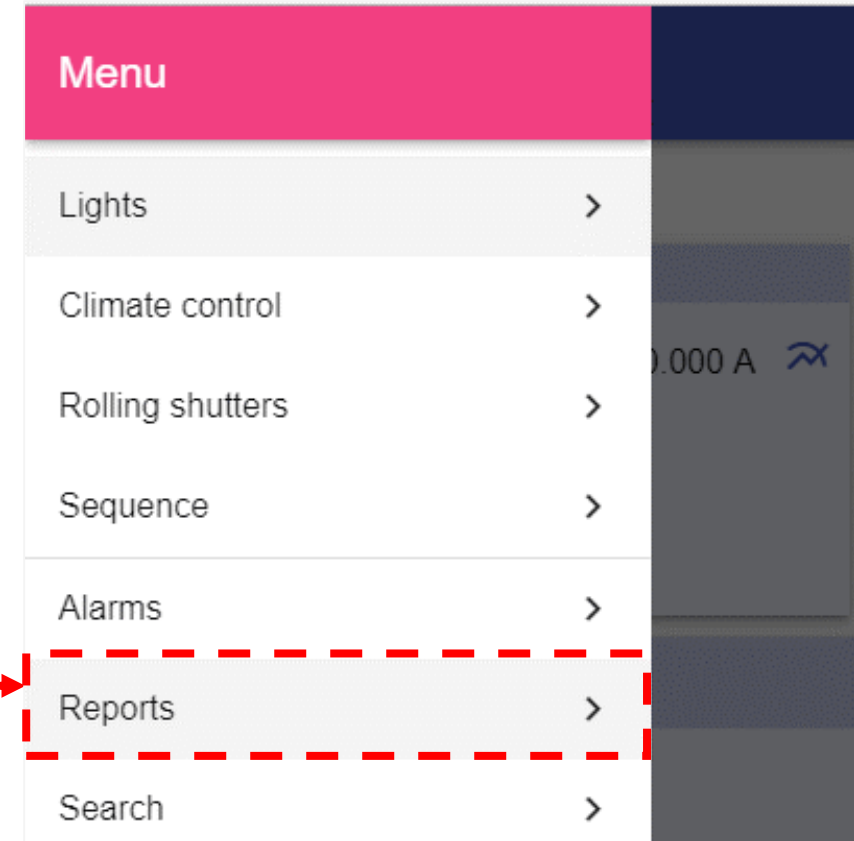
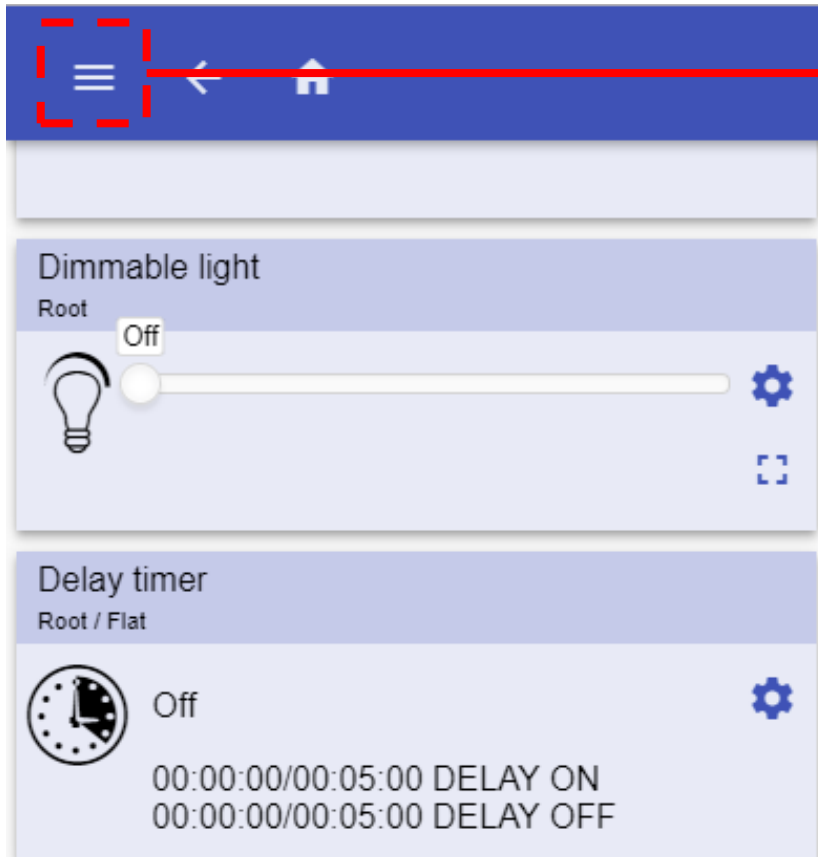


