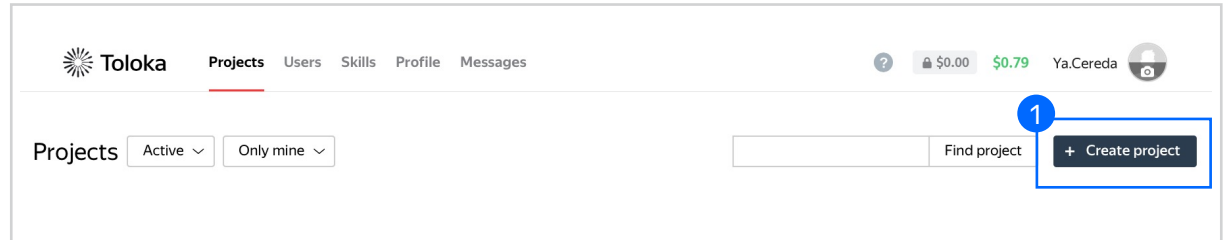




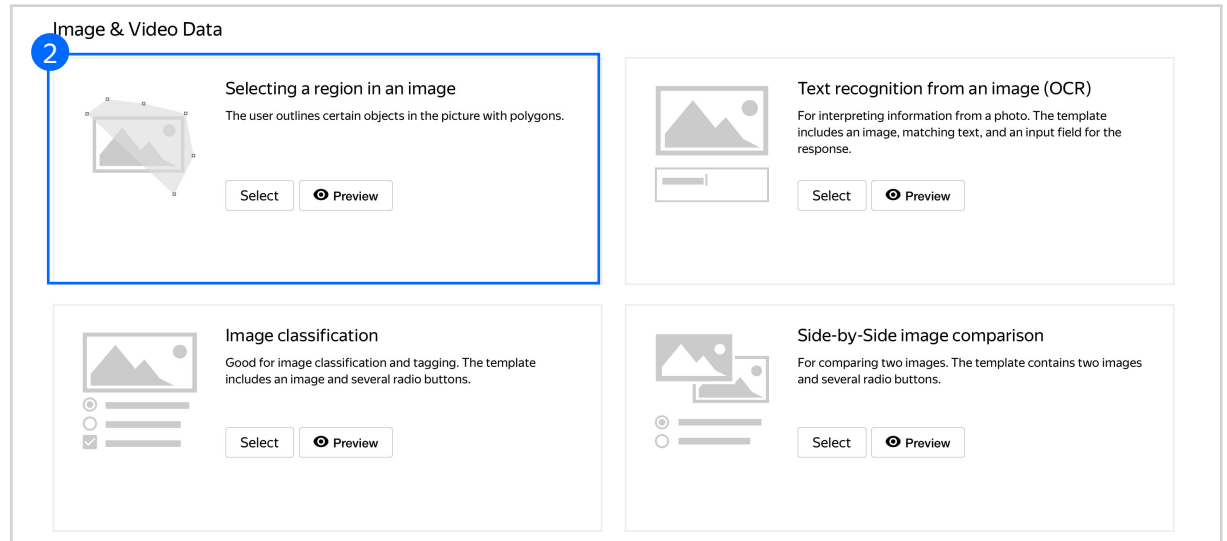
Object detection manual

Create a project

1. Click **Create project**.

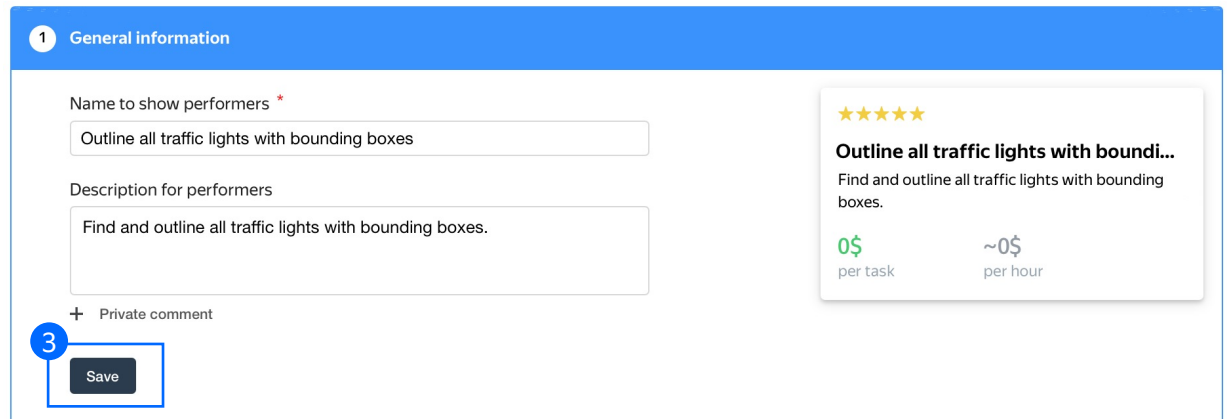


2. Choose the **Selecting a region in an image** in an image template.



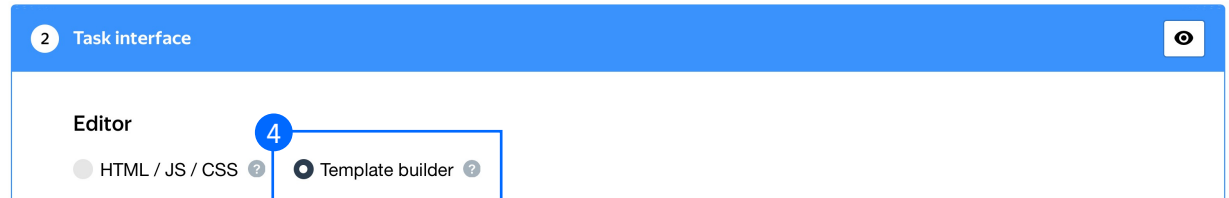
3. Enter a clear project name and description. Click **Save**.

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



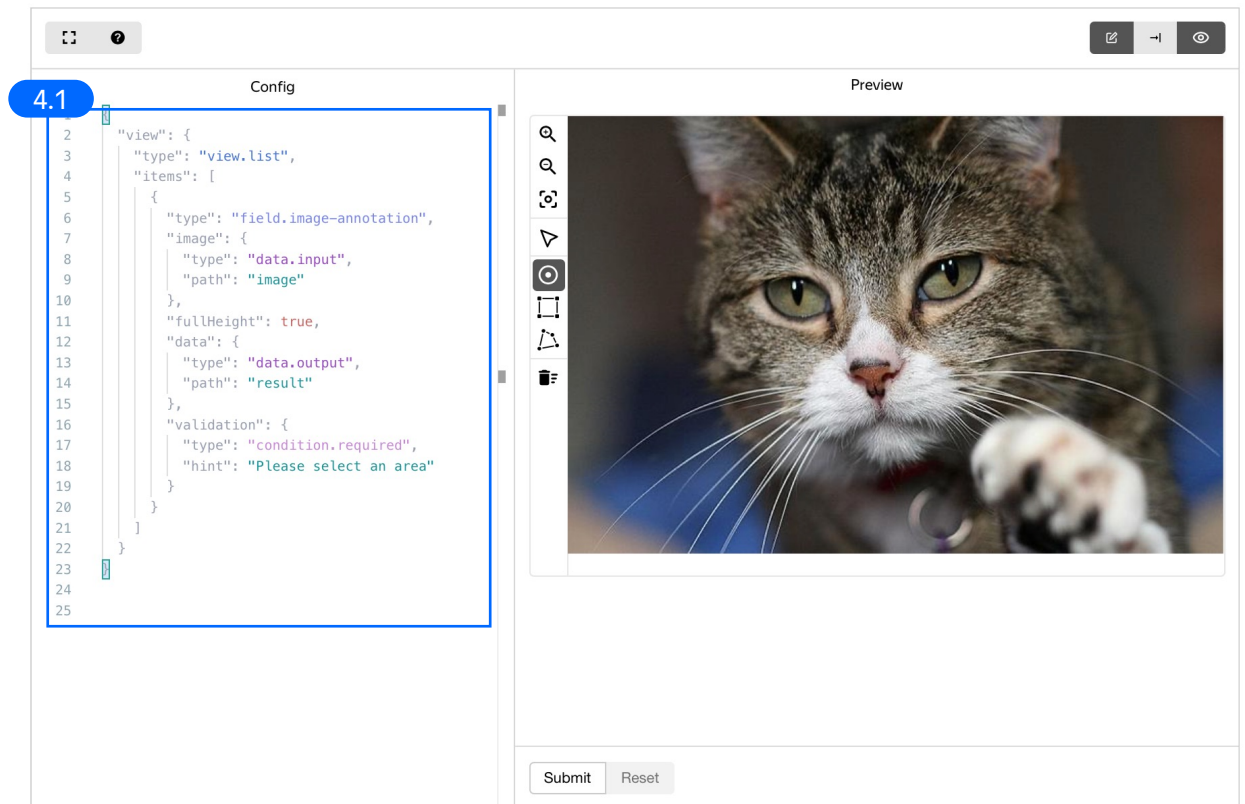
4. Update the task interface in the **Template Builder** block.

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



- 4.1. Delete the existing config and paste the code provided at the end of this manual (in the appendix).

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



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

Note: Make sure to add some examples.


Get more tips on designing [instructions](#) in our Knowledge Base.

3 Instructions for performers

When a performer selects a task, they first see the instructions that you wrote. Describe what needs to be done and give examples. You can prepare your instructions in HTML format, then copy and paste them into the editor. Press < > to switch to HTML mode. To learn more, see the [documentation](#).

Outline **each** traffic light with a separate bounding box (rectangle).

