McMaster University

SE 3K04 Fall 2019

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Assignment 2 Documentation Testing

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DCM Testing

Module	Purpose	Test	Expected Result	Actual Result	Overall Result
LoginScreen	Testing basic functionality of login and sign up	Plain text in password and username	Can register Can login	Can register Can login if registered	Pass
LoginScreen	A blank username should not be able to use for registering	Plain space in password and username	Cannot register Cannot login	Cannot register Cannot login if registered	Pass
LoginScreen	A used username can not be used to register	Register using the same username after the username has been used	Cannot register Can login using the previously registered account	Cannot register Can login using the existing account	Pass
LoginScreen	An unexisting username can not be used to log in	Login using a wrong username	Cannot login	Cannot login	Pass
LoginScreen	Should not allow not default text in username or password	Sign up with not default text	Cannot register	Cannot register	Pass
LoginScreen	Should unable to log in if the password is wrong	Login with an existing username with the wrong password	Cannot login	Cannot login	Pass
LoginScreen	Testing 10 user limits	Register the 11th user	Error message pop out and unable to register	Error message pop out and unable to register	Pass

Simulink testing is included in part1 of the documentation.
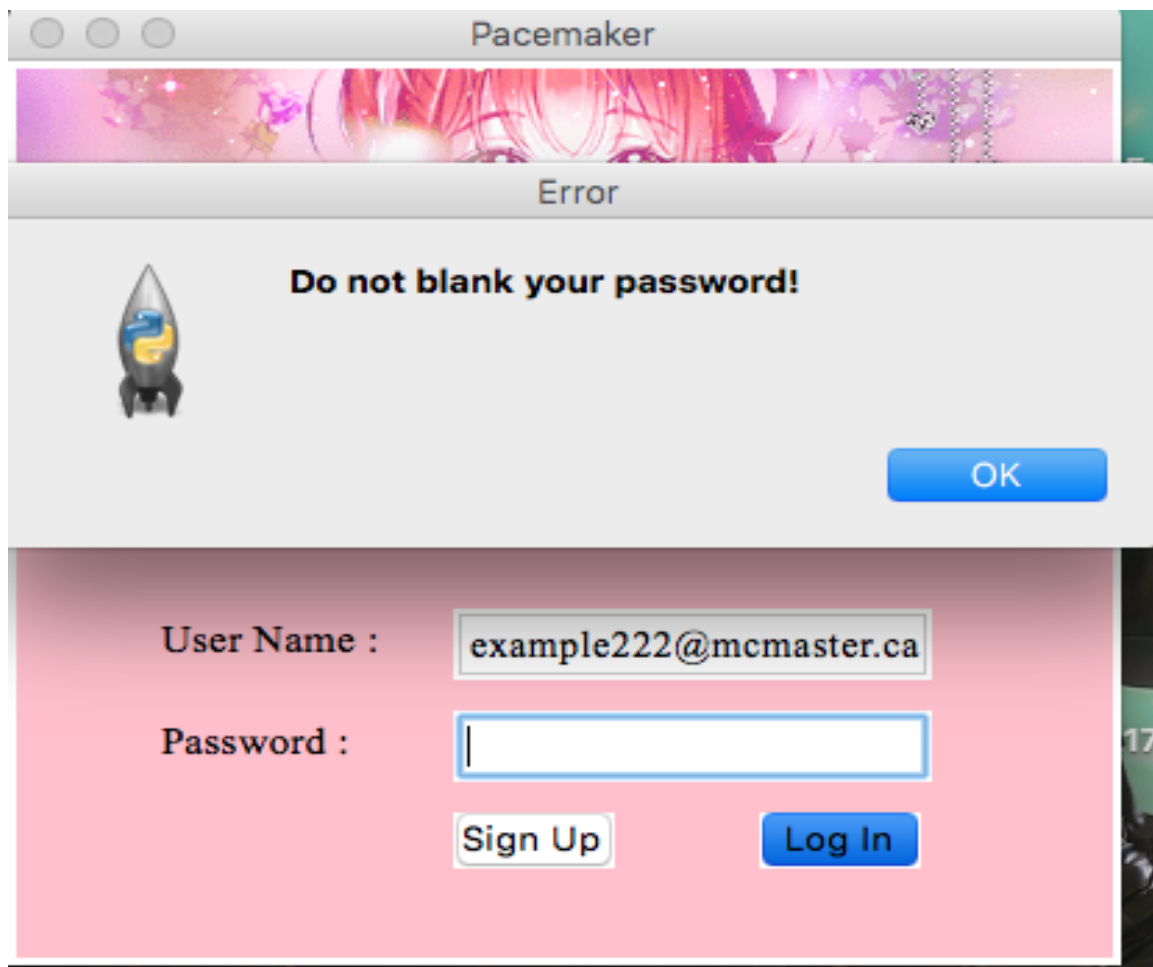
Login with blank password

