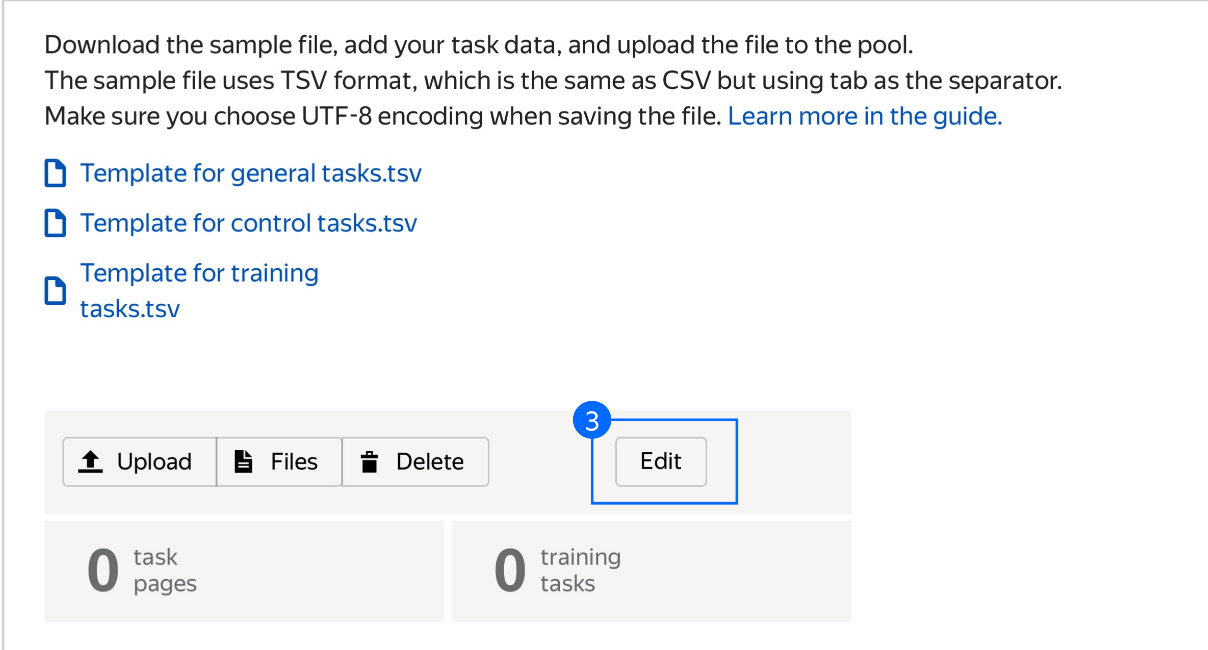
Note: If you changed the name of the input field, change it in the file as well.