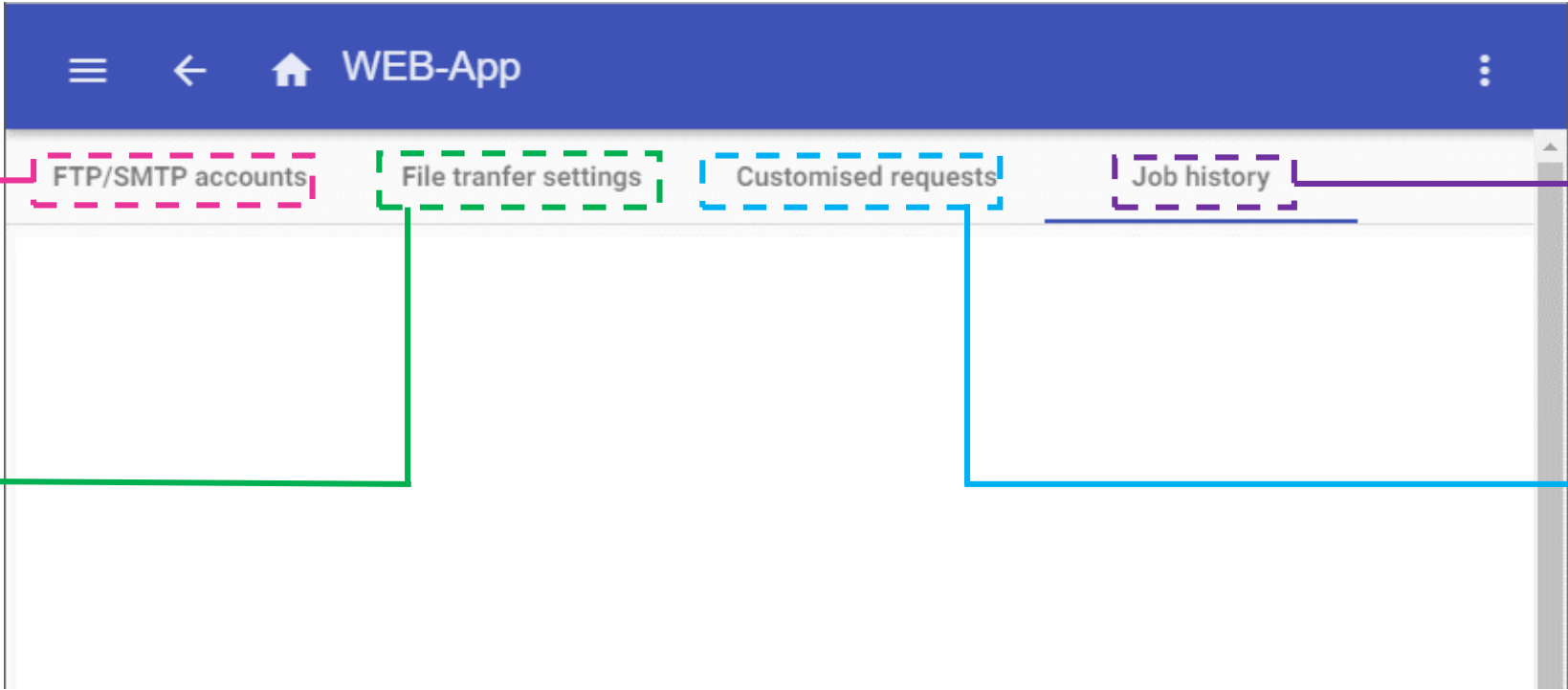
REPORT – Job History

1) Click the Menu button to enter the left side menu



2) Click on *Reports* tab to access to enter the *Report menu*

REPORT – Main page