Examples with correct traffic lights bounding:



5 Save

6. Leave the **Translations** block as default and click **Save**.

4 Translations

i Performers from different countries will understand the task better if the instructions and all descriptions are in their native language. Fill in "Name and description" and "Instructions" for each language that you want performers to see. If you leave these empty, the language is inactive.

Source language

—

Translations

Language	Name and description for performers	Instructions for performers
✓ Source	✓	✓

Add translation

6 Save

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

Edit project

Back to the old interface Cancel **Finish**

- ✓ General information
- ✓ Task interface
- ✓ Instructions for performers
- ✓ Translations

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

Outline all traffic lights with bounding boxes — active Project actions ▾

Statistics for 7 days

Submitted tasks	Spent	Quality: control tasks	Quality: training tasks	Average submit time	Users	Banned users
0	0\$	-	-	-	0	0

Pool creation

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).

The screenshot shows the Toloka project management interface. At the top, the project title is "Outline all traffic lights with bounding boxes — active" with a "Project actions" dropdown. Below this is a "Statistics for 7 days" section with a table of metrics: Submitted tasks (0), Spent (0\$), Quality: control tasks (-), Quality: training tasks (-), Average submit time (-), Users (0), and Banned users (0). The main content area has tabs for "Pools", "Training", "Statistics", and "Quality control". Under the "Pools" tab, there are buttons for "Active and closed", "Archived", and "Filters", along with a search bar. A blue circle with the number "1" highlights the "Add a pool" button. Below the buttons, there is a note: "Pools can be archived manually or automatically (automatic archiving applies to pools with no activity for 30 days)." A table header is visible with columns: Title, Priority, Progress, Status, Started, and To be completed. A footer note states: "To launch a project, you first need to add a pool, set user filters and quality control rules, and upload tasks." A pagination control shows "50" items per page.

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.

2

POOL NAME (VISIBLE ONLY TO YOU) ? Outline all traffic lights with bounding boxes

Use project description

PUBLIC DESCRIPTION ? Find and outline all traffic lights with bounding boxes.

Add a private description

3. Specify [pool parameters](#):

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

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

3

POOL TYPE ? Other

Exam

Training

3.1 Retry

✓ Other

PRICE IN US DOLLARS ?

FEE ? 0.014

3.2. Set the price per task suite (for example, \$0.01).

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

Price per task suite

Each task suite can have one or multiple tasks on the same page. Enter the total price for all tasks in the suite.

3.2

PRICE IN US DOLLARS ? 0.01

FEE ? 0.005

+ Dynamic pricing

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

Performers [Copy settings from...](#)

Filter performers who can access the task. Toloka has users from different countries, so don't forget to filter by language and region. [Learn more](#)

ADULT CONTENT ? No

Add filter Create a skill

OS major version
OS minor version
OS versions
Performer rating
Region by IP
Region by phone number
Type of client application
User agent minor version

Performer profile

Adult content
Citizenship
City
Country
Date of birth
Education
Gender
Languages
Verified

Skills
My skills
Add filter

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

Performers [Copy settings from...](#)

Filter performers who can access the task. Toloka has users from different countries, so don't forget to filter by language and region. [Learn more](#)

ADULT CONTENT ? No

Add filter Create a skill

3.4

PERFORMER PROFILE

Languages = English

3.5. Click **Add filter** to choose the **Client** option in the list.
Make sure the task is displayed only to PC users: use the **Client=Toloka web version** filter.

The screenshot shows the 'Performers' configuration page. At the top, there is a 'PERFORMER PROFILE' section with a filter for 'Languages' set to 'English'. Below this is an 'AND' connector. The 'CALCULATED DATA' section has a filter for 'Client' set to 'Toloka web version'. A blue callout box labeled '3.5' highlights the 'Add filter' button and the 'Client' filter. To the right, a list of available filters is shown, with 'Client' highlighted. The list includes: Browser, Bugfix version of the operating system, Client, Client application bugfix version, Client application major version, Client application versions, Device type, Operating system, OS major version, OS minor version, OS versions, Performer rating, Region by IP, Region by phone number, and Type of client application.

3.6. Add a new skill. It will be assigned to users after they complete the pool tasks. You will use this skill to prevent these users from checking tasks in the next project. Click **Create a skill**.

The screenshot shows the 'Performers' section of the skill configuration page. It includes a 'Copy settings from...' link, a description: 'Filter performers who can access the task. Toloka has users from different countries, so don't forget to filter by language and region. [Learn more](#)', and an 'ADULT CONTENT' toggle set to 'No'. At the bottom, there is a 'CALCULATED DATA' section with a filter for 'Client' set to 'Toloka web version'. A blue callout box labeled '3.6' highlights the 'Add filter' button and the 'Create a skill' button.

3.7. Enter the skill name and add a description if needed. You are the only one who will see it. Leave the skill private (as default) and click **Add**.

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

Add skill

TITLE

worked_on_bounding

DESCRIPTION

Public? No

Cancel **Add**

3.8. Turn on the **Non-automatic acceptance** option and enter the number of days for checking (for example, 7).

Quality control

Add rules to get more accurate responses.
All rules work independently.