This image above shows the situation in login page when the user inputs the blank password. The error message will be popped up to show "Do not blank your password!", which tells the user not to blank its password.
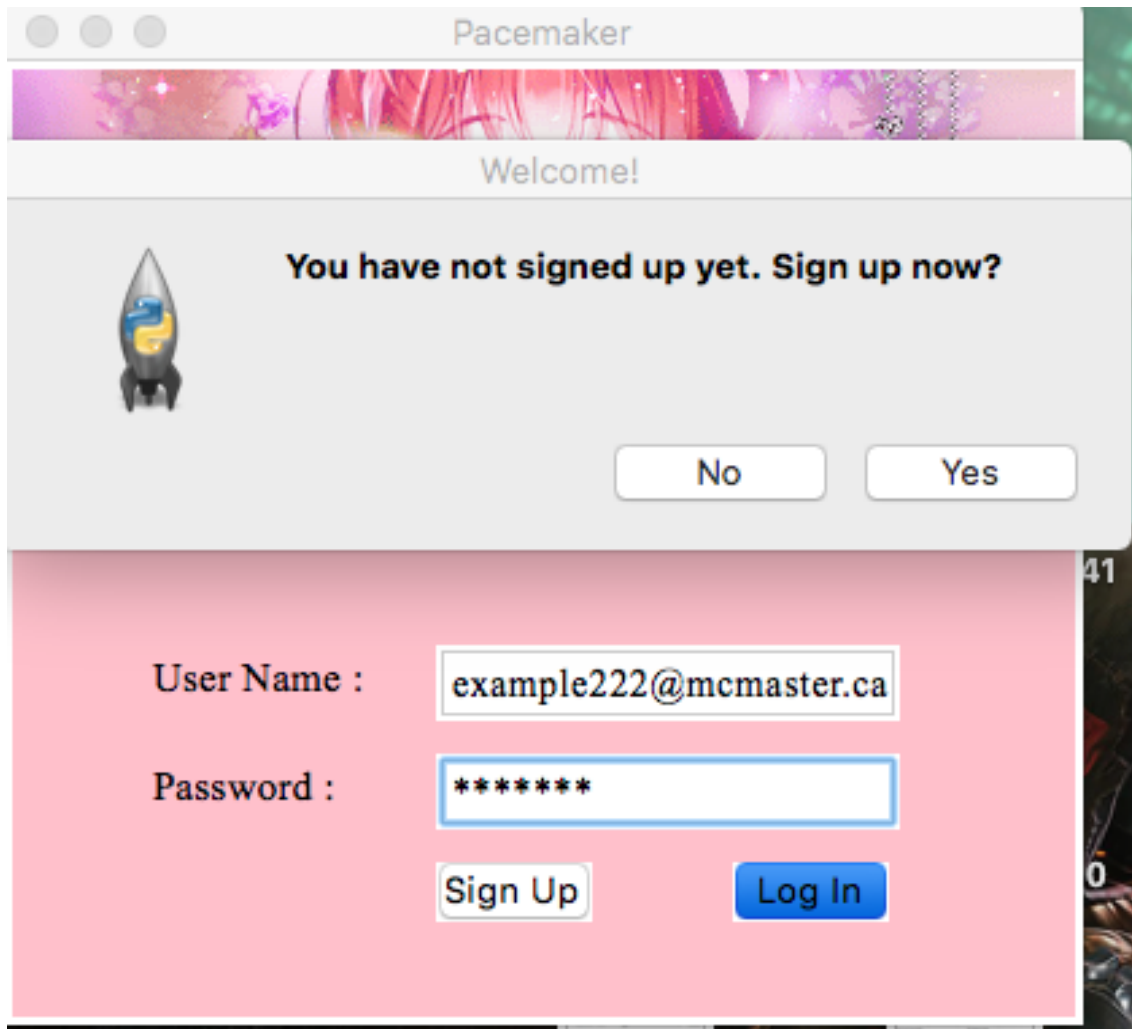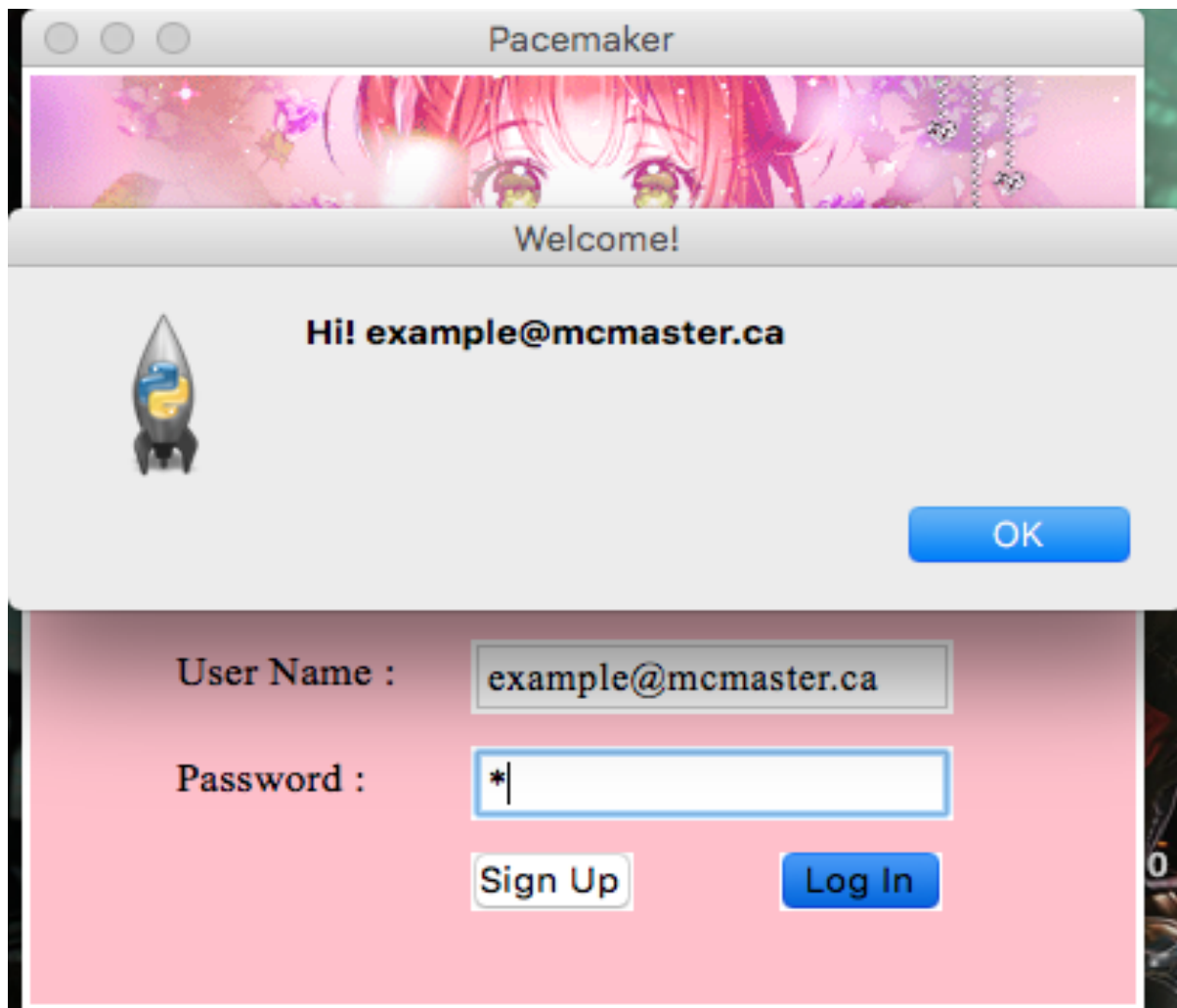
Login with a new username