The user can manage the FTP/SMTP accounts that can be used to send the Report according to time schedulers

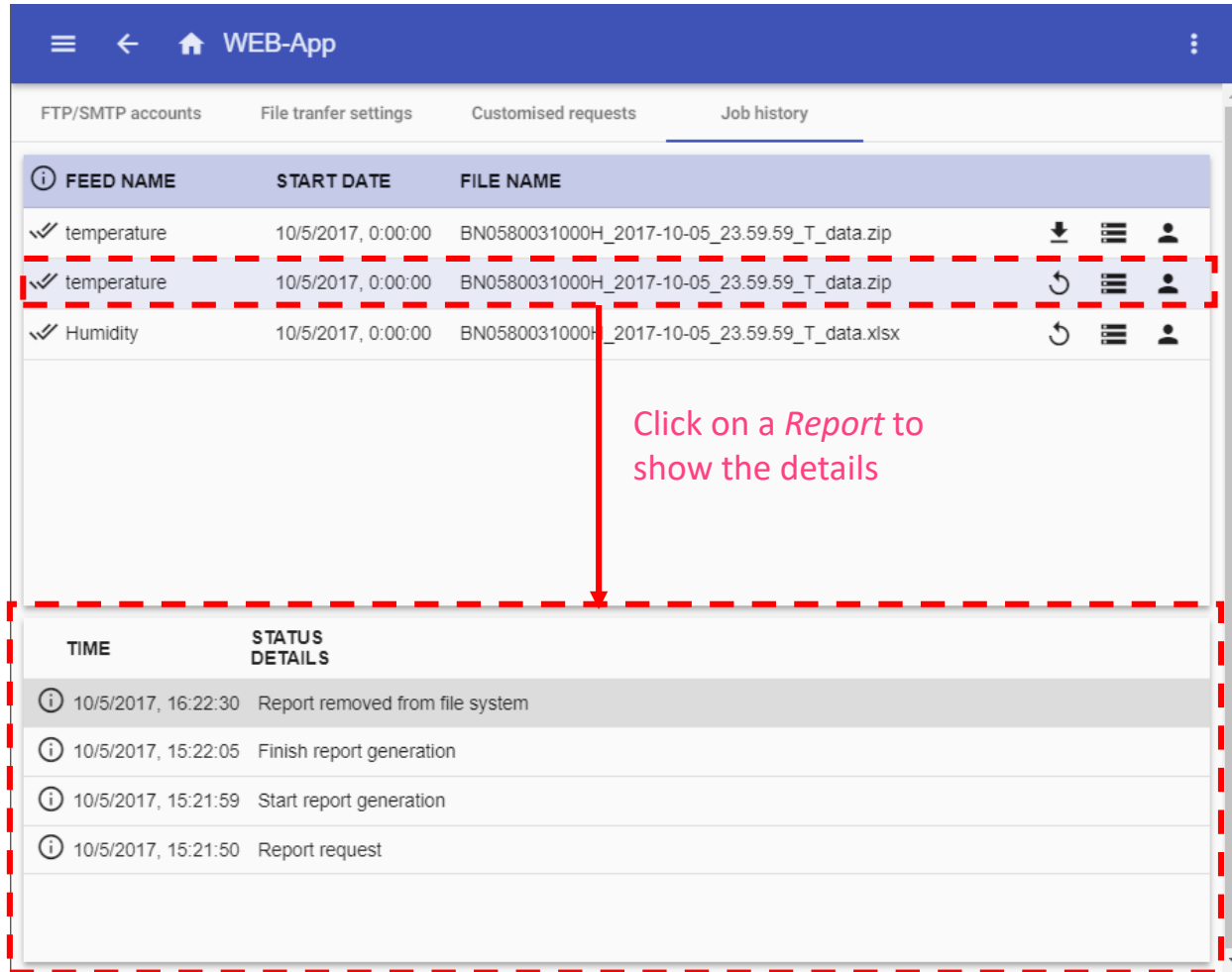
The reports can be generated automatically according to time schedulers