3.8 NON-AUTOMATIC ACCEPTANCE Yes

REVIEW PERIOD IN DAYS 7

CAPTCHA FREQUENCY None

3.9. Set up [Quality control](#).
Click + **Add Quality Control Rule**.

Quality control
Add rules to get more accurate responses.
All rules work independently.

NON-AUTOMATIC ACCEPTANCE Yes

REVIEW PERIOD IN DAYS

CAPTCHA FREQUENCY

3.9

+ Add Quality Control Rule

3.10. In **Processing rejected and accepted assignments**, set up a rule to extend overlap for rejected assignments. This will resend rejected assignments to new performers for completion.

PROCESSING REJECTED AND ACCEPTED ASSIGNMENTS ?

3.10

If assignment becomes rejected

then extend overlap by

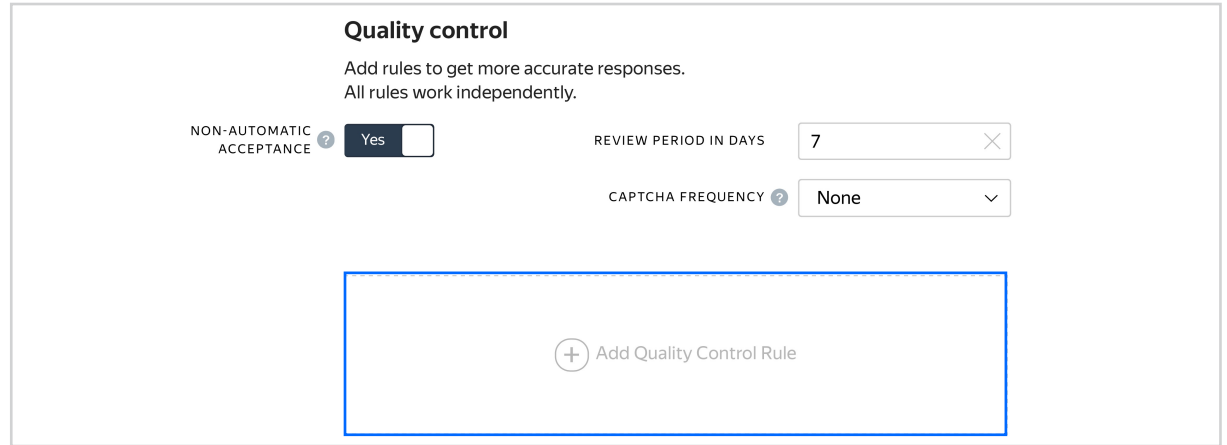
Open pool if closed

3.11. Set up the **Submitted responses** quality control rule to mark users who completed at least one task in the pool. When a person submits 1 or more tasks, they are assigned the skill created in the step above.

Note: If the skill you created doesn't appear in the drop-down list, save the pool, and then open it for editing again.

Optionally, add other [quality control rules](#).

Note: Control tasks and majority vote are not used in this type of project, because responses must exactly match the reference, which is practically impossible for image segmentation.



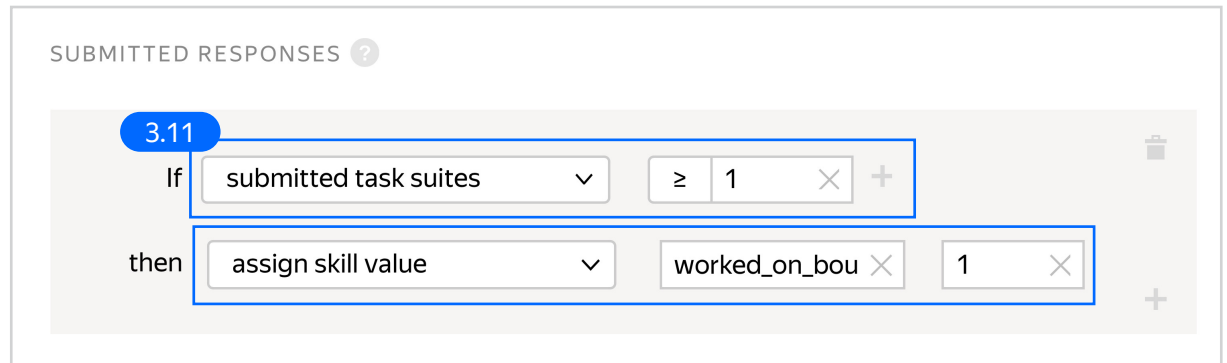
Quality control
Add rules to get more accurate responses.
All rules work independently.

