

Amos Xcerlerator Demo - User Documentation

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1 User Documentation

state of the document 04.06.24 before the merging of front and backend this document is not final.

1.1 Overall Functionality

The Xcelerator Demo Application is a web application, which simulates the functionality of the Siemens Xcelerator platform. This platform allows the management of facilities and the IOT devices which are part of the facility. The website enables the user to inspect the data of the individual devices inside. This data includes for example the temperature of water flow. The user is able to navigate the beside by using the icons on the left bar menu, as well as clicking the back button in the header and clicking on the individual breadcrumbs.

1.2 Homepage

The first picture shows the Homepage, it is the landing page after the login.

1.3 Facilities

This part of the documentation shows what type of facilities are available to the user. Every facility consists of one pump and the corresponding pump data.

1.3.1 Facilities Overview

The facilities overview shows all the facilities, which available. This page can be reached by clicking the building icon on the left side. The overview is a card list as a default but can be changed to a list view when the button is clicked. The list view is clearer for more items.

In the screenshot, we can see the card view and the information displayed for every facility. These include name, number of issue attributed to the pump and the location. The individual cards can be clicked to show more information.

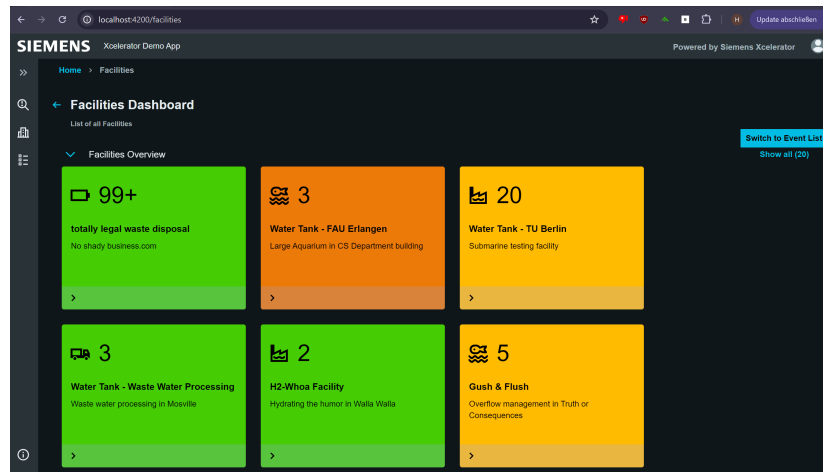


Figure 1: Facility dashboard

Shows the different facilities in the list view mentioned earlier, and the advantage when assessing multiple facilities. Every list item is as clickable as the different cards of the cards view.

1.3.2 Facilities with Issues

The facilities with issues page shows the number of facilities, which have an issue. An issue can indicate, for example, a faulty or defective pump. This page can be accessed via the icon showing the magnifying glass with the exclamation mark. It displays the all the facilities which have a warning or are in critical condition. The layout is the same as the "Facility Overview".

1.3.3 Facility data

The User is able to show the individual data of a given pump, this includes the temperature and flow rate. The page also displays the information about how ecological the facility is. It furthermore enables the user to unlock the facility, e.g. for a technician or facility manager. In addition, it is possible to create a new case for the selected facility in this details page. This link redirects the user to the "Create Cases" page. For more information, see the corresponding section.

In the picture, we can see the first two graphs showing the pump data. These are the flow rate of the pump and the humidity in the proximity of the pump. The second picture regarding the pump data shows the section of the website which allows the user to open the door to the facility, this is important as the user needs to be able to give access to the building for the maintenance crew. It further shows the shortcut which allows the user to create and issue for the selected facility.

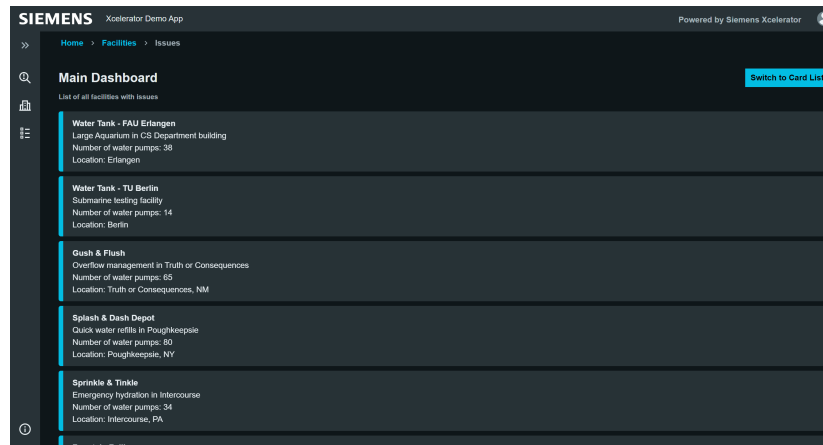


Figure 2: Facility dashboard list view



Figure 3: Pump data graphs

1.4 Cases

Cases enable the user to schedule a case for e.g. technicians to inspect a given facility and pump. This case contains information such as the name and ID of the facility, the email and telephone number etc.

1.4.1 Open Cases

By clicking on the cases icon, the user is directed to the page which displays all the currently open cases. As they were described in the last paragraph. This page shows the information, which was submitted in the Create Cases section. It further shows a unique identifier and a title for the case, as well as a due date. This site also contains a shortcut to open a new case.