The user can check the list of Reports which have already been generated

The user can create new Reports manually

REPORT – Job History

The **Job history** page shows the list of the Reports which have been generated.



WEB-App

FTP/SMTP accounts File transfer settings Customised requests **Job history**

FEED NAME	START DATE	FILE NAME			
✓ temperature	10/5/2017, 0:00:00	BN0580031000H_2017-10-05_23.59.59_T_data.zip	↓	☰	👤
✓ temperature	10/5/2017, 0:00:00	BN0580031000H_2017-10-05_23.59.59_T_data.zip	↺	☰	👤
✓ Humidity	10/5/2017, 0:00:00	BN0580031000H_2017-10-05_23.59.59_T_data.xlsx	↺	☰	👤

Click on a Report to show the details

TIME	STATUS	DETAILS
10/5/2017, 16:22:30	Report removed from file system	
10/5/2017, 15:22:05	Finish report generation	
10/5/2017, 15:21:59	Start report generation	
10/5/2017, 15:21:50	Report request	

For each Report the user can perform the following actions:



Download the selected *Report*



Re-generate the selected *Report*

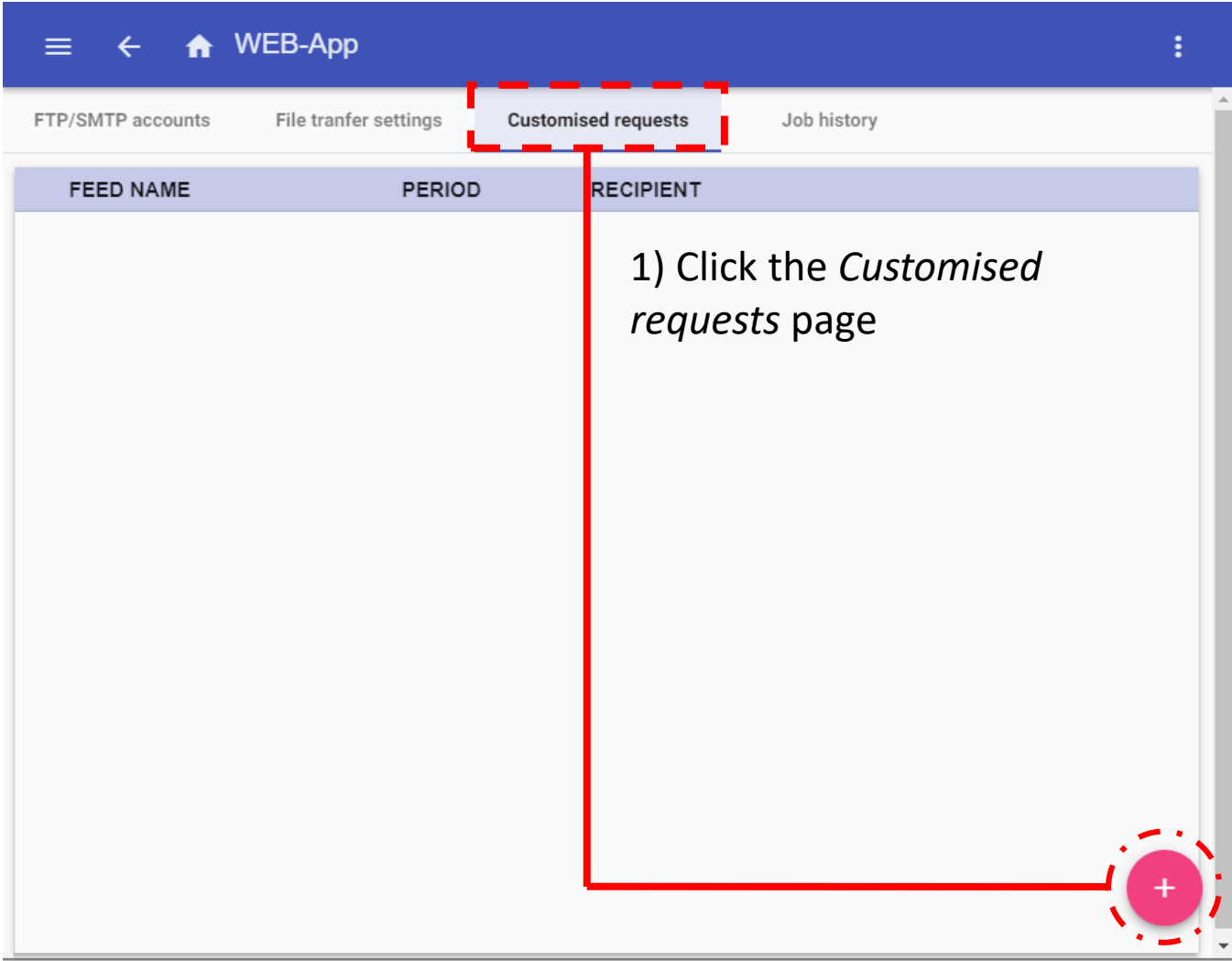


Show/hide the details for the selected *Report*



Show/hide the details for the selected *Report*

REPORT– How to create a new customized request



1) Click the *Customised requests* page

2) Click the + rounded button to create a new request

REPORT - How to create a new customized request

3) For each request the user has to enter the following information:

The screenshot shows a web application interface for creating a report. The interface is titled "WEB-App" and contains several form fields and buttons. The fields are:

- Feed name:** A text input field.
- Data content:** Radio buttons for "History" (checked) and "Events".
- File format:** Radio buttons for "xlsx", "csv", and "xml" (checked), and a checked "Compress" checkbox.