NON-AUTOMATIC ACCEPTANCE Yes

REVIEW PERIOD IN DAYS

CAPTCHA FREQUENCY

[+](#) Add Quality Control Rule



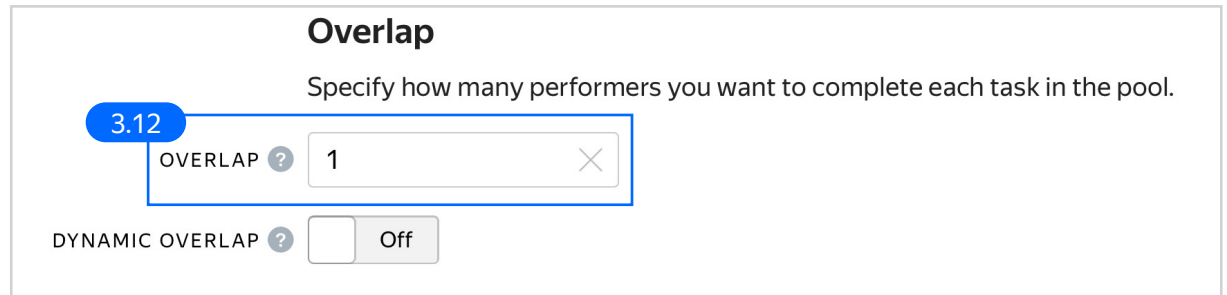
SUBMITTED RESPONSES

3.11

If submitted task suites

then assign skill value

3.12. Overlap. This is the number of performers who will complete the same task. As everyone will be outlining your traffic lights in their own unique way we will show each photo to only one performer.



Overlap
Specify how many performers you want to complete each task in the pool.

3.12

OVERLAP

DYNAMIC OVERLAP Off

3.13. Optionally, specify the percentage of top-rated performers in the [Speed / quality balance](#).

Note: This can slow down pool completion.

Speed/quality balance

Set additional filters to restrict performer access based on their rating in Toloka. This boosts quality but may slow down project completion because there will be fewer performers available to complete tasks. [Learn more...](#)

Top % Online Time

Specify the percentage of top-rated active users who can access tasks in the pool.

4747 Speed 2373 Quality

All 90% 80% 70% 60% 50% 40% 30% 20% 10%

50% top-rated performers were selected.
The task is available to 2373 active users.

3.14. Time given to complete a task suite (for example, 300 seconds).

Parameters

3.14

TIME PER TASK SUITE IN SECONDS ?

POOL CLOSING DATE ?

KEEP TASK ORDER ? No

WAITING TIME FOR THE POOL TO CLOSE IN SECONDS ?

POOL PRIORITY WITHIN THE PROJECT ?

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

Parameters

TIME PER TASK SUITE IN SECONDS ?

POOL CLOSING DATE ?

KEEP TASK ORDER ? No

WAITING TIME FOR THE POOL TO CLOSE IN SECONDS ?

POOL PRIORITY WITHIN THE PROJECT ?

Cancel **4**

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 [Set manually](#) in File upload settings . Set **Tasks per page** to 1. Click **Upload**.

Outline all traffic lights with bounding boxes — closed

Statistics Download results Edit

Download the sample file, add your task data, and upload the file to the pool.
The sample file uses TSV format, which is the same as CSV but using tab as the separator.
Make sure you choose UTF-8 encoding when saving the file. [Learn more in the guide.](#)

[Template for general tasks.tsv](#)
[Template for control tasks.tsv](#)
[Template for training tasks.tsv](#)

2 Upload Files

0 task pages 0 training tasks
0 tasks 0 control tasks

0 % Completed 0

File upload settings ?

Tasks per page

By empty row Set manually Smart mixing

Tasks per page 1

Sample file for uploading tasks Close Upload

2.1

3. 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.

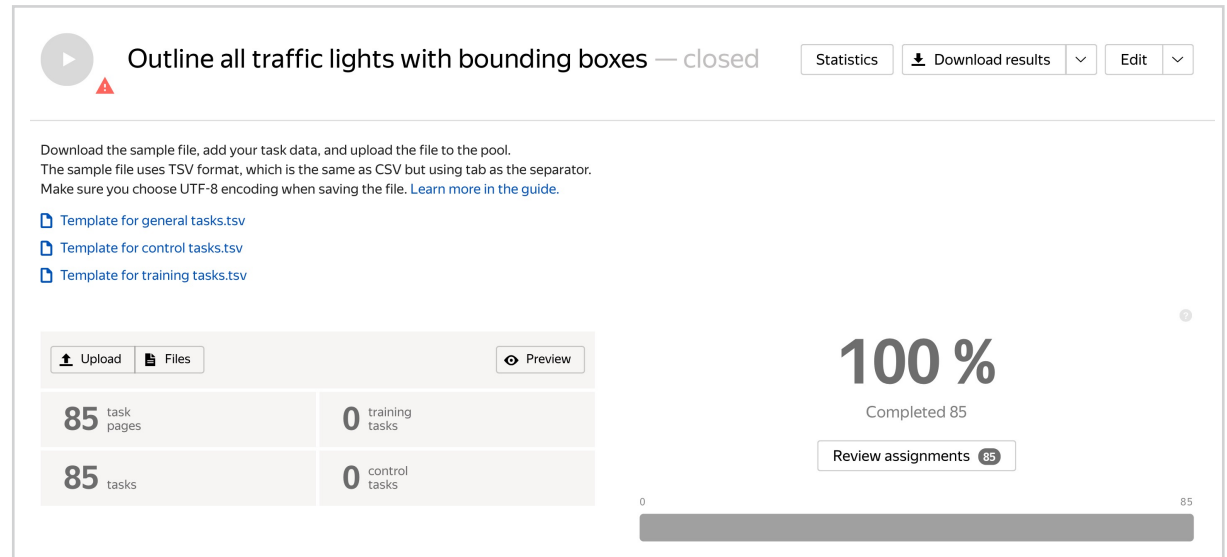
The screenshot shows the Toloka task pool management interface. At the top, there is a title bar with a play button icon and the text "Outline all traffic lights with bounding boxes — closed". To the right of the title bar are buttons for "Statistics", "Download results", and "Edit". Below the title bar, there is a section with instructions: "Download the sample file, add your task data, and upload the file to the pool. The sample file uses TSV format, which is the same as CSV but using tab as the separator. Make sure you choose UTF-8 encoding when saving the file. [Learn more in the guide.](#)" Below the instructions are three links: "Template for general tasks.tsv", "Template for control tasks.tsv", and "Template for training tasks.tsv". Below the links is a file management section with buttons for "Upload", "Files", "Delete", and "Preview". Below the file management section is a summary table:

85 task pages	0 training tasks
85 tasks	0 control tasks

To the right of the summary table is a progress indicator showing "0%" Completed 0. Below the progress indicator is a horizontal bar chart showing the progress from 0 to 85.

Receiving responses

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



The screenshot shows a task pool interface for the task "Outline all traffic lights with bounding boxes". The pool is closed and 100% completed. The interface includes a play button, a warning triangle, and buttons for "Statistics", "Download results", and "Edit". Below the title, there is a description: "Download the sample file, add your task data, and upload the file to the pool. The sample file uses TSV format, which is the same as CSV but using tab as the separator. Make sure you choose UTF-8 encoding when saving the file. [Learn more in the guide.](#)" There are three links for templates: "Template for general tasks.tsv", "Template for control tasks.tsv", and "Template for training tasks.tsv". A progress bar shows 100% completion with 85 tasks completed. A "Review assignments" button is visible with a badge for 85. A table below the progress bar shows the following data:

85 task pages	0 training tasks
85 tasks	0 control tasks

Since the main quality control method for this kind of task is post-acceptance, you will need to review the tasks after the pool is completed.

You can check the quality of responses and reject and reevaluate incorrect assignments. Performers will get paid only after their assignment is accepted.

There are two ways to review assignments:

- manually
- in a separate Toloka project

Manual review

1. On the pool page, click **Review Assignments**.

Outline all traffic lights with bounding boxes — closed

Download the sample file, add your task data, and upload the file to the pool. The sample file uses TSV format, which is the same as CSV but using tab as the separator. Make sure you choose UTF-8 encoding when saving the file. [Learn more in the guide.](#)

- Template for general tasks.tsv
- Template for control tasks.tsv
- Template for training tasks.tsv

