Real First Task for Python Development

In this document we describe the real first task for Python development. It is called “real” because we want to use the result on our production system (after careful review).

The task requires you to get a basic understanding of what Mentortools is doing. You can sign up at mentortools.sk for free. No credit card required. You will then see what the system looks like from the point of view of a customer.

Your task involves working with an external API and connecting it to Mentortools. It should take between 8 and 12 hours to develop. This task is paid. As agreed before with Jakob, send your invoice after completing the task to Jakob.

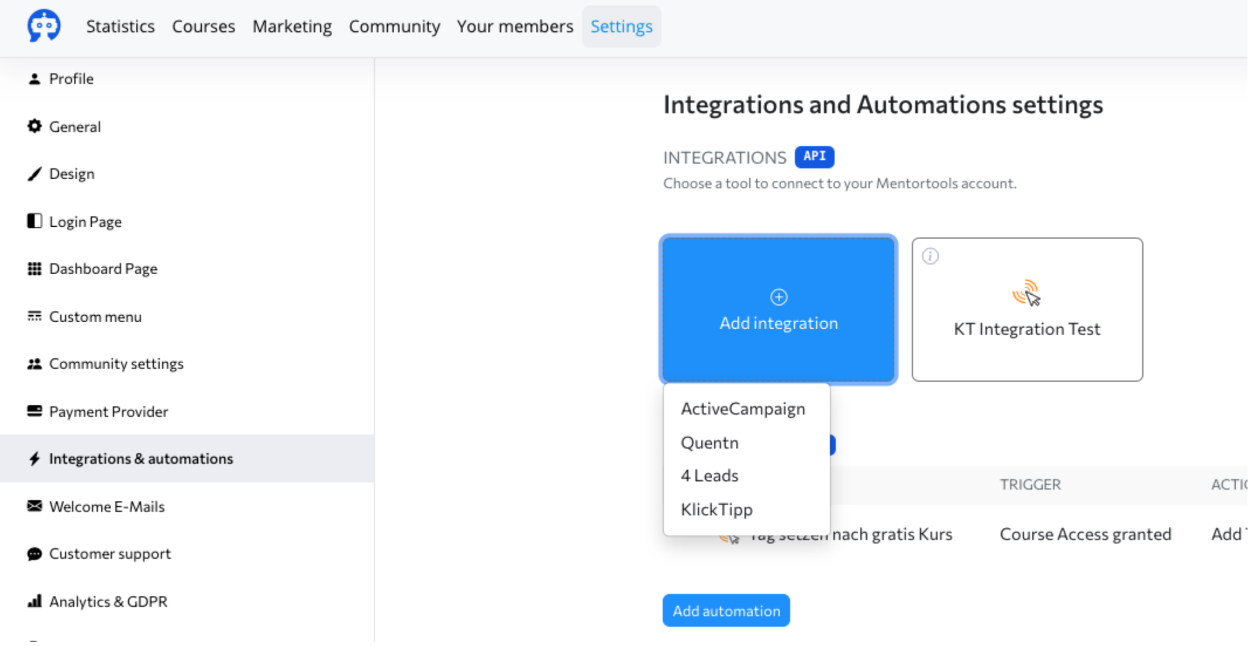
If this task passes code review, we can proceed to working together in the long run.

Task Explanation

Mentortools can be connected with ESPs (email service providers). When an end user (this is the user of our customer) signs up at a membership area on mentortools, we can automatically transfer this user to an ESP, so that this system receives first name, last name and email address.

We have a feature that is called “Integrations & Automations”. Integration is connecting Mentortools to an ESP. Automation means that we have certain conditions when a user is sent to an ESP, e.g. when the user has started a course or finished a course.

The feature looks like this:



Integrations and Automations settings

Choose a tool to connect to your Mentortools account.

	TRIGGER	ACTI
Tag setzen nach gratis Kurs	Course Access granted	Add

We currently have 6 ESPs connected:

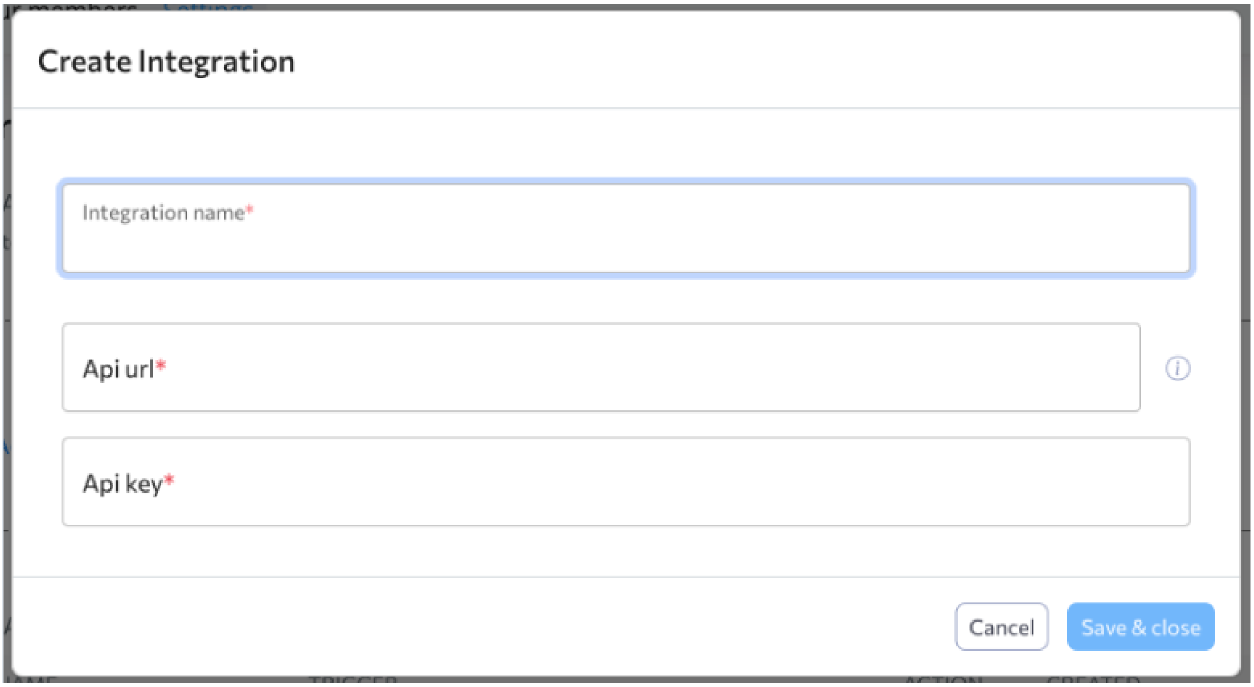
- ActiveCampaign
- Quentn
- 4Leads
- KlickTipp
- SendinBlue
- Getresponse

We need to add several more ESPs:

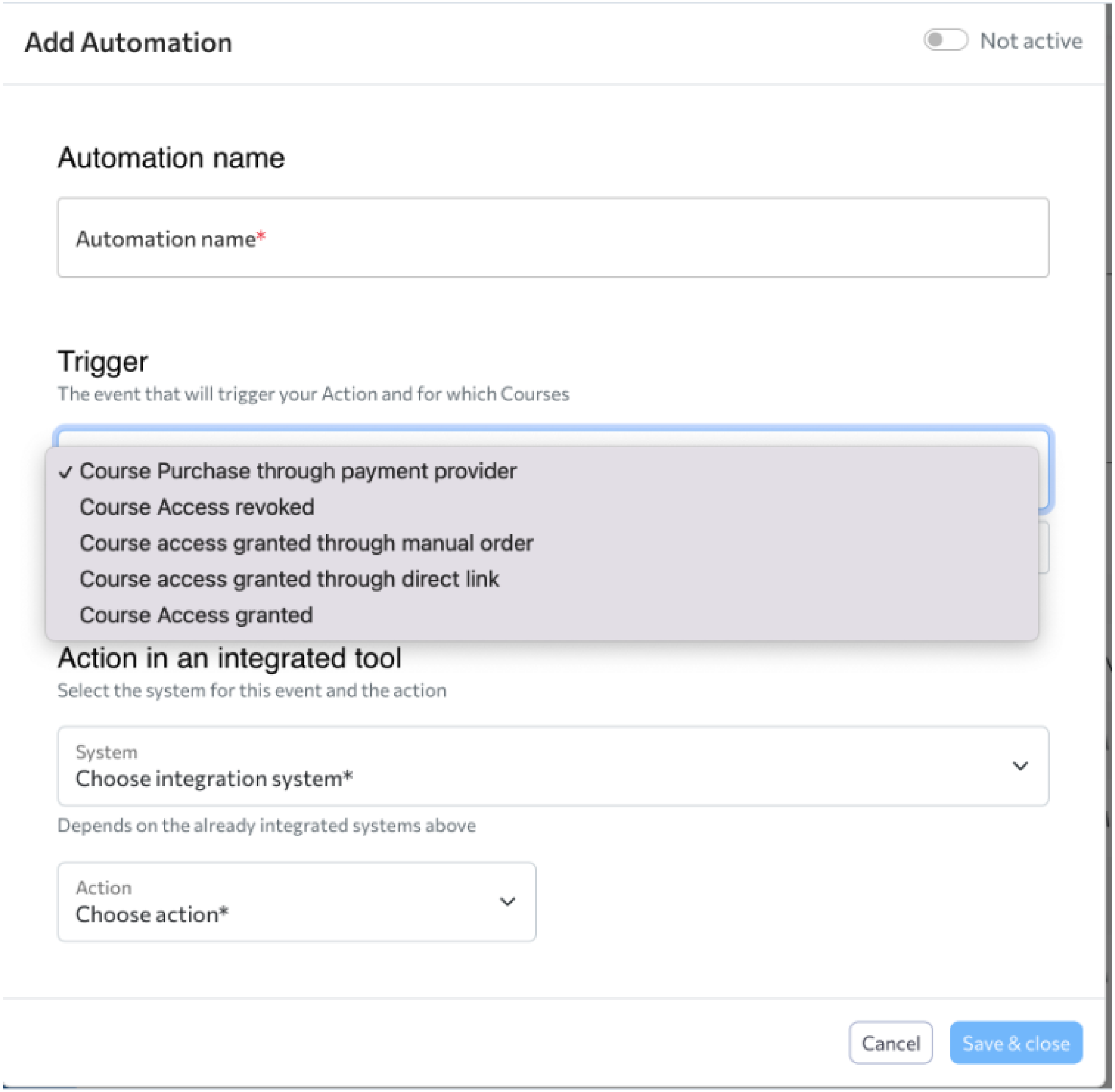
- Mailchimp
- Mailerlite
- Smartemailing.cz
- Mailingboss
- Zoho Mail

Your task is to implement the **Mailingboss** connection into Mentortools. Mailingboss is the email system of a software called BuilderAll. Here you can find some information about an integration: https://knowledgebase.builderall.com/docs/how-to-set-up-mailingboss-integration-in-woocommerce/ You need to do basic research and find out how the API works. You can ask the support of Builderall or create a test account there.

A connection with an ESP always requires an API connection:



The automation has a trigger (e.g. user started a course) and an action (send user to ESP ActiveCampaign and set a “tag” there).



Add Automation

Automation name

Automation name*

Trigger

The event that will trigger your Action and for which Courses

Action in an integrated tool

Select the system for this event and the action

System
Choose integration system*

Depends on the already integrated systems above

Action
Choose action*

Not active
✓ Course Purchase through payment provider
Course Access revoked
Course access granted through manual order
Course access granted through direct link
Course Access granted
Cancel
Save & close

Your task is to create an integration with an ESP which has the same functionality as Quentn or the other existing connections. You do not need to develop any UI, since the UI already exists. Our users use different ESPs and want us to integrate all of them.

This task was chosen for you because it requires developing a useful function, but the task is very standardized; there are templates and it does not require a deep understanding of the core functionality and code of Mentortools. It’s a great first task.

Step by Step Process

1. Please contact us on telegram by adding @jakobhag and @kozubigor on telegram. Please also send us your github name. We will then invite you to a telegram group.

2. **Part One**: Create a Connector to a third-party system using the official API/documentation on the third-party system's website. Result: a connector which makes requests to the third-party system (without service development, without receiving messages). For this task you do not yet need access to your codebase. Focus on the task and write a script that connects with the external API.
   Ask questions in the telegram group if anything is unclear.

3. Upload your code to an external Git and post the link in the telegram group.

4. After we checked the result of “Part One”, we provide access to our code of a previously developed Service for integrations in our Git.
   For example, it could be a ready-made service like: klicktipp_connector/wiki.

5. **Part Two.** Create a Service on the provided example in our Git and integrate the Connector from Part one of the test task into Service. Note: the code should be asynchronous (this is important). If you have questions, ask in the group. It’s not a problem. Everyone will have questions.

6. Upload the result of his Service-Connector to our Git.

7. We also review the result and give final feedback.

This task should take between 8-15 hours to complete. Some APIs are more complex, others are easier. This is not a competition. If you have questions, please ask in our telegram group.