- Name layout:** Radio buttons for "Device first" (checked) and "Time first".
- Recipient:** A dropdown menu set to "Local".
- Data period:** A dropdown menu set to "Daily".
- Start date:** A calendar icon and the date "10/4/2017".
- Start time:** A clock icon and the time "0:00".
- End time:** A clock icon and the time "23:59".
- Select parameters:** A checkbox for "All variables" and a text input field labeled "Select parameters".
- Buttons:** "Build file", "Save and build", "Save template", and "Cancel".

Feed name: In this field the user can enter the name of the report that will be generated

Data content: History/Events: the user has to select what kind of logged file has to be sent

File format: The type of file the user wants to receive when the report is generated, XLSX, CSV or XML. Select Compress to save the report in a zip archive

Name layout: For example, if *Device first* is selected, the name of the file will be the following: **Sx2WEB Serialnumber_2017-10-08_15.28.01_S_data.zip**
If *Time first* is selected, the file will be named:
2017-10-08_23.59.59_Sx2WEB Serialnumber _T_all.zip

Recipient: The user can select the destination recipient, can be saved locally or pushed in a ftp server or by email

Data period: The user can define the period that the report has to be generated

Select parameters: The user has to select the parameters has to consider for the report

Build file: The report will be generated immediately

Save and build: The report will be saved and generated

Save template: The template will be only saved

REPORT - How to create a new scheduled activity

The Job history page shows the list of the reports that have been generated.