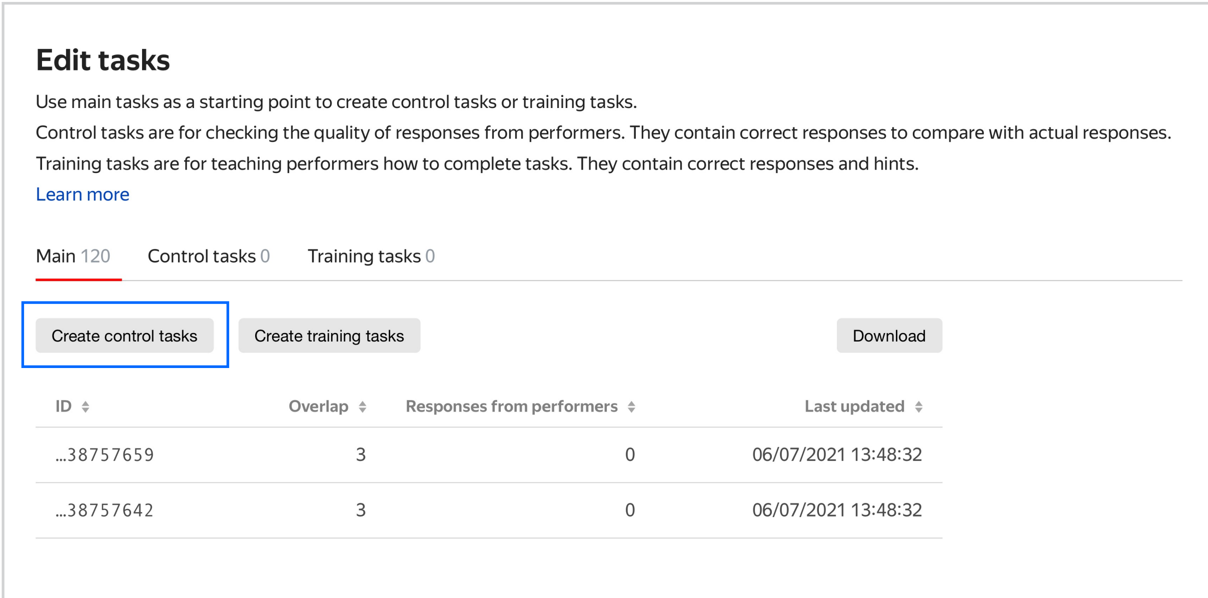


2.2. In the pop-up window, click **Add** to add tasks to the pool.



3. [Create control tasks](#).
Click **Edit** → **Create control tasks.**

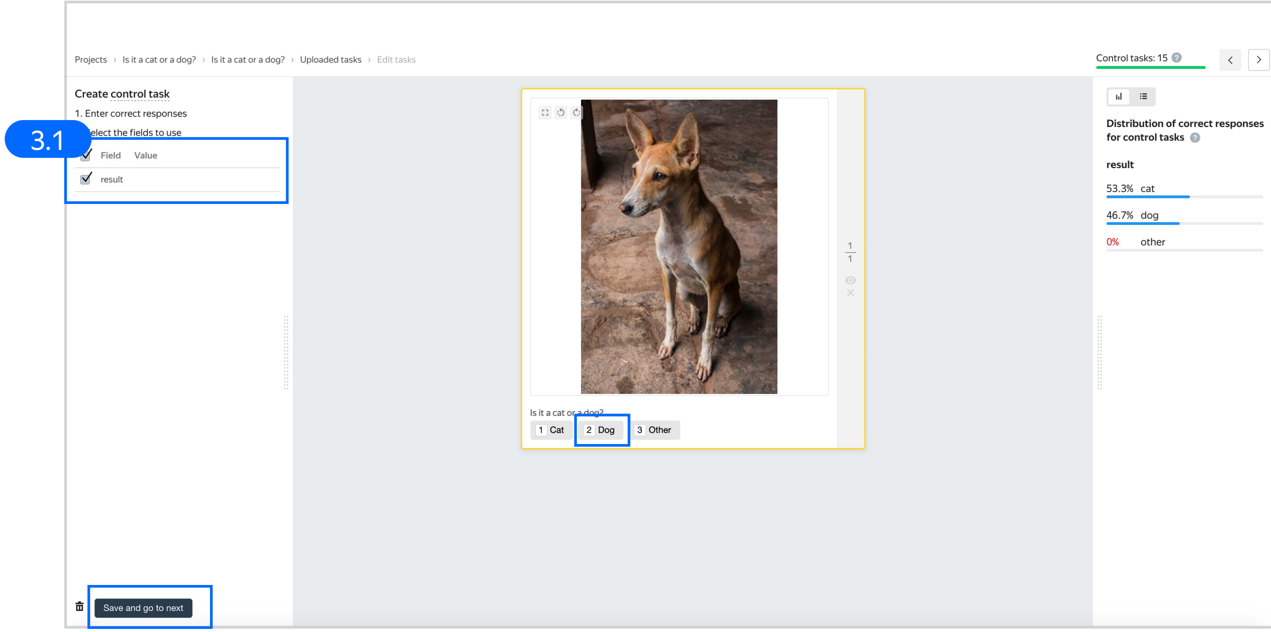




Note: Control tasks are tasks that already contain the correct response. They are used for checking the quality of responses from performers. The performer's response is compared to the response you provided. If they match, it means the performer answered correctly.

3.1. Enter correct responses for your control tasks. Check the **result** output field, which compares the user's response to the control task, select the response, and click **Save and go to next**. Repeat until you have enough control tasks.