This image above shows the situation in login page when the username is not signed up before.The yes or no message saying "You have not signed up yet. Sign up now?" will be popped up to allow the user to make a choice for sign up or not.
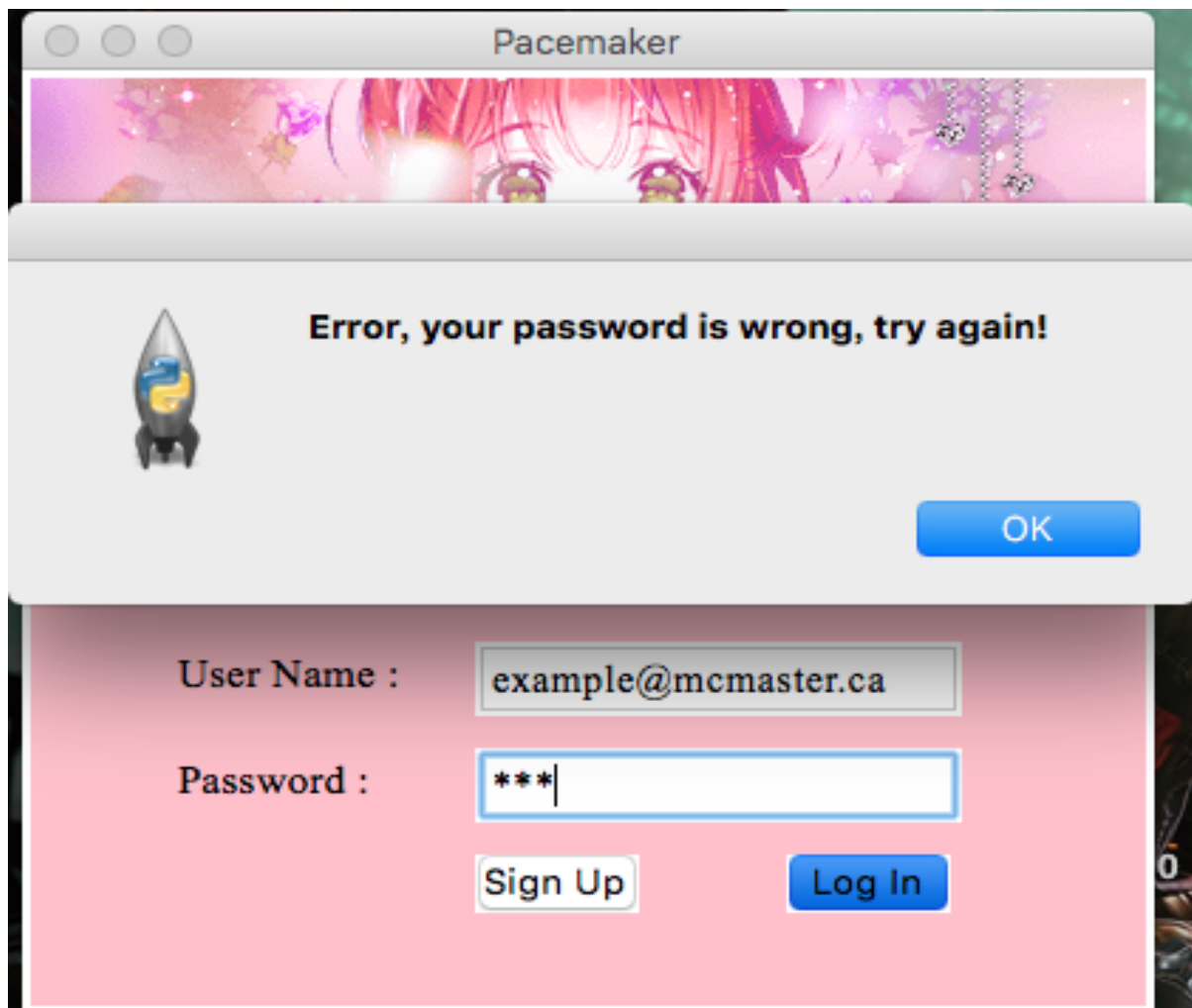
Login with wrong error for existing username

This image above shows the situation when in the login page when the existing user inputs the wrong password. An error message showed "Error, your password is wrong, try again!" will be popped up to tell the user to input another password for login.

Login with correct username and password

The image shows the situation when both the username and the corresponding password are correct in login window. An information welcome message will be popped out, saying "Hi" and your username.
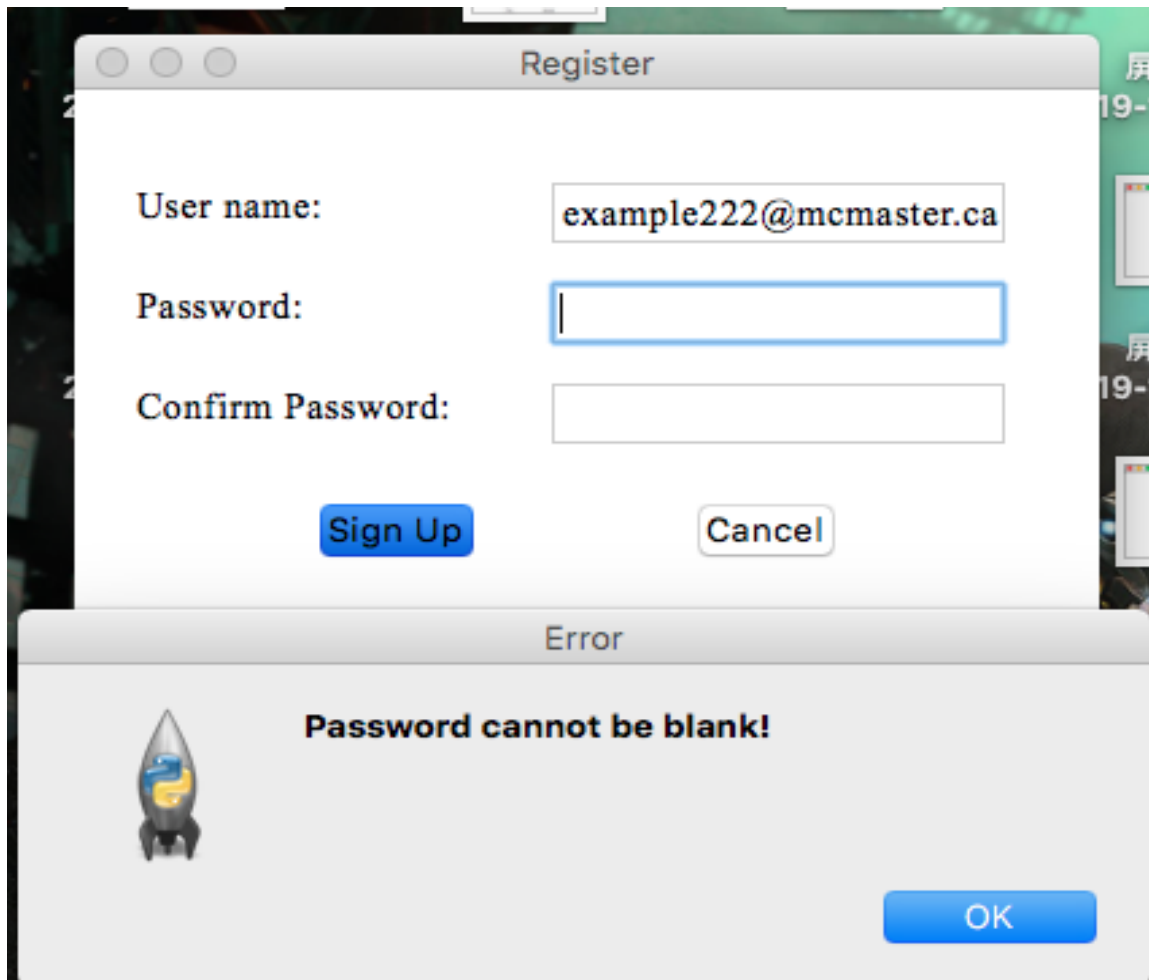
Sign up with the blank password