Enable scheduler Disable Enable

Data content History Events

File format xlsx csv xml Compress

Name layout Device first Time first

Recipient

First delivery date 10/5/2017, 16:06

Interval time (Minutes) 5

Save template Cancel

For each request the user has to enter the following information:

Enable scheduler: In this field the user can enter the name of the report that will be generated

Data content: History/Events: the user has to select what kind of logged file has to be sent

File format: The type of file the user wants to receive when the report is generated, XLSX, CSV or XML. Select Compress to save the report in a zip archive

Name layout: For example, if *Device first* is selected, the name of the file will be the following: ***Sx2WEB Serialnumber_2017-10-08_15.28.01_S_data.zip***
If *Time first* is selected, the file will be named: ***2017-10-08_23.59.59_Sx2WEB Serialnumber_T_all.zip***

Recipient: The user can select the destination recipient, can be saved locally or pushed in a ftp server or by email

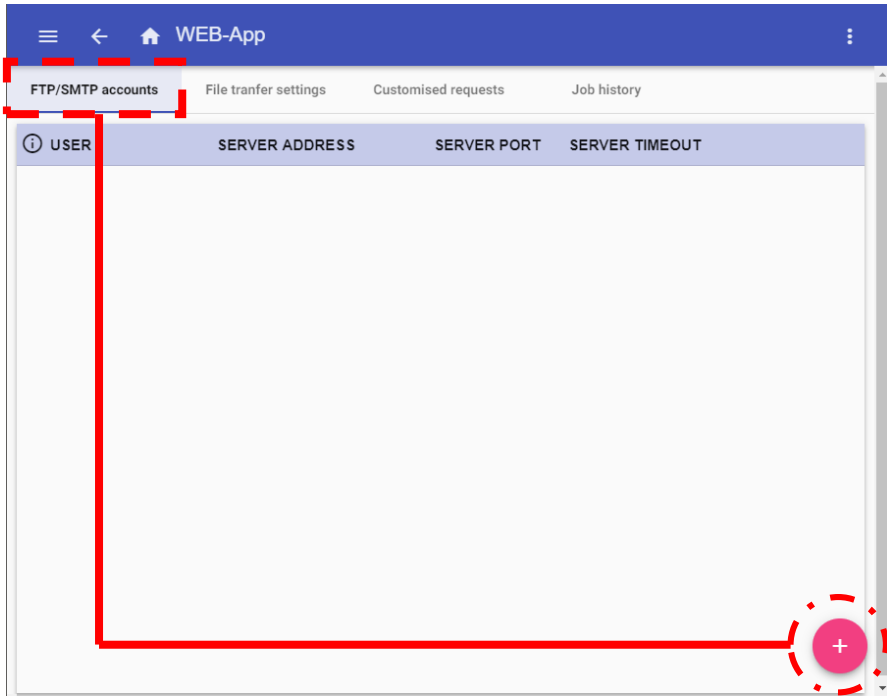
First delivery date: The user can define the date and time at which the report has to be sent

Interval time (Minutes): The user has to define how often the file has to be sent

