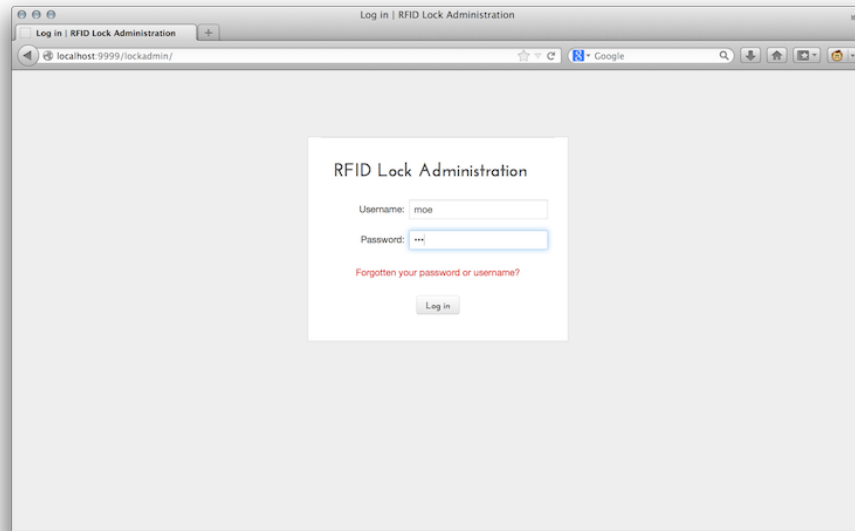


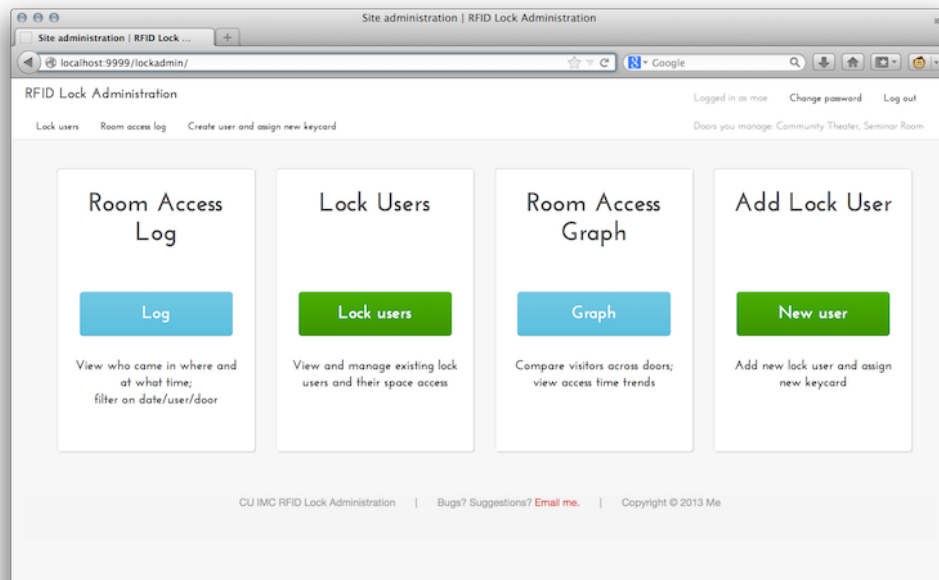
The interface for staff users

Logging in

If you used the fixture `initial.json` for the initial data as described in the Installation section, you can log in as 'moe', password 'moe'.

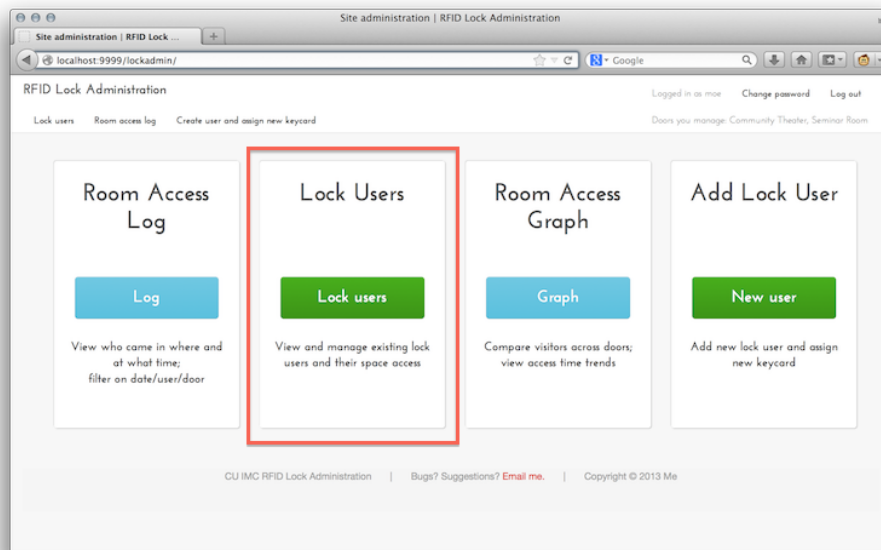


After logging in, you will see the index page, which summarizes the basic tasks a staff user can perform.