The image above shows the situation when the password is blank in Sign up window. The error message will be popped up to show "Password cannot be blank!", which tells the user not to blank the password.
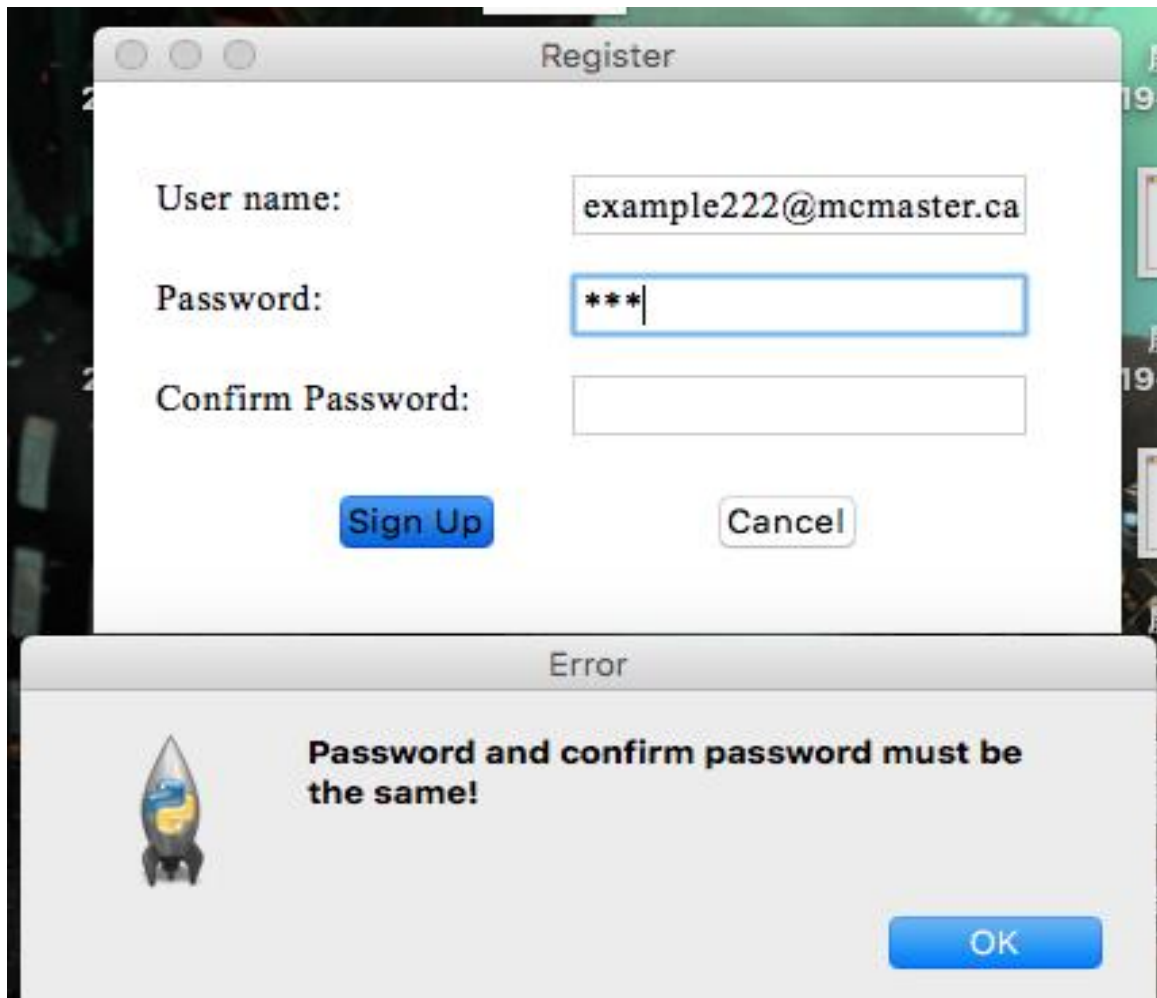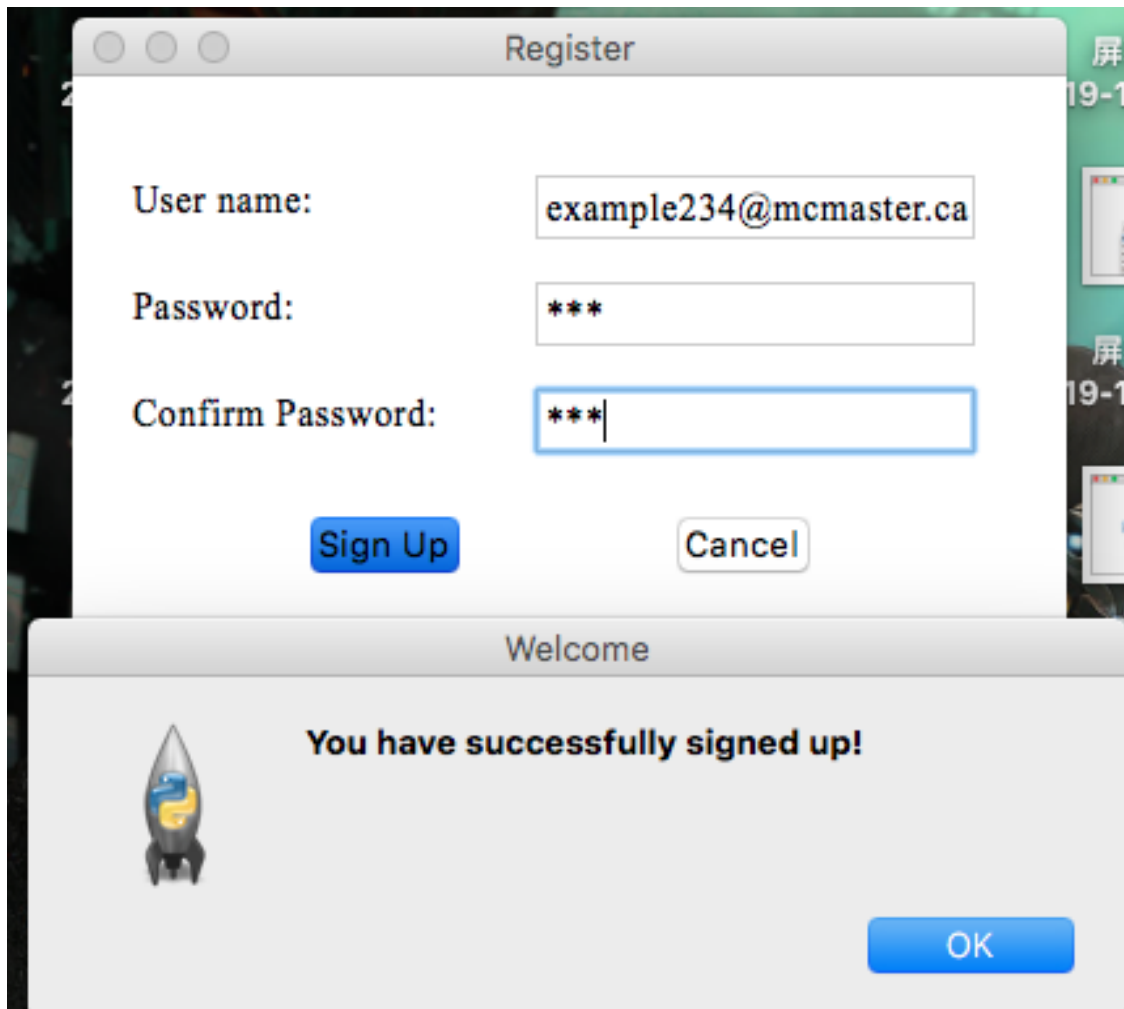
Sign up with different password and confirm password