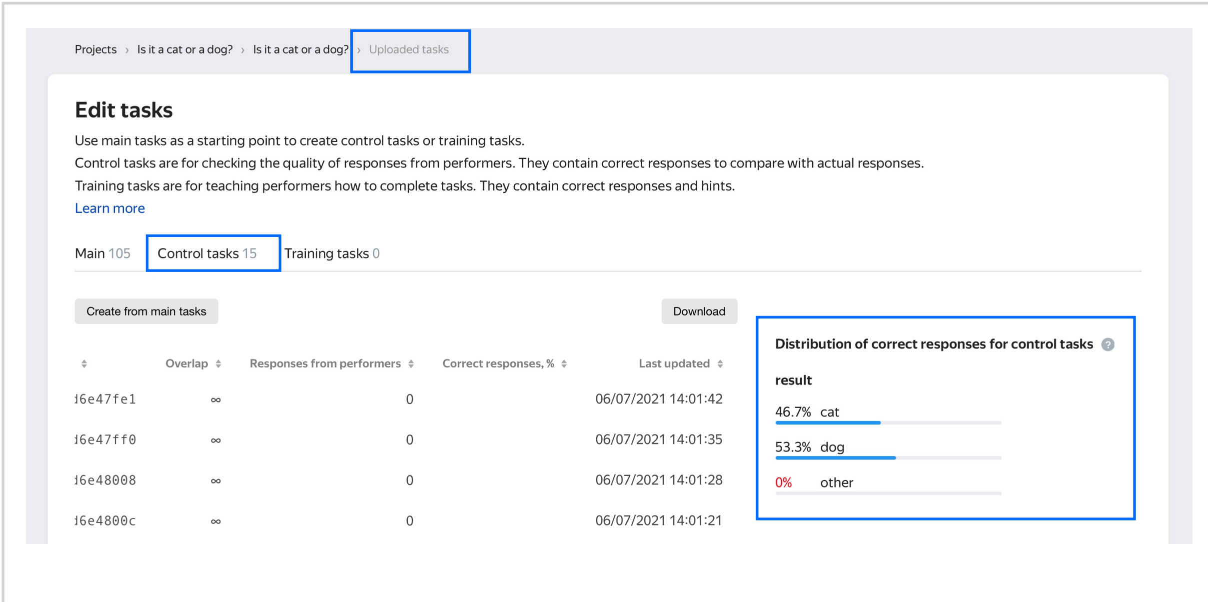
To learn more about [creating control tasks](), go to the Requester's Guide.



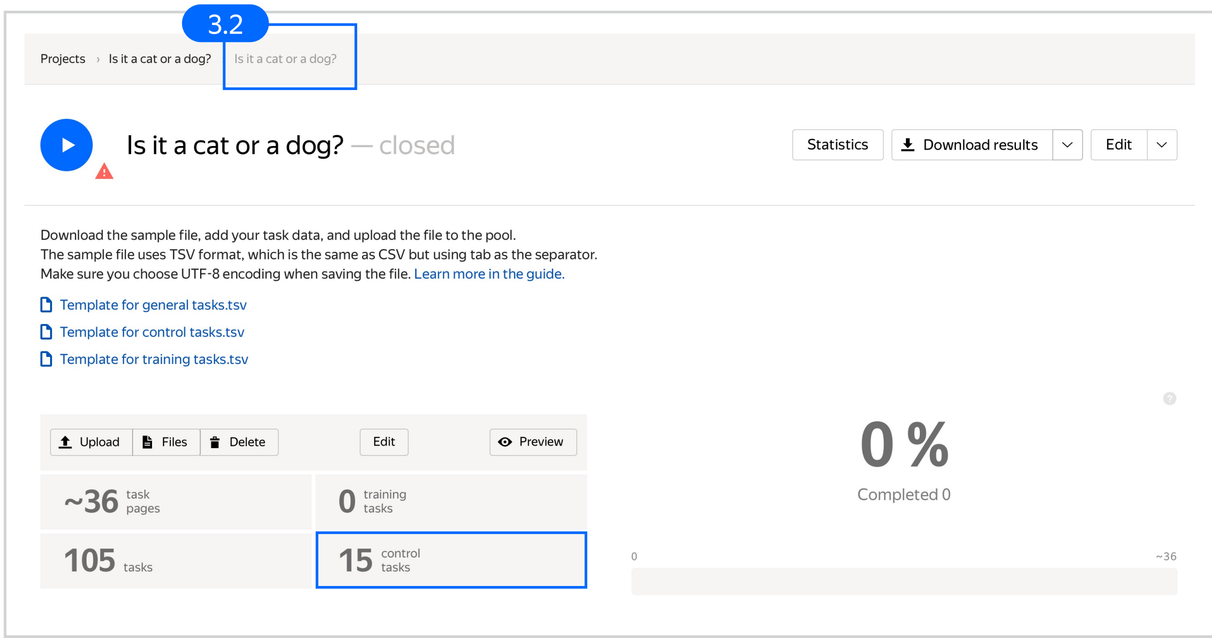
In small pools, control tasks should account for 10–20% of all tasks.