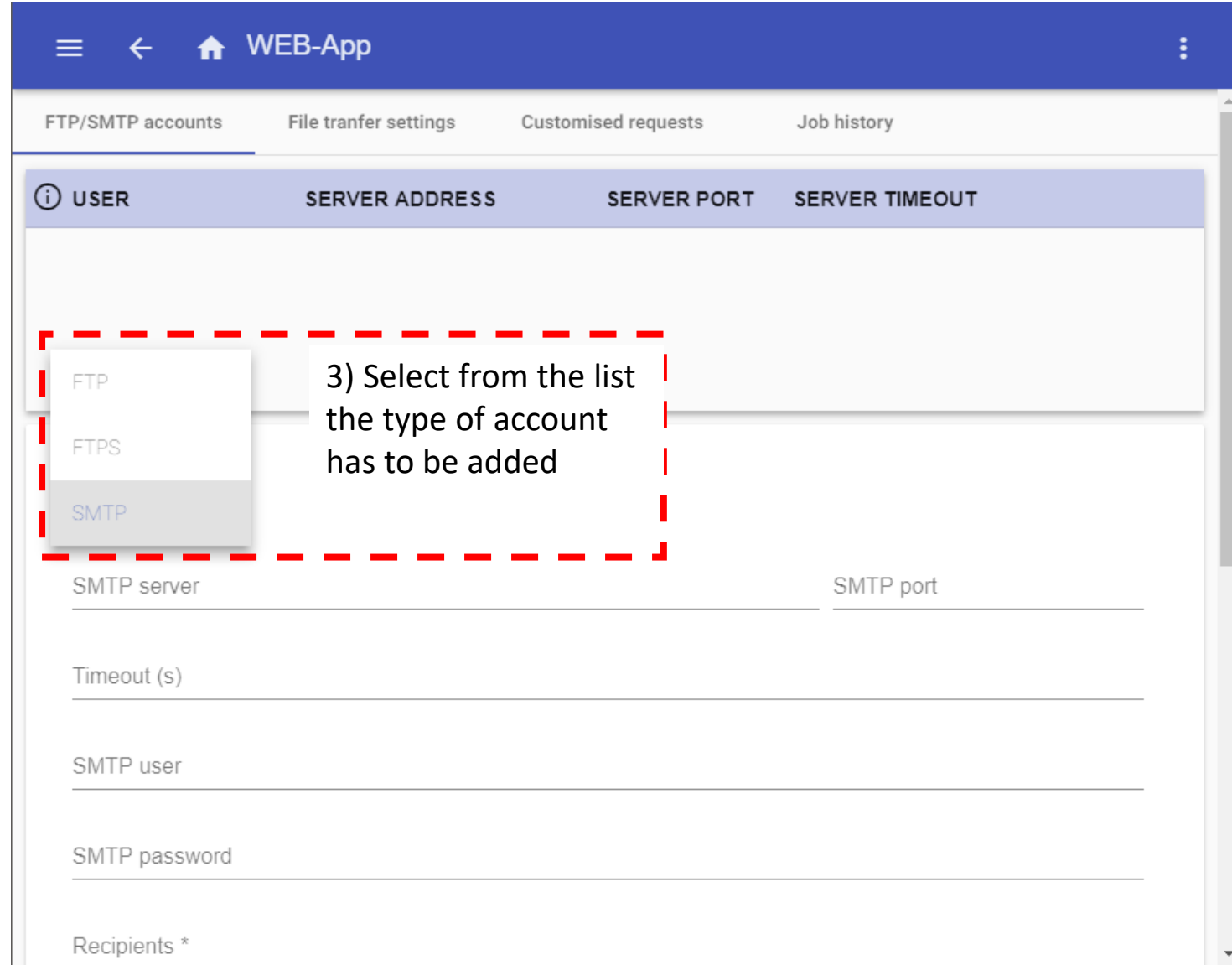
Click on **Save template** button to store the settings

REPORT - FTP/SMTP accounts

1) Click the *FTP/SMTP accounts* page



2) Click the + rounded button to enter in edit mode



REPORT– How to add a new FTP account

The FTP account can be used to send Reports file automatically according to time schedulers

The screenshot shows a mobile application interface titled 'WEB-App'. It features a form for configuring an FTP account. The form includes the following fields:

- Account type: FTP (selected from a dropdown menu)
- FTP server * and FTP port: Two input fields for the server address and port.
- Timeout: An input field for the connection timeout in seconds.
- FTP user: An input field for the FTP username.
- FTP password: An input field for the FTP password.
- FTP remote directory: An input field for the directory path on the FTP server.
- User: An input field for the user credentials.
- Password: An input field for the password credentials.