Upload Files Preview

85 task pages	0 training tasks
85 tasks	0 control tasks

100 % Completed 85

1 Review assignments 85

2. Click on any response from the list.

Submitted responses

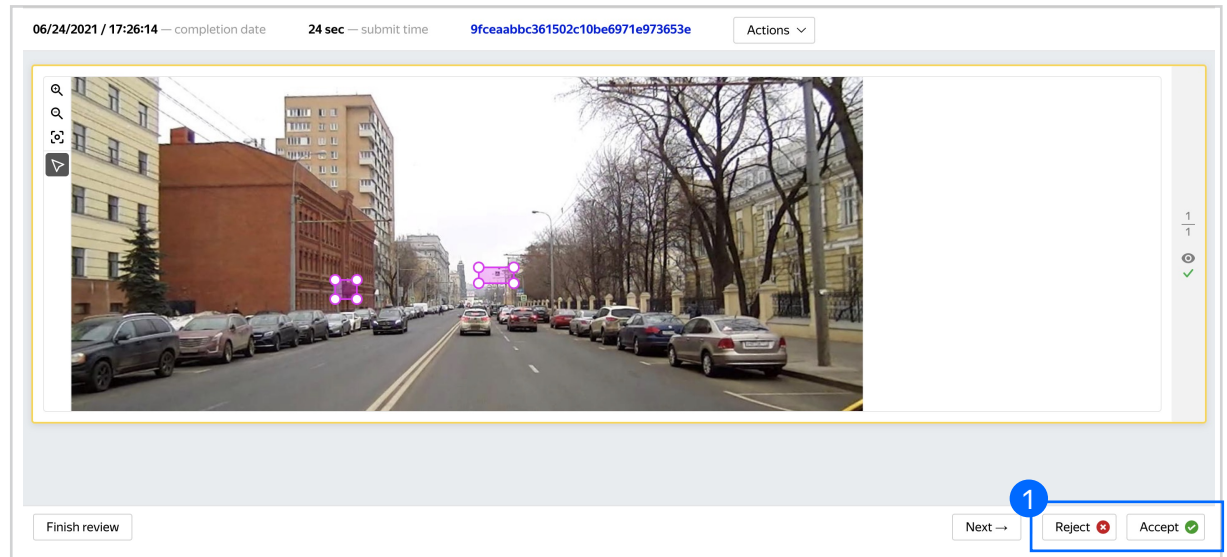
Download results Upload review results

85 Total	85 Submitted	0 Accepted	0 Rejected
----------	--------------	------------	------------

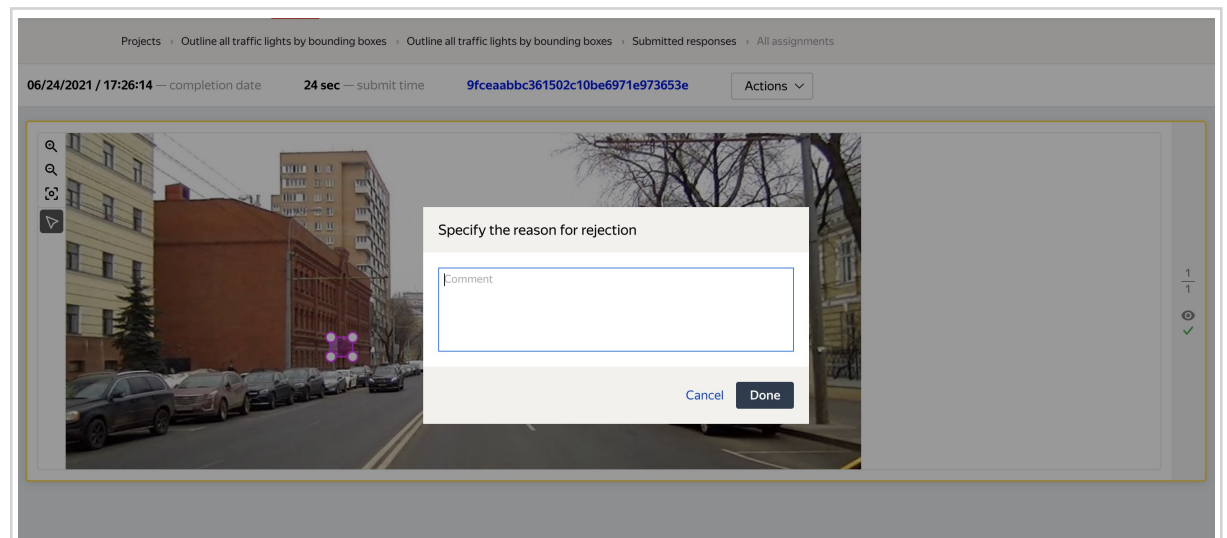
Accept Reject Actions

Response	Performer	Completed	Duration	Status
<input type="checkbox"/> 000181cdd9--60d495ed1e72220e2d538001	9fceaabbc361502c10be6971e973653e	06/24/2021 17:26:14	24 sec	—
<input type="checkbox"/> 000181cdd9--60d495fb17885377169ec6aa	53be9740599d49c1f6d38447d200ddd6	06/24/2021 17:26:21	17 sec	—
<input type="checkbox"/> 000181cdd9--60d495f430b47551777ee9a7	b068badd90666351c693d063d8a05800	06/24/2021 17:26:24	28 sec	—
<input type="checkbox"/> 000181cdd9--60d495fb5545935b0adbc281	dde4e6efb58afd6b552996cc6716506	06/24/2021 17:26:30	26 sec	—
<input type="checkbox"/> 000181cdd9--60d495f9ebb4e9026a9975da	1e1349ac83884b69dfa5549747daa739	06/24/2021 17:26:31	29 sec	—
<input type="checkbox"/> 000181cdd9--60d496082748377ee0b81f9e	9fceaabbc361502c10be6971e973653e	06/24/2021 17:26:31	15 sec	—