Tip. Make sure to include different variations of correct responses in equal amounts.

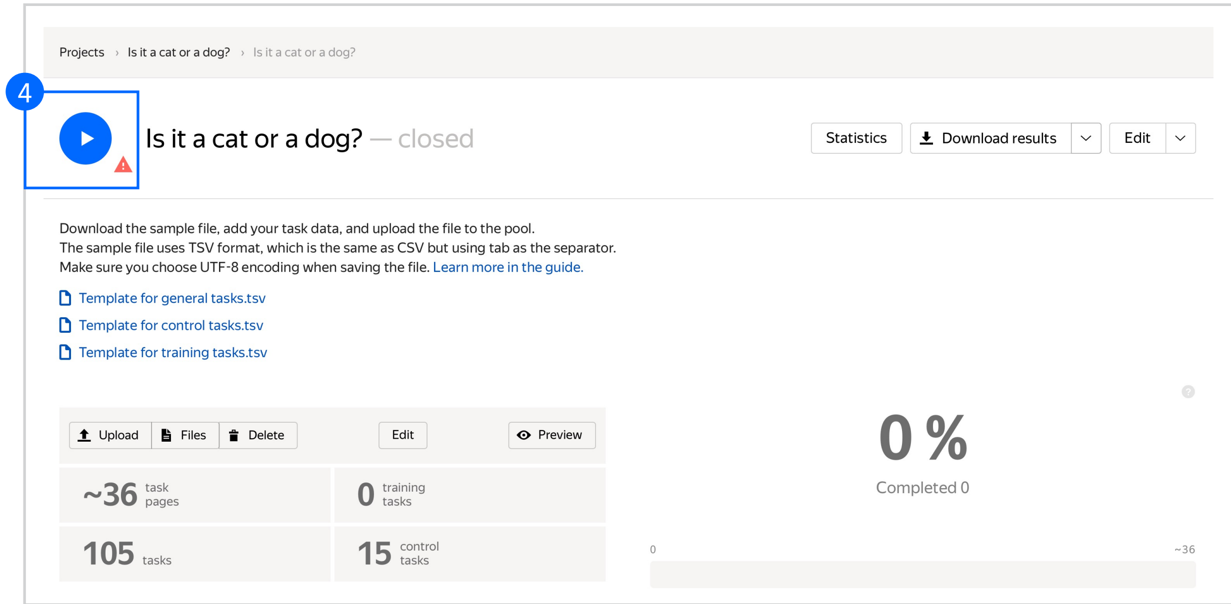
Go to **Uploaded tasks → Control tasks → Distribution of correct responses for control tasks** tab.



3.2. To check the number of control tasks, go to the **Pool page.**



4. Start the pool.



Note: Remember that the tasks will be completed by actual Tolokers. Double check that everything is correct with your project configuration before you start the pool.