At the bottom of the form, there are two buttons: 'Save template' and 'Cancel'. The 'Save template' button is highlighted with a red rectangular box, and a red arrow points from this box to the right, towards the explanatory text.

FTP server: this field has to be filled in with the address of the FTP server to which the system has to send the file

FTP port: usually the FTP service uses port **21**, however, the port that the server listens on for FTP connections can be any port not already reserved for another service, and this is also configured by the server administrator.

Timeout: Specifies the timeout, in seconds, that the FTP account will try to connect to the FTP server before timing out.

FTP user and password: valid credentials to access the remote FTP directory

FTP remote directory: this field contain the directory of the FTP server where the reports have to be stored

User and password (FTP pull services): valid credentials for FTP pull services

Save template: Click on Save template to store the FTP account

REPORT– How to add a new FTPS account

The FTPS account can be used to send Reports file automatically according to time schedulers

The screenshot shows a web application interface for configuring an FTPS account. The top navigation bar is blue with a home icon and the text 'WEB-App'. Below the navigation bar, there is a form with the following fields:

- Account type:** A dropdown menu with 'FTPS' selected.
- FTP server *:** A text input field.
- FTP port:** A text input field.
- Timeout:** A text input field.
- FTP user:** A text input field.
- FTP password:** A text input field.
- FTP remote directory:** A text input field.
- User:** A text input field.
- Password:** A text input field.

At the bottom right of the form, there are two buttons: 'Save template' and 'Cancel'. The 'Save template' button is highlighted with a red rectangular box. A red arrow points from this box to the text 'Save template: Click on Save template to store the FTPS account' located below the form.

FTP server: this field has to be filled in with the address of the ftp server to which the system has to send the file

FTP port: usually the FTPS service uses port **22**, however, the port that the server listens on for FTP connections can be any port not already reserved for another service, and this is also configured by the server administrator.

Timeout: Specifies the timeout, in seconds, that the FTPS account will try to connect to the FTP server before timing out.

FTP user and password: valid credentials to access the remote FTP directory

FTP remote directory: this field contain the directory of the ftp server where the reports have to be stored

User and password (FTPS pull services): valid credentials for FTP pull services

Save template: Click on Save template to store the FTPS account

REPORT– How to add a new SMTP account

The SMTP account can be used to send Reports file automatically according to time schedulers

The screenshot shows a web application interface for configuring an SMTP account. The interface is titled 'WEB-App' and features a blue header. Below the header, there is a dropdown menu for 'Account type' set to 'SMTP'. The main form contains several input fields: 'SMTP server', 'SMTP port', 'Timeout (s)', 'SMTP user', 'SMTP password', 'Recipients *', 'Sender name', 'Sender email', 'Email subject', 'Email text', 'User', and 'Password'. At the bottom of the form, there are two buttons: 'Save template' and 'Cancel'. A red box highlights the 'Save template' button, and a red arrow points from it to the text below.

SMTP server: The user must complete *SMTP server* with the address of the server used for sending the email.

SMTP port: usually the mail service uses port 25, although some providers have changed this port to another one in order to limit SPAM: for example the GMAIL account uses port 587.

Please check the provider requirements when configuring a SMTP account.

Timeout(s): Specifies the timeout, in seconds, that the SMTP account will try to connect to the SMTP server before timing out.

SMTP user : The user must complete *SMTP server username* with the email address used for sending the email.

SMTP password: The user must complete *Server SMTP password* with the password for the email account.

Recipients: The email address of the receiver(s).

Sender name: The user must enter the *Sender name* by typing the name used for the sender (e.g. *Web-app*).

Sender email: This contains the address the email is sent to.

Email subject: The user must complete *Subject* with the name used as the subject for outgoing emails.

Email text: in this field the user can type a text which informs the receiver about the content of the Report file(s).

User and password (FTP pull services): valid credentials for SMTP pull services

Save template: Click on Save template to store the FTP account