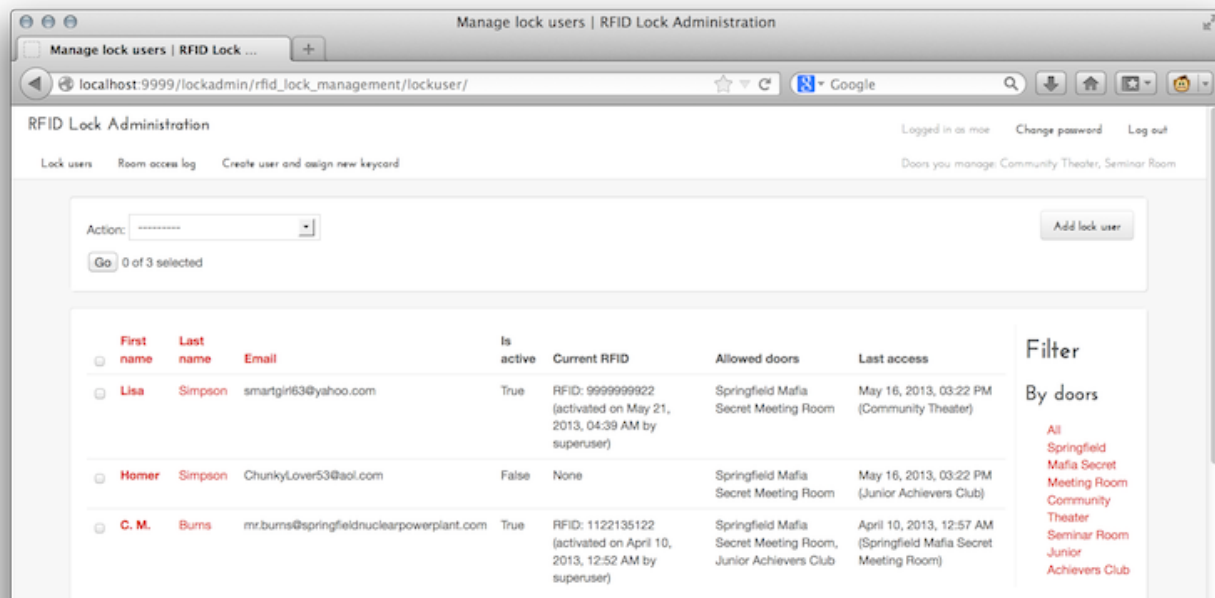


Managing lock users

Click on the “Lock users” button on the main page.



This takes you to the list of lock users. Here you can view, sort/filter, and apply batch actions to lock users.



You can also view/change an individual lock user's information. Clicking "Homer" should take you to a page containing his information:

Change lock user | RFID Lock Administration

localhost:9999/lockadmin/rfid_lock_management/lockuser/2/

RFID Lock Administration

Logged in as moe Change password Log out

Lock users Room access log Create user and assign new keycard

Doors you manage: Community Theater, Seminar Room

History

Lock user / keycard assignment

First name: Homer Last name: Simpson

Email: ChunkyLover53@aol.com

Phone number: 2175553223

Address: 742 Evergreen Terrace, Springfield, IL

Current RFID: None

Last access: May 16, 2013, 03:22 PM (Junior Achievers Club) (View all access times)

Note: this lockuser also has permission to access the following door(s), that you, the staff user, do not have permission to manage:
Springfield Mafia Secret Meeting Room

Doors: ☐ Community Theater ☐ Seminar Room

Select at least one space to activate keycard. Hold down "Control", or "Command" on a Mac, to select more than one.

☐ Deactivate current keycard
Revoke keycard access and deactivate user.

Save Save and add another Save and continue editing

Assign keycard

A staff user may not be able to control access to all doors in the building. For example, staff user Moe can only manage access to the Community Theater and the Seminar Room (the top navbar lists the logged-in staff user's permitted spaces). Homer's keycard, however, can open two additional doors: Springfield Mafia Secret Meeting Room and the Junior Achievers Club. These are listed on the form in the Doors fieldset -- but Moe cannot interact with them.