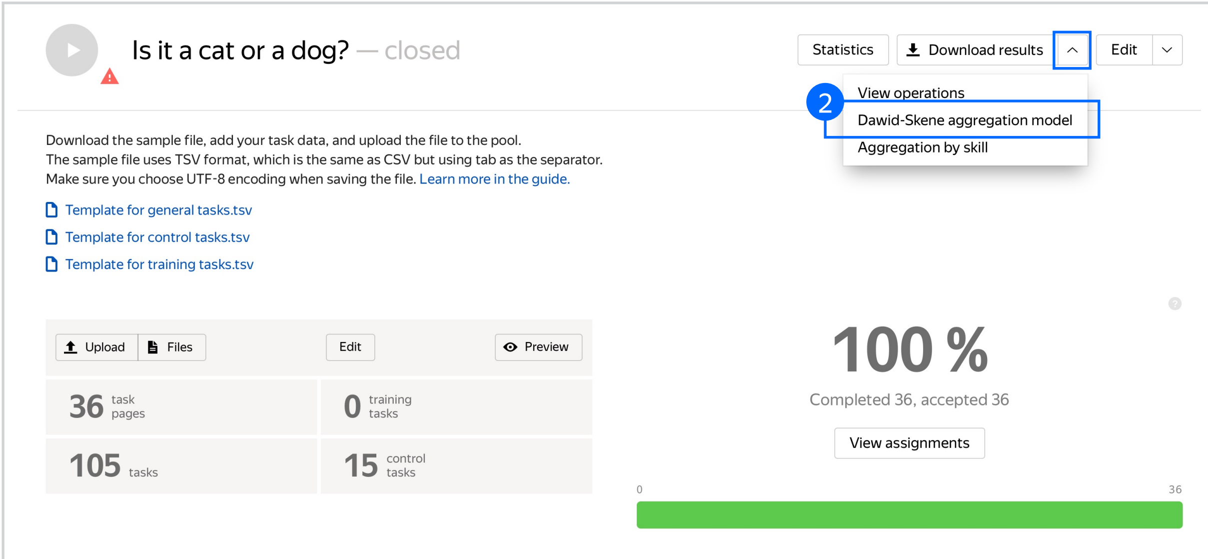
Receiving responses

1. Wait until the pool is completed. Refresh the pool page to check progress.

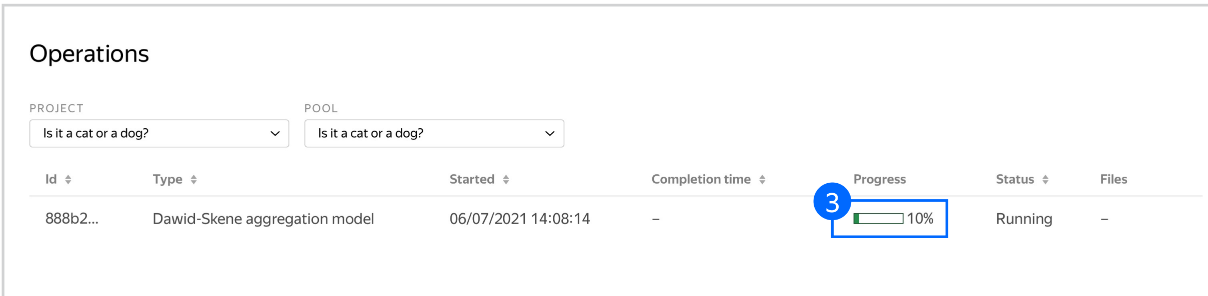
Note: Aggregation takes from 5 to 20 minutes. During this time, you can start configuring your next project. Refresh the Operations page to check progress.

2. Click the **Download results** button and run aggregation using the Dawid-Skene model.

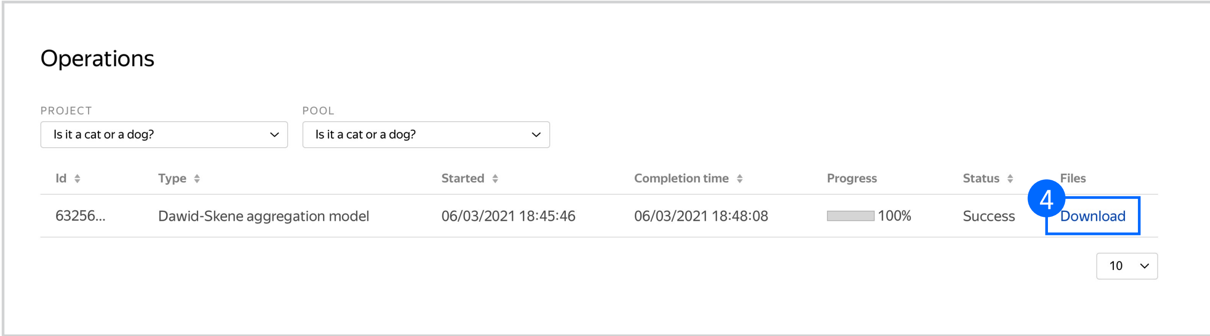
   Read more about the Dawid-Skene model in the Requester's Guide or get at an overview of different aggregation models our Knowledge Base.



3. Go to the list of operations and wait until aggregation is complete.



4. When aggregation is complete, download the TSV file with the results.



Appendix

Interface config
Step 4.2.

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1,
1
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"rotatable": true,
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"type": "data.input",
"path": "image"
}
},
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"label": "Cat",
"value": "cat"
},
{
"label": "Dog",
"value": "dog"
},
{
"label": "Other",
"value": "other"
}
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},
"data": {
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},
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"payload": "cat"
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"data": {
"type": "data.output",
"path": "result"
},
"payload": "other"
},
"type": "plugin.hotkeys"
}
]
}
```