The image above shows the situation when the password and confirm password are different in the Sign up window. The error message showing "Password and confirm password must be same!" will be popped up, telling the user must put the same password and confirm password .
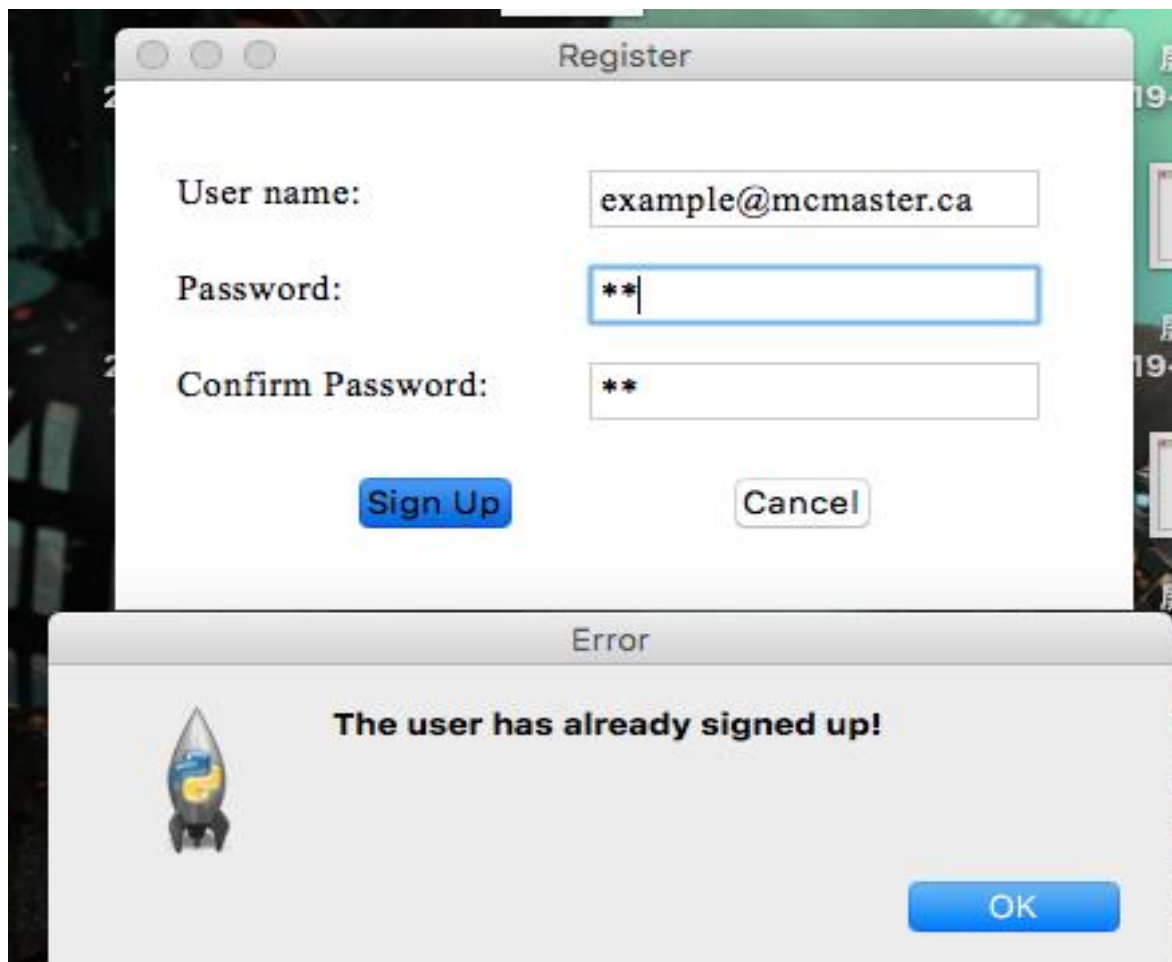
Sign up with existing username
This image above shows the situation when the username has already signed up in the Sign up window. The error message saying "The user has already signed up!" will be popped up to show the username have already be used for other user, and ask the current user to change another username.