3. Check if the task is completed correctly. Click **Reject** or **Accept**.



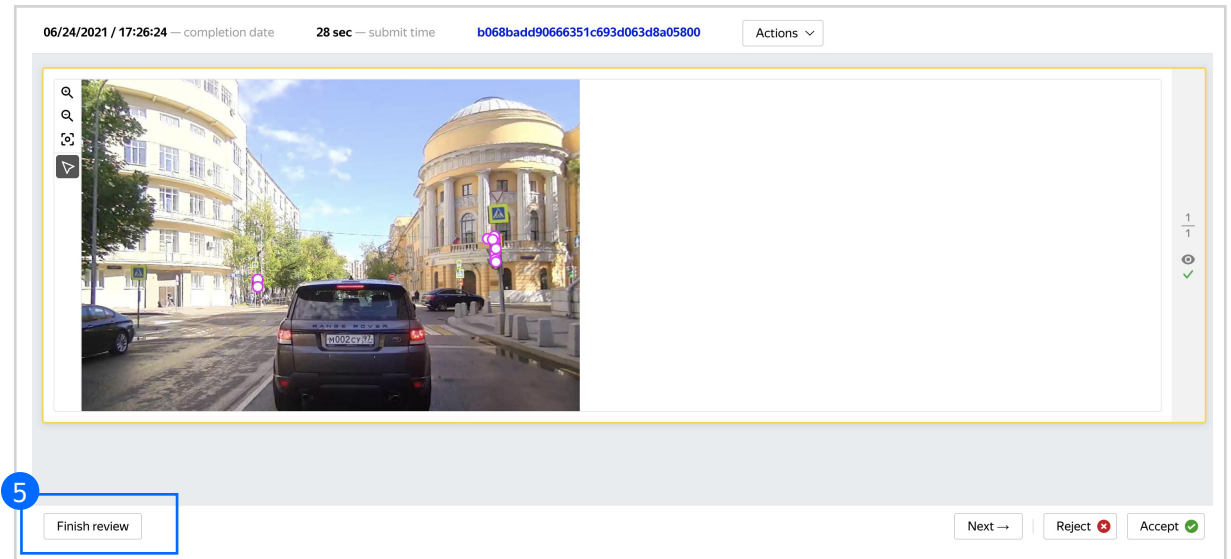
4. If you are rejecting the task, write a comment that explains what was wrong. The performer will see this comment.



5. You can pause the review any time by clicking **“Finish review”**.

Make sure to complete the review within the timeframe specified in the pool (see Step 5 in Pool Creation).

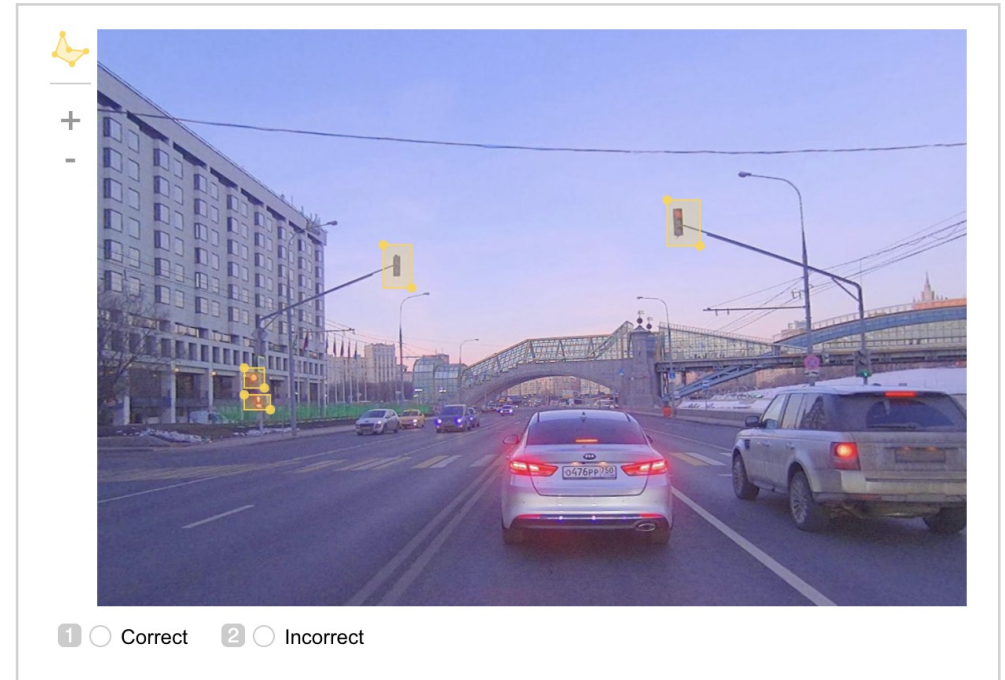
When the time expires, all unreviewed tasks will be accepted automatically.



Automated review

Another way to review tasks is to ask other performers to do that. We recommend this option when you have limited resources for checking tasks yourself.

1. Create a simple **binary classification project** based on our [Binary Classification demo](#). Ask the performers whether the task has been completed correctly.



2. After the answers are collected, go back to the initial pool and upload review results on the **Review assignments** page. The file should contain the acceptance verdict and a comment. A template can be found in the Download results section.

Projects > Outline all traffic lights by bounding boxes > Outline all traffic lights by bounding boxes > Submitted responses

Submitted responses Download results Upload review results

85 Total	85 Submitted	0 Accepted	0 Rejected
-------------	-----------------	---------------	---------------

Appendix

Interface code

Step 4.1.

```
{
  "view": {
    "type": "view.list",
    "items": [
      {
        "type": "field.image-annotation",
        "image": {
          "type": "data.input",
          "path": "image"
        },
        "fullHeight": true,
        "data": {
          "type": "data.output",
          "path": "result"
        },
        "validation": {
          "type": "condition.required",
          "hint": "Please select an area"
        }
      }
    ]
  }
}
```