RFID Lock Administration

Logged in as moe Change password Log out

Lock users Room access log Create user and assign new keycard

Doors you manage: Community Theater, Seminar Room

History

Lock user / keycard assignment

First name: Homer Last name: Simpson

Email: ChunkyLover53@aol.com

Phone number: 2175553223

Address: 742 Evergreen Terrace, Springfield, IL

Current RFID: RFID: 1122135199 (activated on April 10, 2013, 12:53 AM by superuser)

Last access: April 10, 2013, 12:56 AM (Seminar Room) (View all access times)

Note: this lockuser also has permission to access the following door(s), that you, the staff user, do not have permission to manage:
Springfield Mafia Secret Meeting Room, Junior Achievers Club

Doors: ☒ Community Theater ☐ Seminar Room

Select at least one space to activate keycard. Hold down "Control", or "Command" on a Mac, to select more than one.

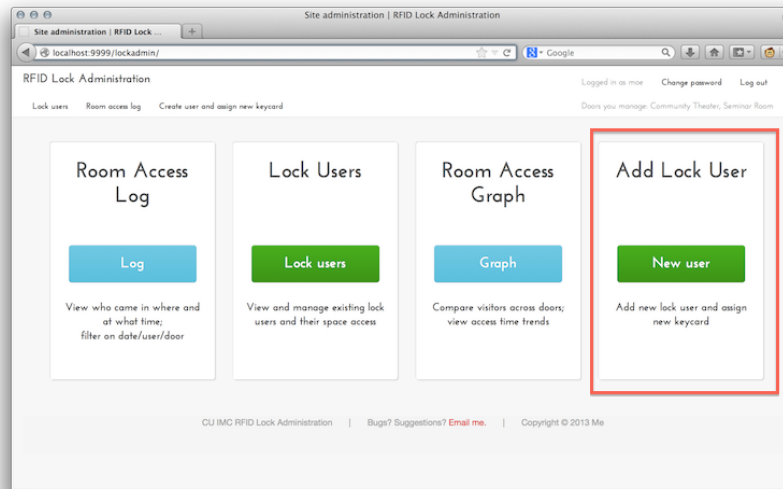
☐ Deactivate current keycard
Revoke keycard access and deactivate user.

Save Save and add another Save and continue editing

Assign keycard

Adding a new lock user and assigning a keycard

Click on the “New user” button on the main page.



This takes you to a blank form. Fill in the user’s information and check at least one door.

A screenshot of the 'Add lock user' form in the 'RFID Lock Administration' system. The form is titled 'Lock user / keycard assignment' and contains several input fields: 'First name' (filled with 'Marge'), 'Last name' (filled with 'Simpson'), 'Email' (filled with 'marge@yahoo.com'), 'Phone number' (filled with '2175553223'), and 'Address' (filled with '742 Evergreen Terrace, Springfield, IL'). There are also fields for 'Current RFID' (None) and 'Last access' (None). Under 'Doors', there are two radio buttons: 'Community Theater' (checked) and 'Seminar Room' (unchecked). Below this, a note says 'Select at least one space to activate keycard. Hold down "Control", or "Command" on a Mac, to select more than one.' At the bottom, there is a checkbox for 'Deactivate current keycard' with the text 'Revoke keycard access and deactivate user.' Below the form are three buttons: 'Save', 'Save and add another', and 'Save and continue editing'. At the very bottom, there is a button labeled 'Assign keycard'.

At this point you can save the new lock user without assigning a keycard. If you want to assign a keycard right away, click “Save and continue editing.” You should see a success message.

The screenshot shows a web browser window titled "Change lock user | RFID Lock Administration". The address bar shows "localhost:9999/lockadmin/rfid_lock_management/lockuser/4/". The page has a header with "RFID Lock Administration" and navigation links: "Lock users", "Room access log", and "Create user and assign new keycard". A green success message states: "The lock user 'Marge Simpson' was added successfully. You may edit it again below." Below this is a "History" section and a "Lock user / keycard assignment" form. The form contains the following fields and options:

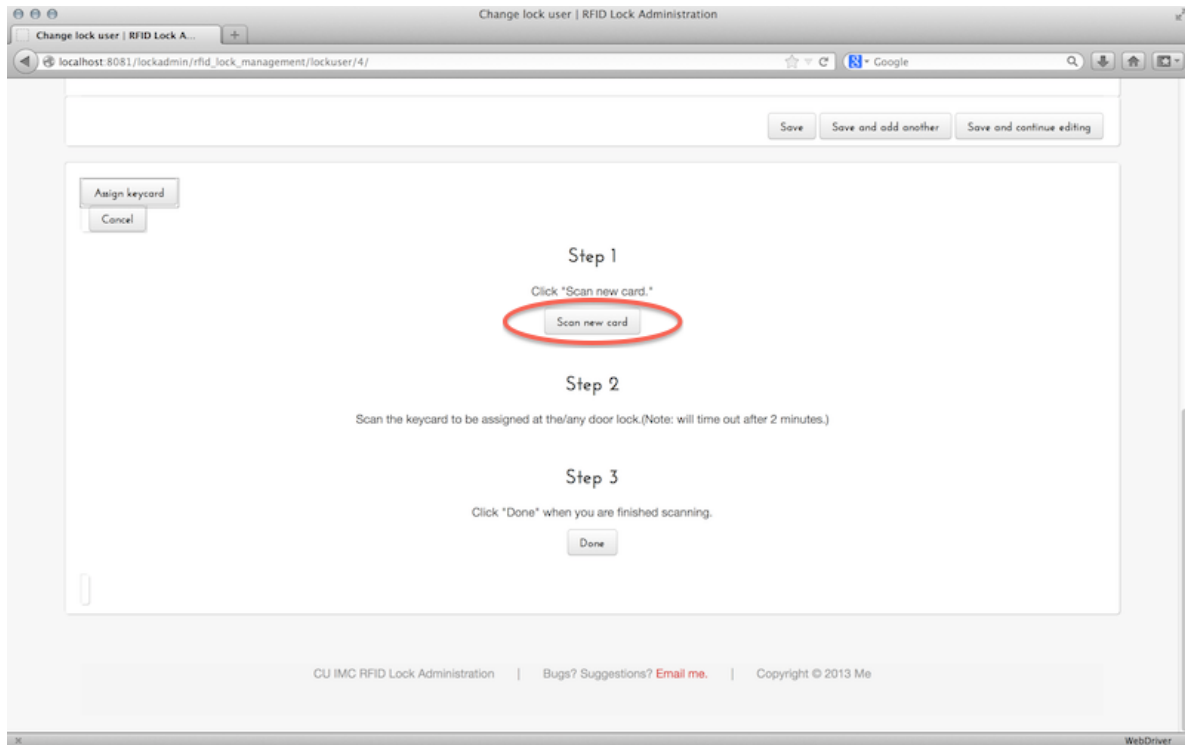
- First name: Marge
- Last name: Simpson
- Email: marge@yahoo.com
- Phone number: 2175553223
- Address: 742 Evergreen Terrace, Springfield, IL
- Current RFID: RFID: 9999999923 (activated on May 30, 2013, 12:09 AM by moe)
- Last access: (None)
- Doors: ☒ Community Theater, ☐ Seminar Room. Below this is the text: "Select at least one space to activate keycard. Hold down 'Control', or 'Command' on a Mac, to select more than one."
- ☐ Deactivate current keycard. Below this is the text: "Revoke keycard access and deactivate user."

At the bottom of the form are three buttons: "Save", "Save and add another", and "Save and continue editing". Below the form is a section with an "Assign keycard" button.

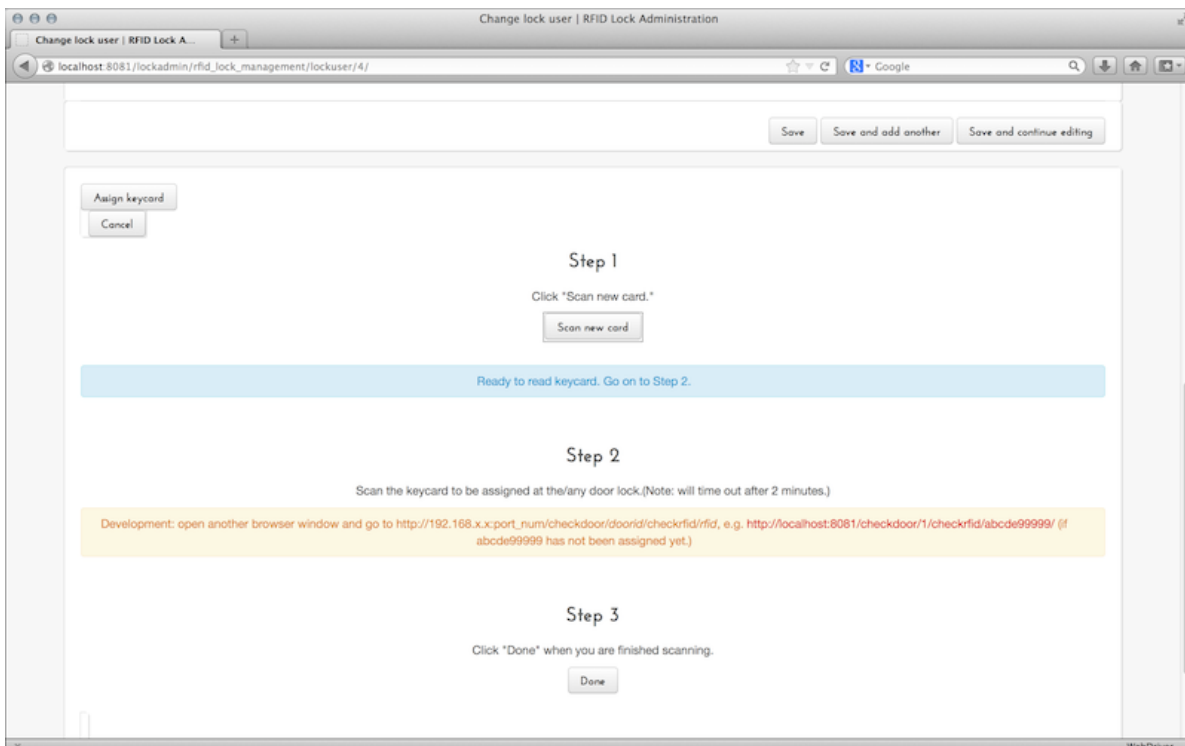
Scroll down and click on “Assign keycard.”

