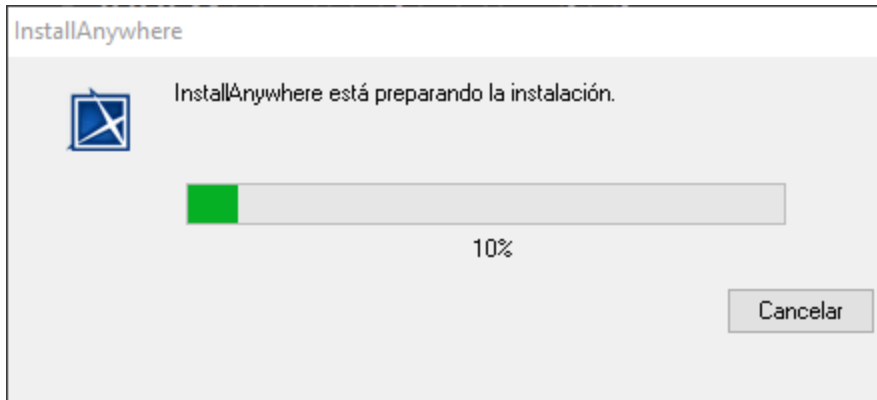# Software Installations for the Experiment
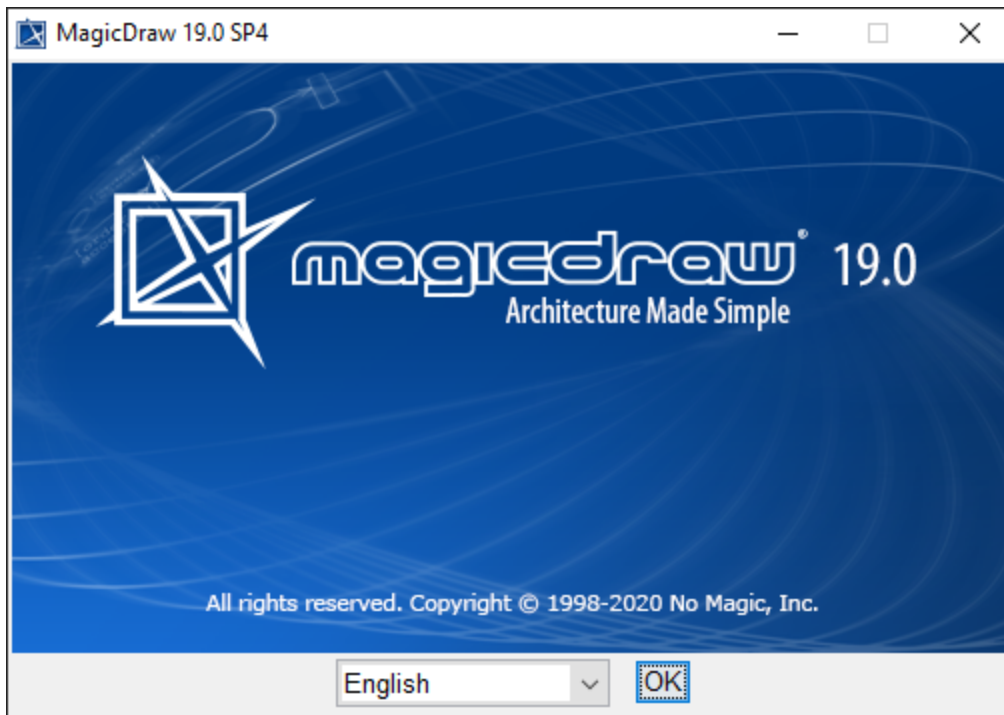
This document explains how to install the software required for the experiment.