Sign up in success

The image above shows the success in Sign up window. An information message "You have successfully signed up!" will be popped up if the username can be used and the password and confirm password are the same.
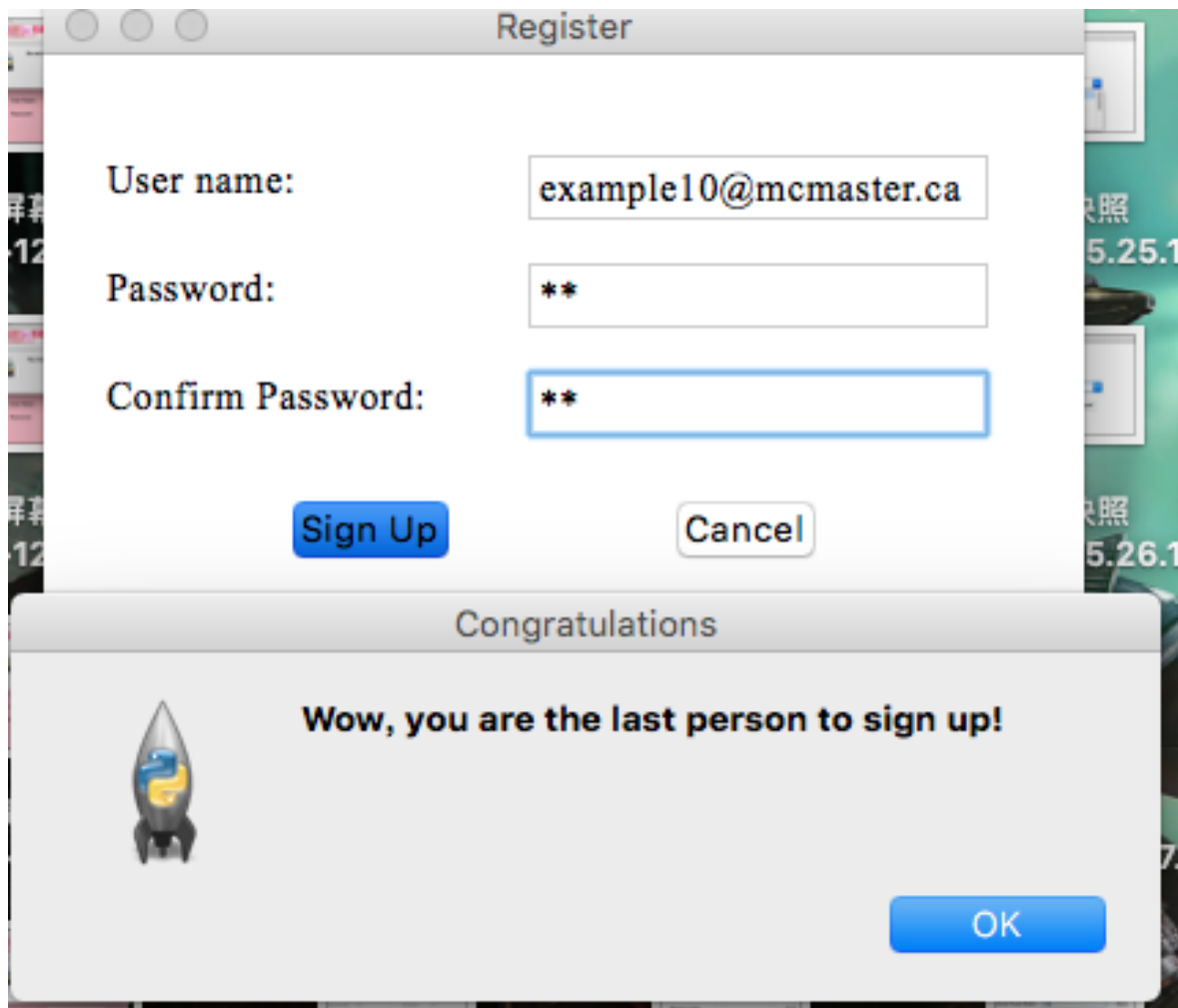
Sign up for the last person to sign up

The image above shows the situation when the last person (the 10th person in the DCM) signs up successfully. The information message saying "Wow, you are the last person to sign up!" will be popped up to show any other user cannot be signed up in the next.
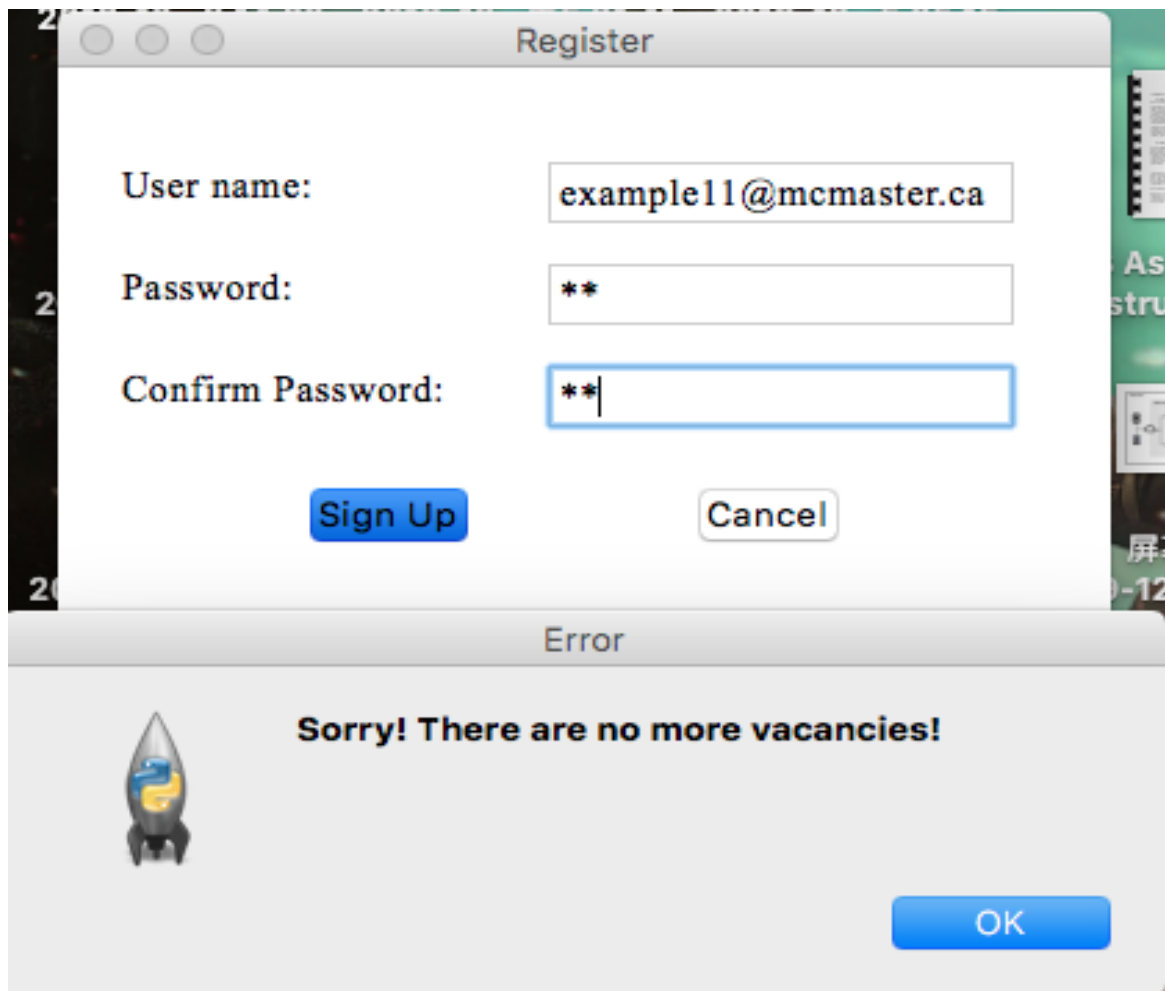
Sign up with no more vacancies

The image above shows the situation when rooms for new users to sign up have already full. For the DCM (10 users enough), if the 11th or following person is going to sign up for an account, an error message with the sentence "Sorry! There are no more vacancies!" will be popped out to show there is no more vacancies for new users to register.