This is a close-up screenshot of the bottom portion of the form shown in the previous image. It highlights the "Assign keycard" button, which is circled in red. Above the button are the "Deactivate current keycard" option and its description, and the "Save", "Save and add another", and "Save and continue editing" buttons. At the very bottom of the page, there is a footer with the text: "CU IMC RFID Lock Administration | Bugs? Suggestions? Email me. | Copyright © 2013 Me".

This will reveal the instructions for assigning a new keycard. Click on “Scan new card.”



At this point you will see a message telling you to go ahead and scan the card, along with additional instructions that describe how to simulate scanning a keycard through an RFID scanner dedicated to keycard assignment -- since for the purposes of this demo we cannot involve any external devices.



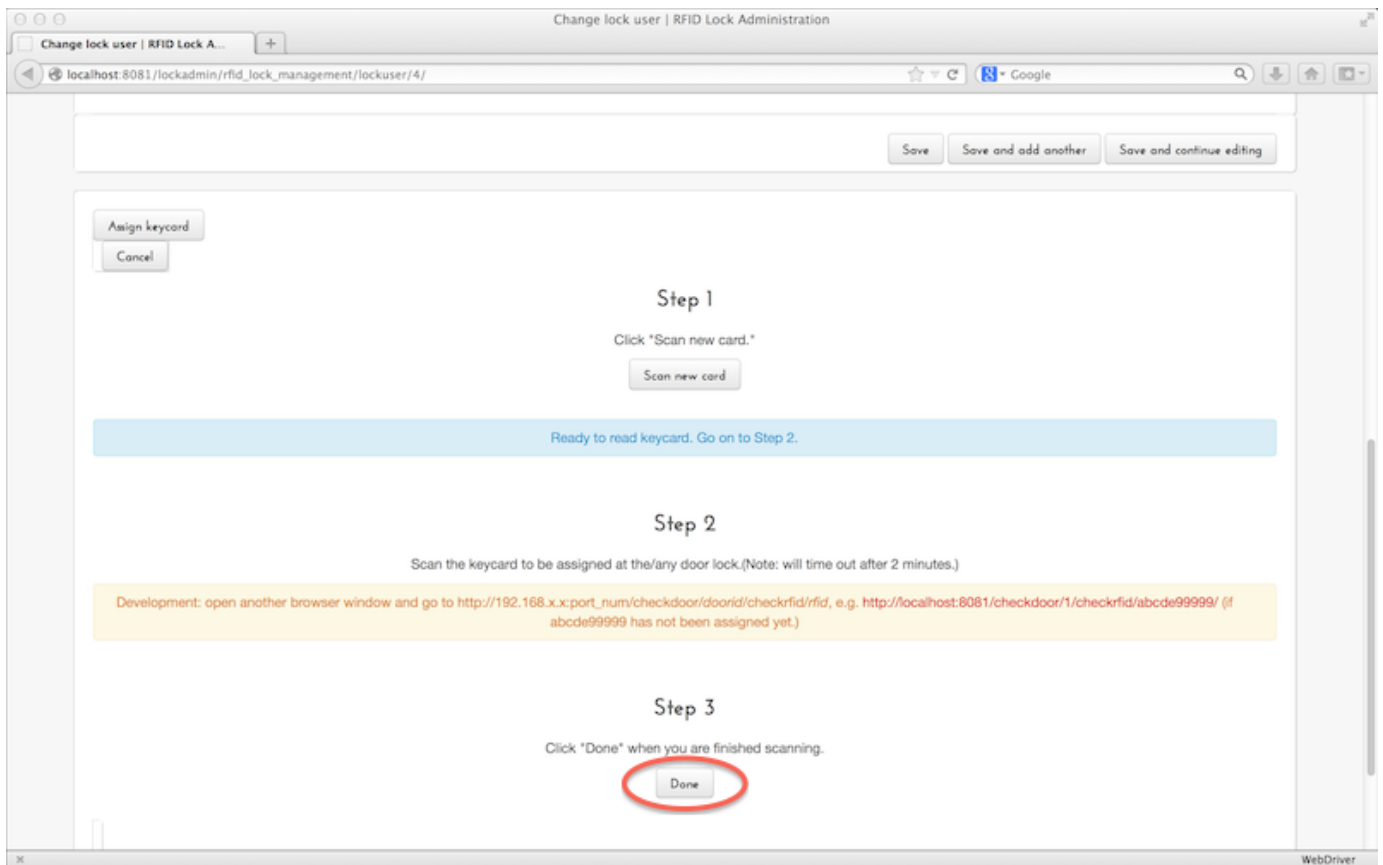
Follow the instructions in the yellow message box and visit the appropriate URL to simulate keycard scan. For example, if you are running the development server with the command

```
$ python manage.py runserver
```

