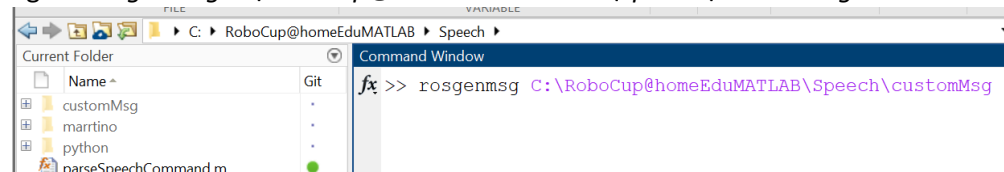


## Sound\_play ROS Message Update

How do I update the sound\_play messages in MATLAB for the RoboCup@Home Education Workshop?

1. Navigate to the “Speech” folder in the workshop files
  - There should be a folder named “customMsg”
  - Copy the path to that folder
    - o Eg: `C:\RoboCup@homeEduMATLAB\Speech\customMsg`
2. While on the “Speech” folder execute the following command using the path to you customMsg folder
  - Rosgenmsg <path to customMsg folder>
  - Eg: `>> rosgenmsg C:\RoboCup@homeEduMATLAB\Speech\customMsg`

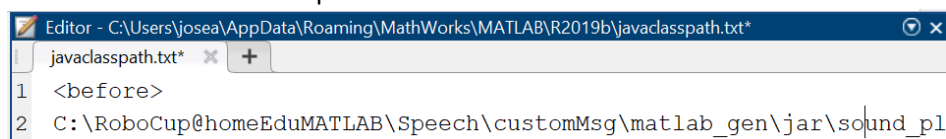


3. MATLAB will prompt you with 3 steps to follow to use the custom messages. Please **IGNORE THOSE STEPS**. Follow the instructions in this document instead since we are updating a built-in ROS message.
4. Now follow **ONLY STEP 1** of the prompts provided. See portion below:

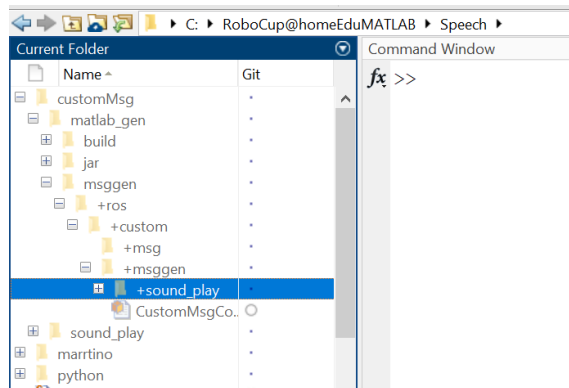
To use the custom messages, follow these steps:

1. Edit [javaclasspath.txt](#), add the following file locations as 1  
`C:\RoboCup@homeEduMATLAB\Speech\customMsg\matlab_gen\jar\sound_pl`

- Click on the [javaclasspath.txt](#) link provided.
5. If you are prompted to create a new “[javaclasspath.txt](#)” file, click **YES**.
    - Copy the path provided by the MATLAB prompt into the javaclasspath text file.
    - Add another line at the top of the file with the directive **<before>**



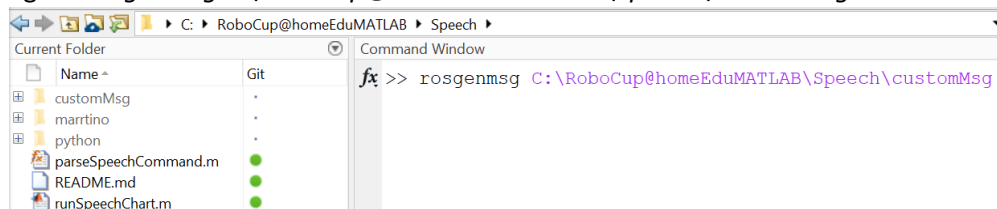
- Save the file. Close the file. If you already have this file, just add the two lines to the top of it and save.
6. Restart MATLAB
  7. Navigate to the “Speech” folder in the workshop files
    - Find the “+sound\_play” folder that was generated inside the “customMsg” folder.
    - Eg:  
`C:\RoboCup@homeEduMATLAB\Speech\customMsg\matlab_gen\msggen\+ros\+custom\+msggen\+sound_play`



- Delete the “+sound\_play” folder **ONLY**

8. We will run the `rosgenmsg` command one more time. (Yes, a second time)

- Eg: `>> rosgenmsg C:\RoboCup@homeEduMATLAB\Speech\customMsg`



9. Now we will follow **ONLY STEP 2** of the prompts given in MATLAB:

2. Add the custom message folder to the MATLAB path by executing:

```
addpath('C:\RoboCup@homeEduMATLAB\Speech\customMsg\matlab_gen\msggen')
savepath
```

- Execute the “addpath” and savepath commands provided

```
fx >> addpath('C:\RoboCup@homeEduMATLAB\Speech\customMsg\matlab_gen\msggen')
      savepath
```

10. **You are all set !** The speech module of the workshop should now work without issues.