Note : In the following images, the AAI mode will be used as an example for test. All of the modes are similar to the AAI mode. In AAI mode, the parameter Lower Rate Limit will be used as an example for test as well. Any other parameters in each mode have the same or similar situation.
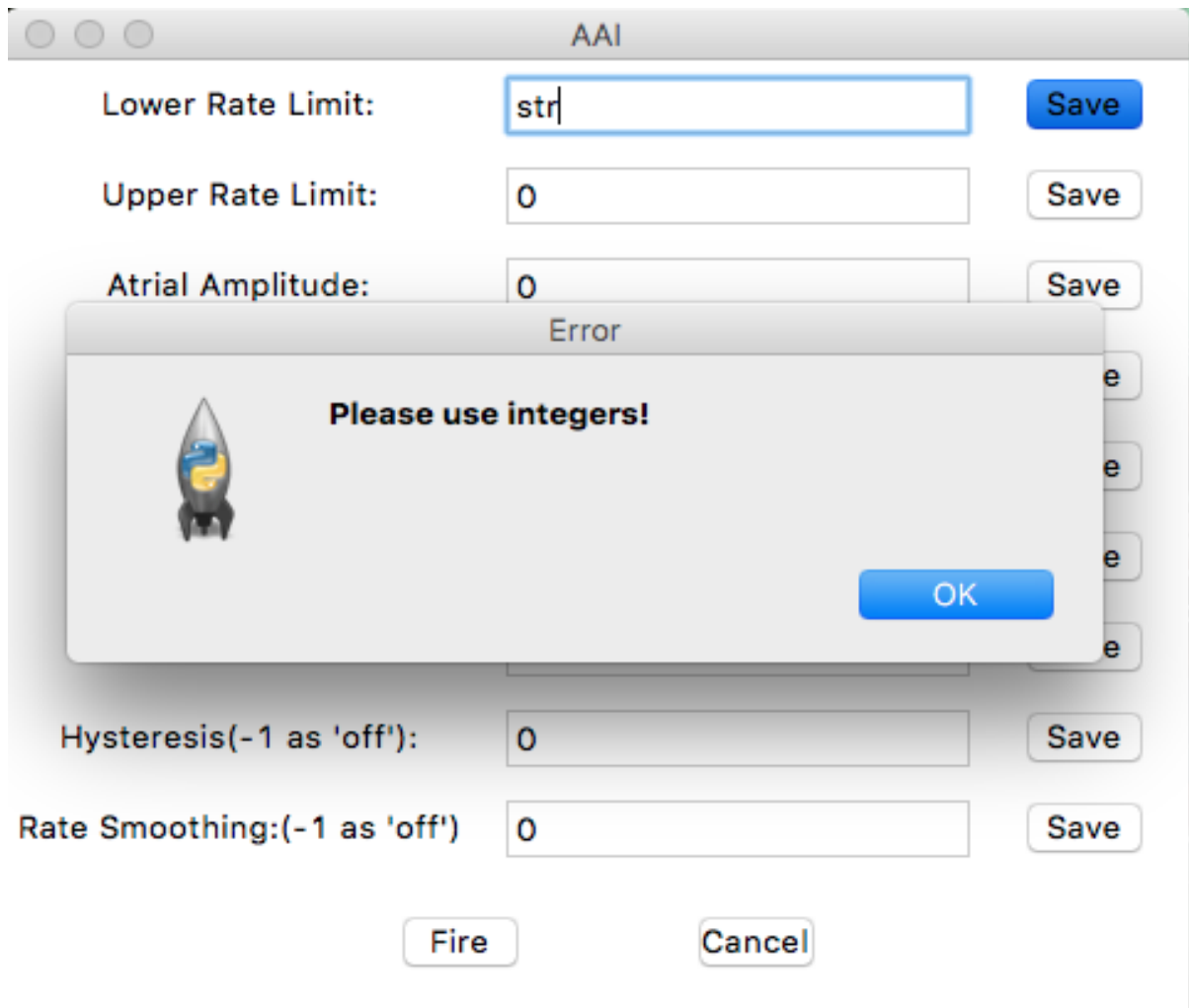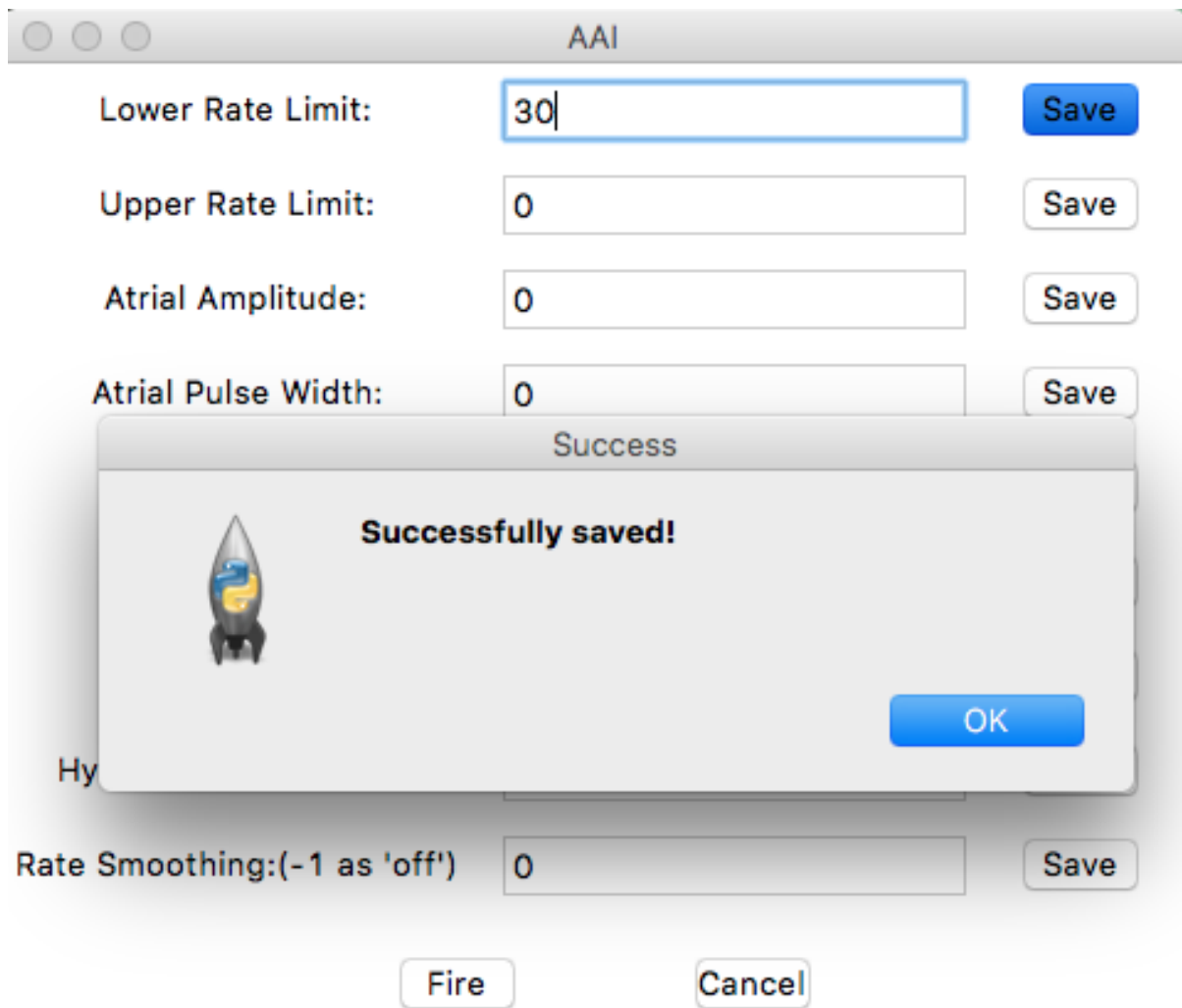