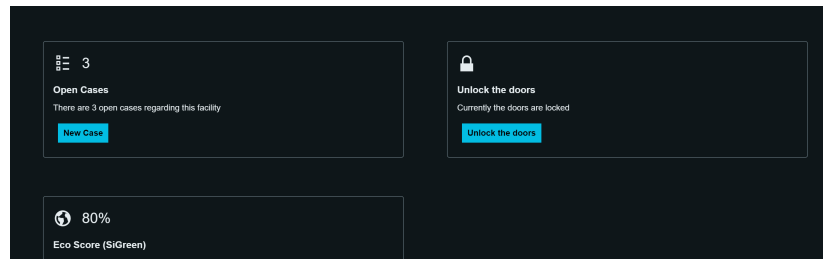


Figure 4: Further pump data

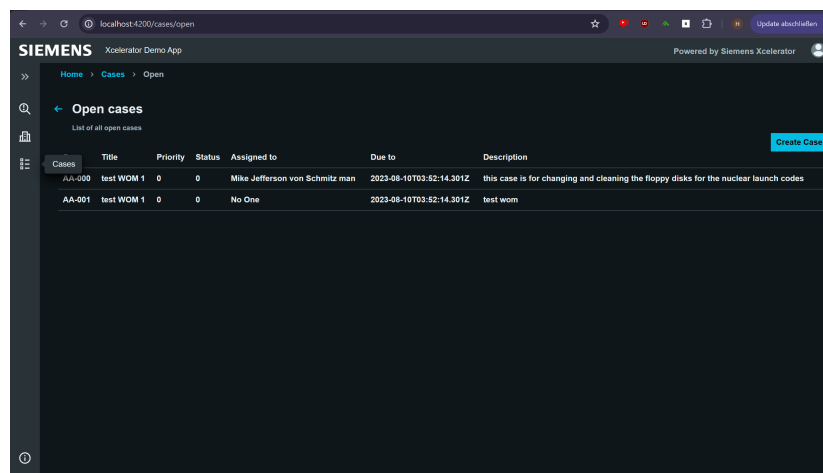


Figure 5: Open cases

1.4.2 Create Cases

This page allows the user to create new cases which are saved. The creation allows the user to fill in the date, these are: Selecting a facility - which is the subject for the case Adding a phone number - for the staff to call in case of complications Adding an email address - for the same purpose Additional Information - to give further intel on the case

1.4.3 Case Detail

Once the user clicks on an individual case, the information is displayed as they were described in the previous sections. Displays the same information as the open cases page. However, not inform of a list, but in a card view. This page is mainly for readability.

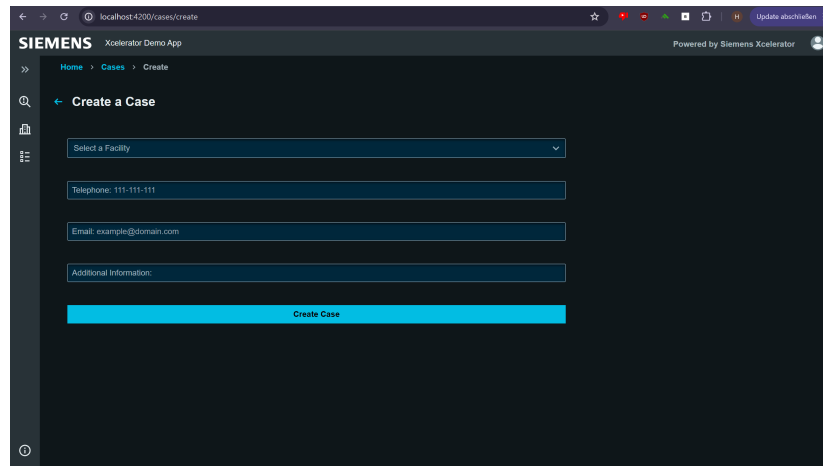


Figure 6: Create cases

1.5 Login

The login page allows the user to log in to the page, this includes a login via GitHub button. After the buttons are clicked or the information is typed into the username and password field, the user is redirected to the homepage.

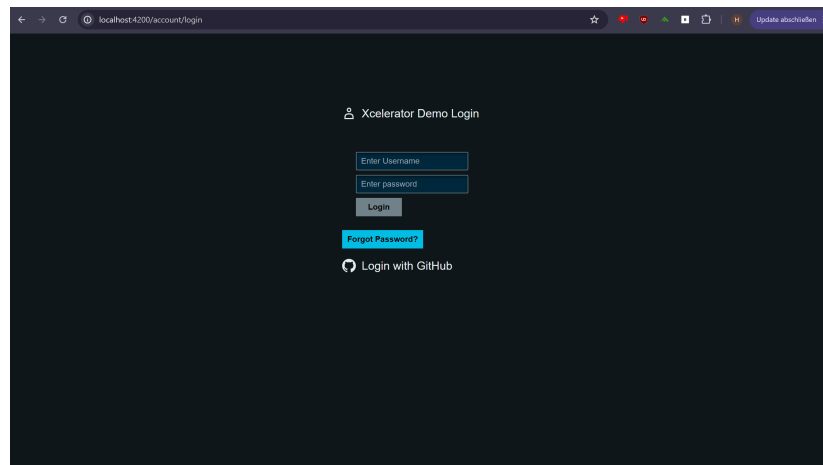


Figure 7: Login