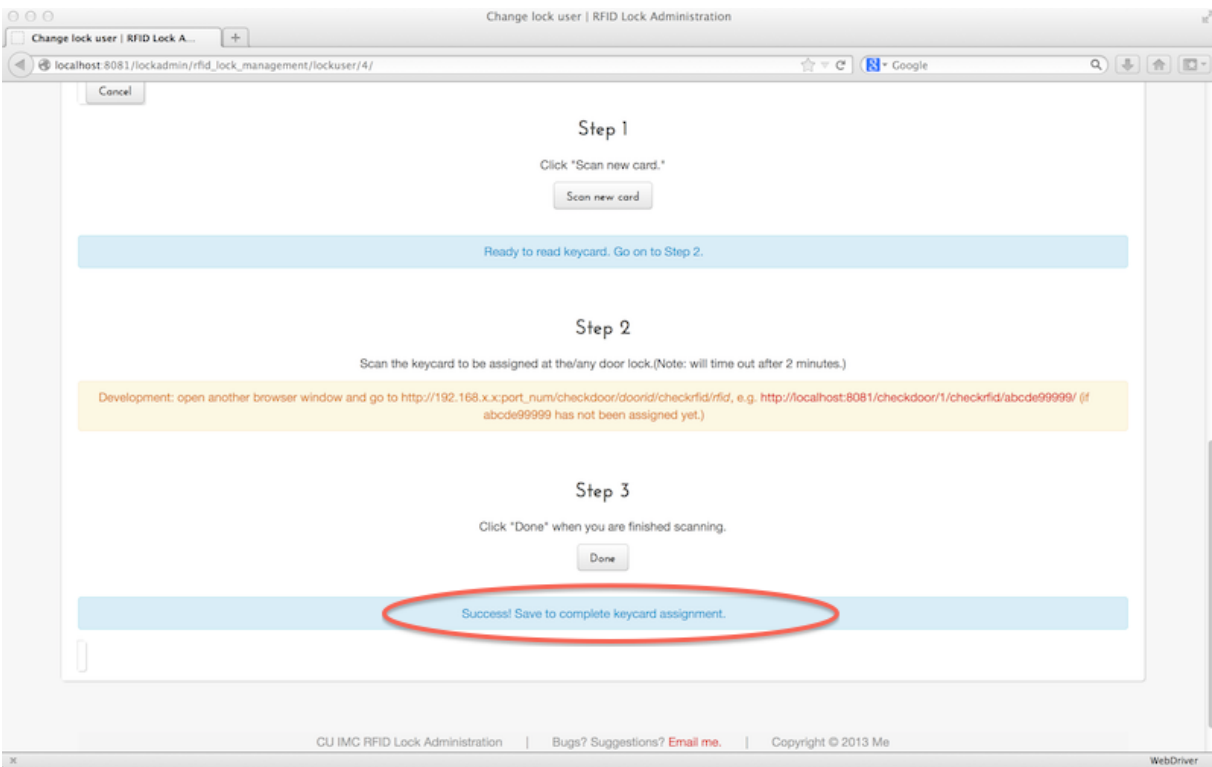
go to localhost:8000/checkdoor/1/checkrfid/abcde12345/.