Error format in Lower Rate Limit parameter in AAI mode

The image above shows the situation when the user wants to save a string (or other type except integers) in the given bar. The error message saying "Please use integers!" will be popped up to ask the user to save integers.
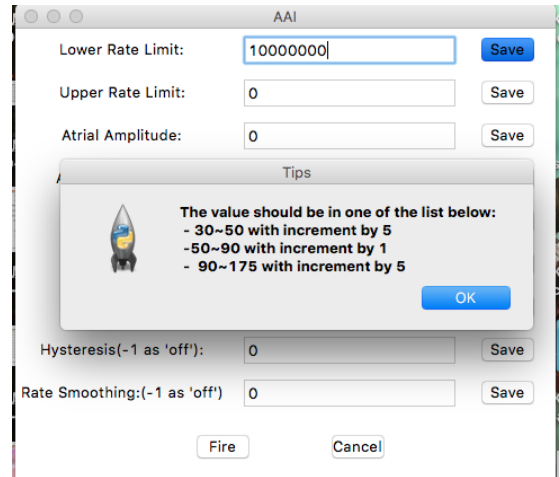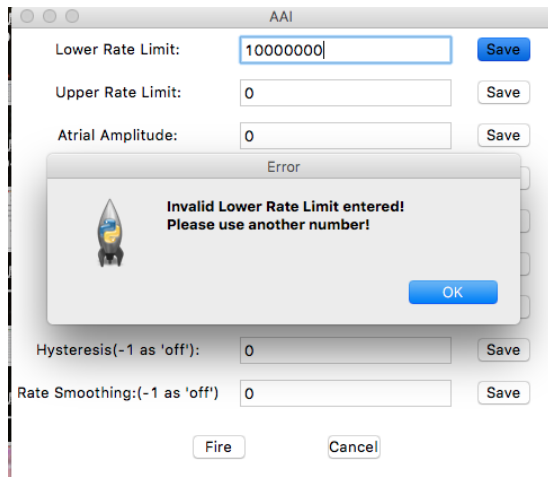
Error numbers in Lower Rate Limit parameter in AAI mode

These two images above show the situation when the user wants to save an incorrect number in the given bar. An error message showing "Invalid Lower Rate Limit Entered! Please use another number!" will be popped out to tell the user the number it put is out of the range. After clicking on the 'OK' button, the following information message will be popped up to give the user a specific requirement about the programmable value in this parameter.

Success in saving Lower Rate Limit parameter in AAI mode

The image above shows a situation when the user inputs a correct digit in the given bar. An information message saying "Successfully saved!" will be popped up to show the data in Lower Rate Limit parameter in AAI mode has already saved in the user's file.

Lower Rate Limit is greater than Upper Rate Limit in AAI

The image above shows the situation only when the user input numbers in Lower Rate Limit or Upper Rate Limit. An error message showing "LRL can not be greater than URL!" will be popped up in order to warn the user to change the number in either Lower Rate Limit or Upper Rate Limit parameter bar.
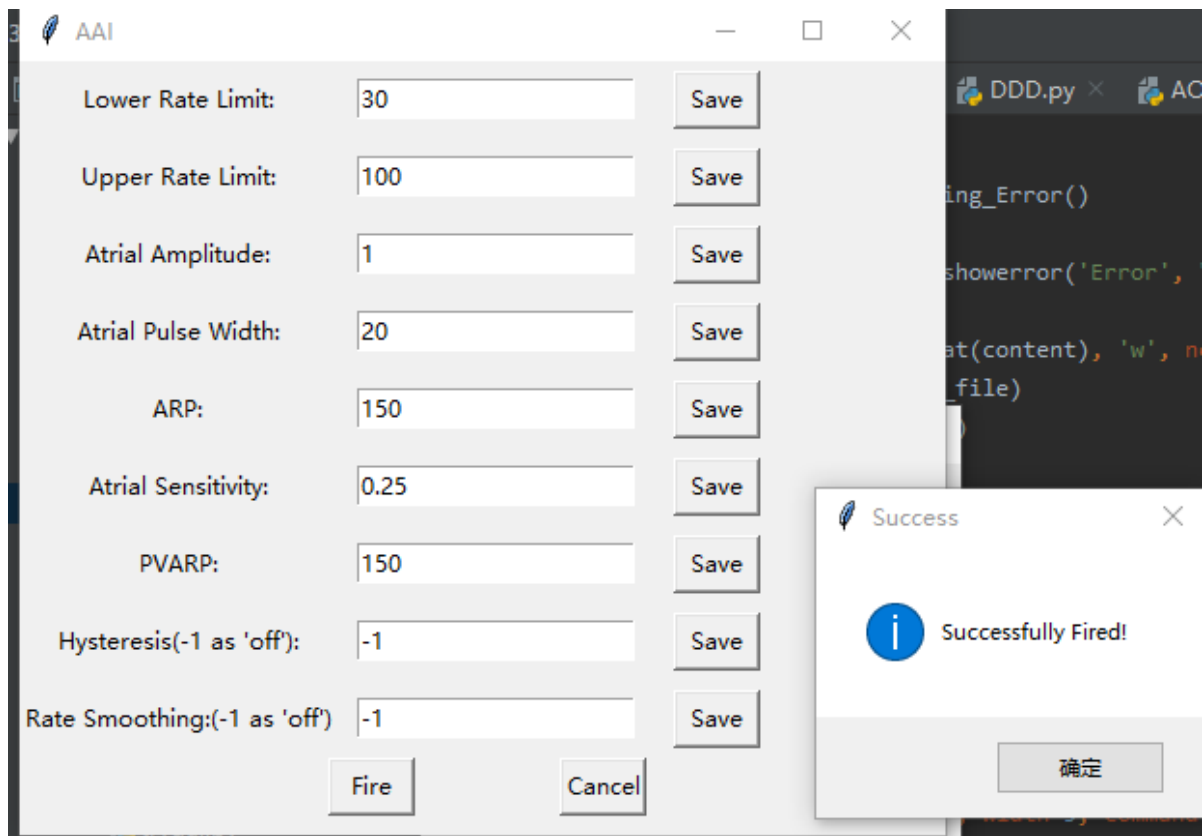
Success in fire in the AAI mode

The image above shows the situation when all the data are successfully saved and then fired. The information message will be popped out to show "Successfully Fired!" for user, which means all the data given from the user are correct and have already been sent to the board.