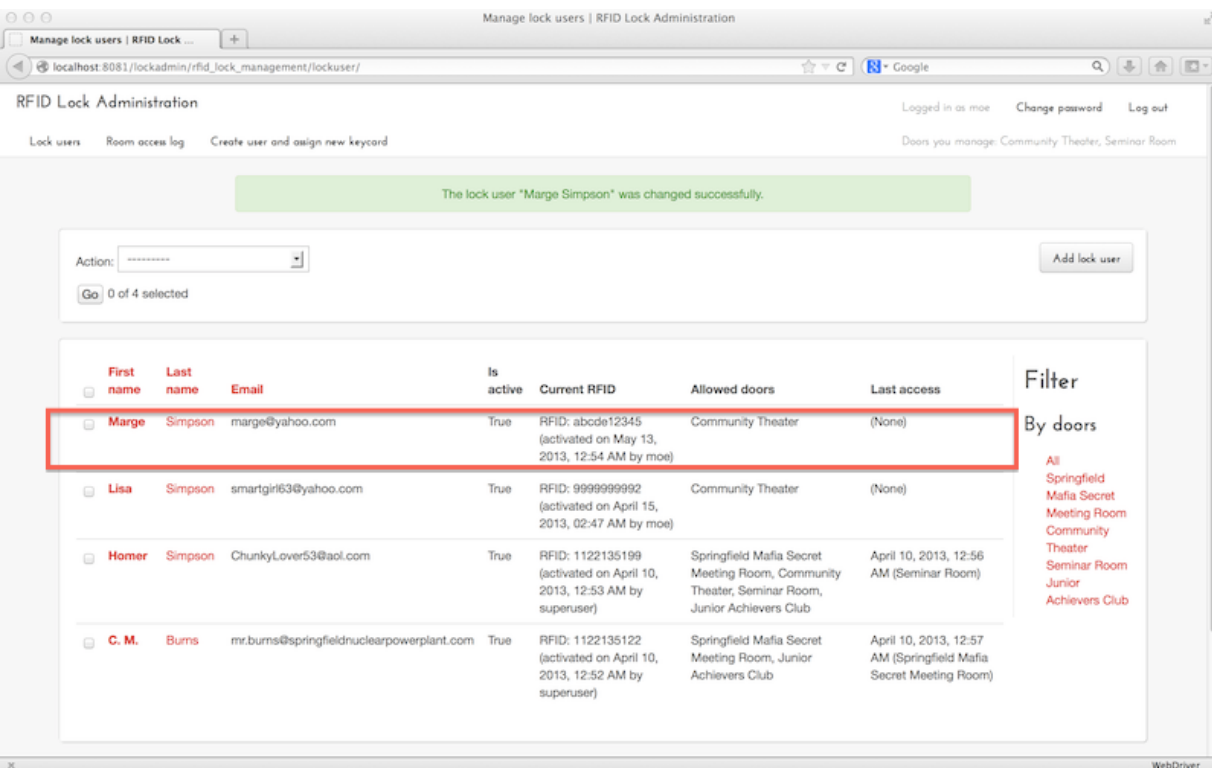
After “scanning” the card, click “Done.”



You should see a success message. Click “Save.”

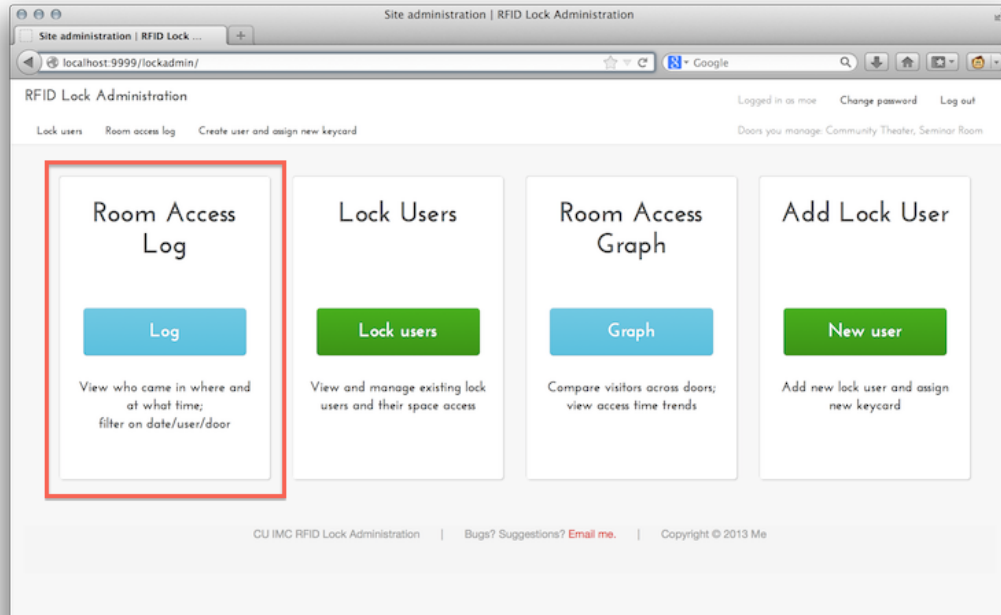


You'll be returned to the page listing all lock users. You should see the new lock user, with the RFID we just assigned:



Room access log

Click on the “Room access log” button on the main page.



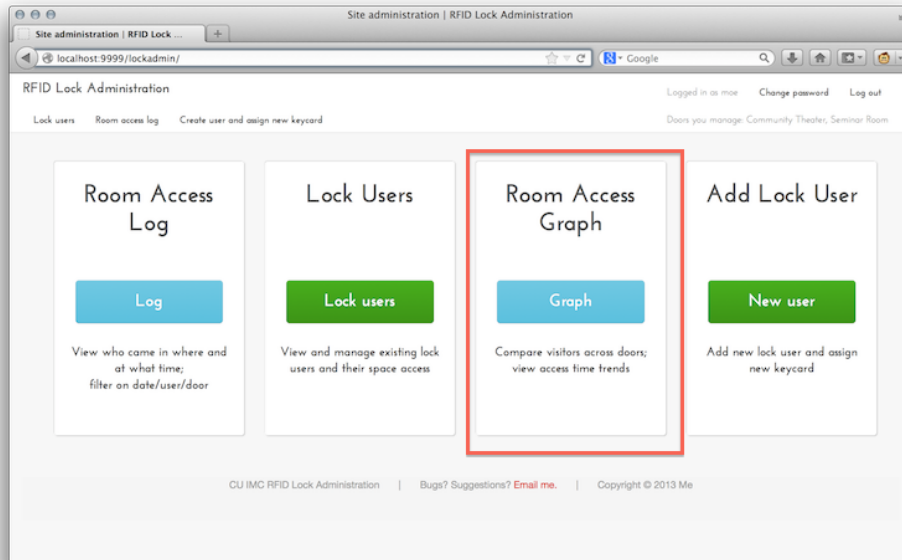
This takes you to the list of access times for all doors. Here you can view and sort/filter by date, door, and lock user.

The screenshot displays the 'Room access log' page, which contains a table of access records and a sidebar with filter options. The table has three columns: 'Access time', 'User', and 'Door'. The sidebar includes filters for 'By date' (2012, 2013), 'By lockuser' (All, C. M. Burns, Homer Simpson, Lisa Simpson, (None)), and 'By door' (All, Springfield Mafia Secret Meeting Room, Community Theater, Seminar Room, Junior Achievers Club, (None)).

Access time	User	Door
Oct. 12, 2012, 10:38 p.m.	Homer Simpson	Community Theater
Oct. 14, 2012, 4:18 a.m.	C. M. Burns	Springfield Mafia Secret Meeting Room
Oct. 19, 2012, 3:41 a.m.	Homer Simpson	Community Theater
Oct. 20, 2012, 1:11 p.m.	Homer Simpson	Seminar Room
Oct. 20, 2012, 9:28 p.m.	Homer Simpson	Springfield Mafia Secret Meeting Room
Oct. 28, 2012, 1:12 p.m.	Homer Simpson	Seminar Room
Nov. 3, 2012, 8:23 a.m.	C. M. Burns	Springfield Mafia Secret Meeting Room
Nov. 4, 2012, 5:48 a.m.	C. M. Burns	Springfield Mafia Secret Meeting Room
Nov. 5, 2012, 11:01 a.m.	Homer Simpson	Seminar Room
Nov. 9, 2012, 12:22 p.m.	Homer Simpson	Seminar Room
Nov. 18, 2012, 2:46 a.m.	Homer Simpson	Community Theater
Nov. 18, 2012, 4:04 p.m.	Homer Simpson	Community Theater
Nov. 23, 2012, 8:26 a.m.	Homer Simpson	Community Theater
Nov. 30, 2012, 7:40 a.m.	C. M. Burns	Springfield Mafia Secret Meeting Room
Dec. 2, 2012, 5:11 p.m.	Homer Simpson	Community Theater
Dec. 2, 2012, 10:13 p.m.	Homer Simpson	Community Theater
Dec. 11, 2012, 12:48 p.m.	Homer Simpson	Community Theater
Dec. 16, 2012, 9:46 a.m.	Homer Simpson	Community Theater
Dec. 22, 2012, 7:30 a.m.	Homer Simpson	Community Theater
Dec. 24, 2012, 12:03 p.m.	Homer Simpson	Community Theater

Room access graph

Click on the “Graph” button on the main page.



This takes you to the interactive scatter plots showing all visits to every space in the building. The plot compares dates and time of day, which can reveal some interesting trends concerning room usage patterns, e.g. Space X is visited twice as much as Space Y. The plot is dynamically generated using the jQuery chart library [Highcharts](#).