1.- MagicDraw 19.0
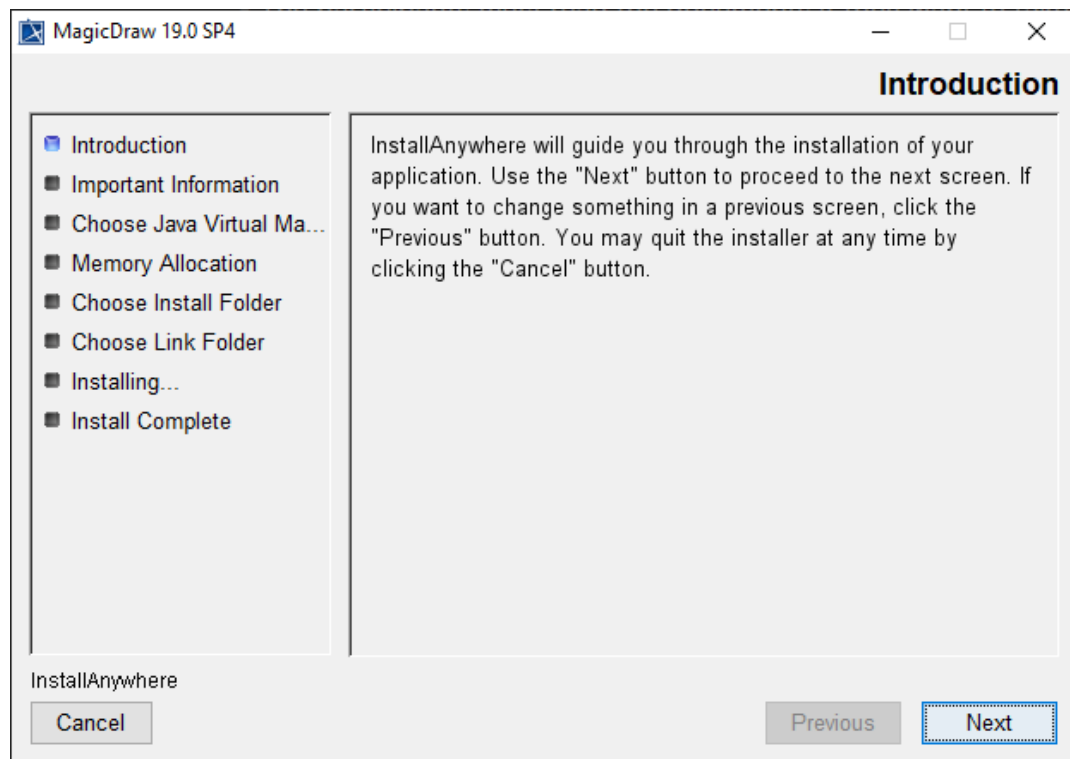
1. Download the MagicDraw exe file (version 19.0 SP4 Enterprise edition) from:
   https://www.magicdraw.com/download/purchased
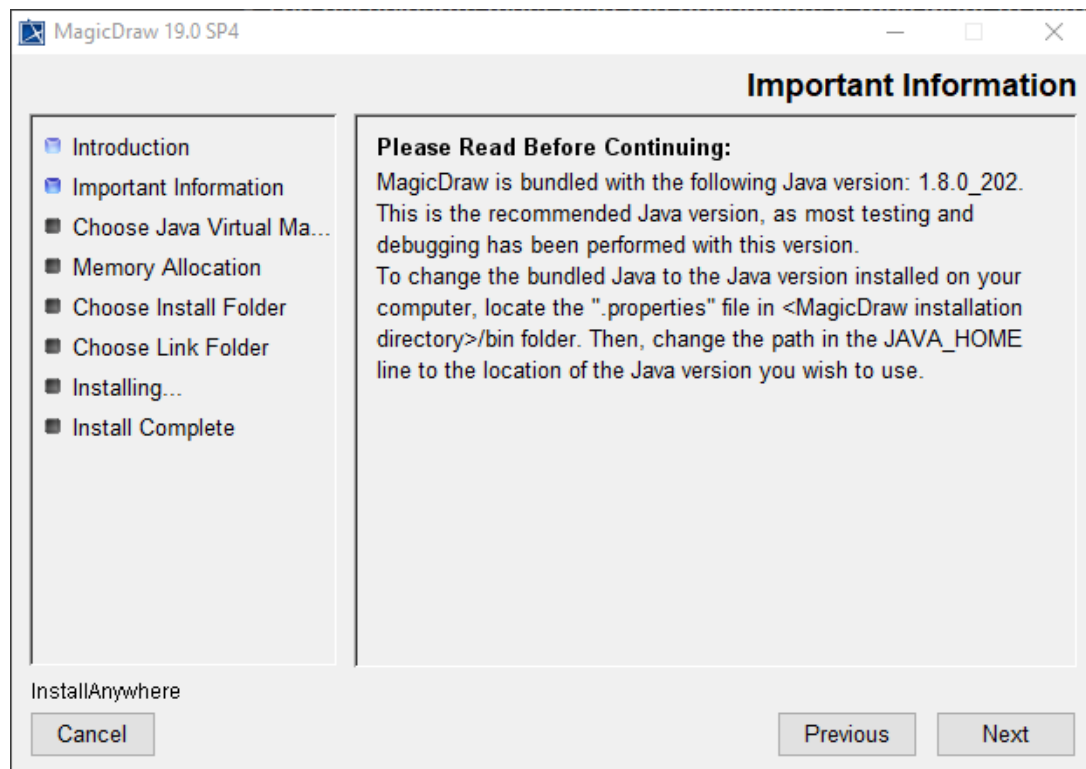
2. Run the downloaded file

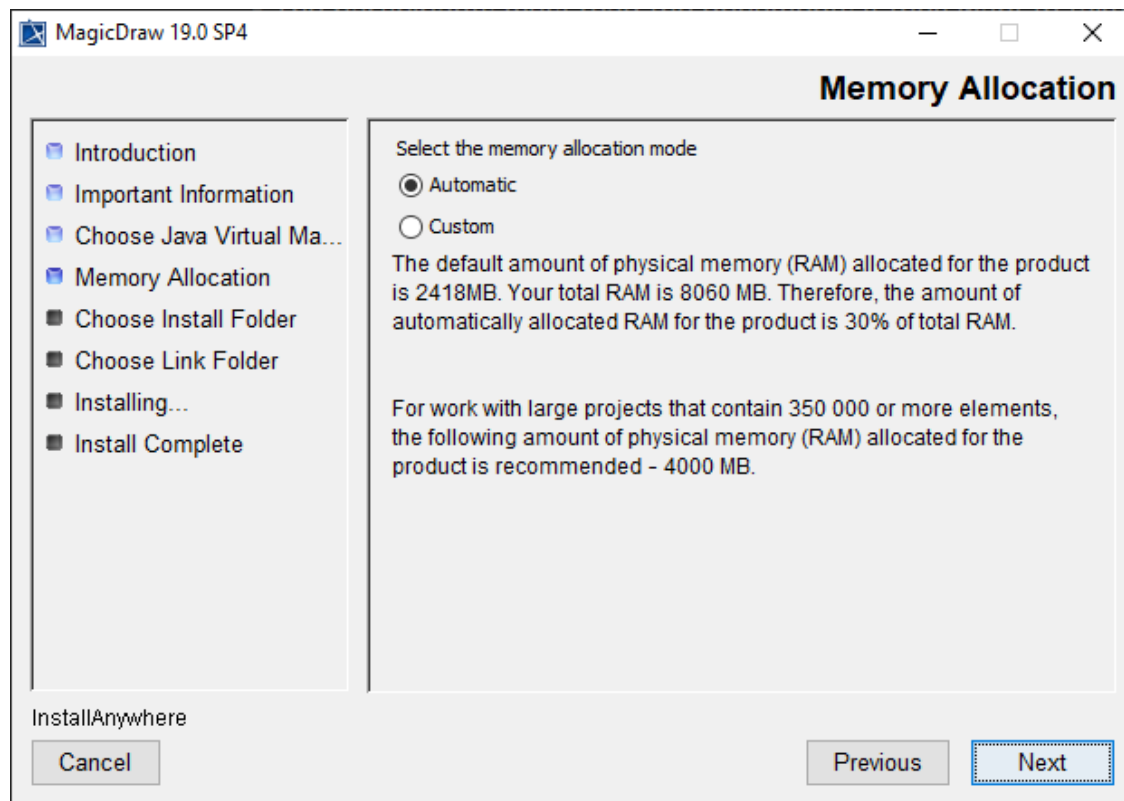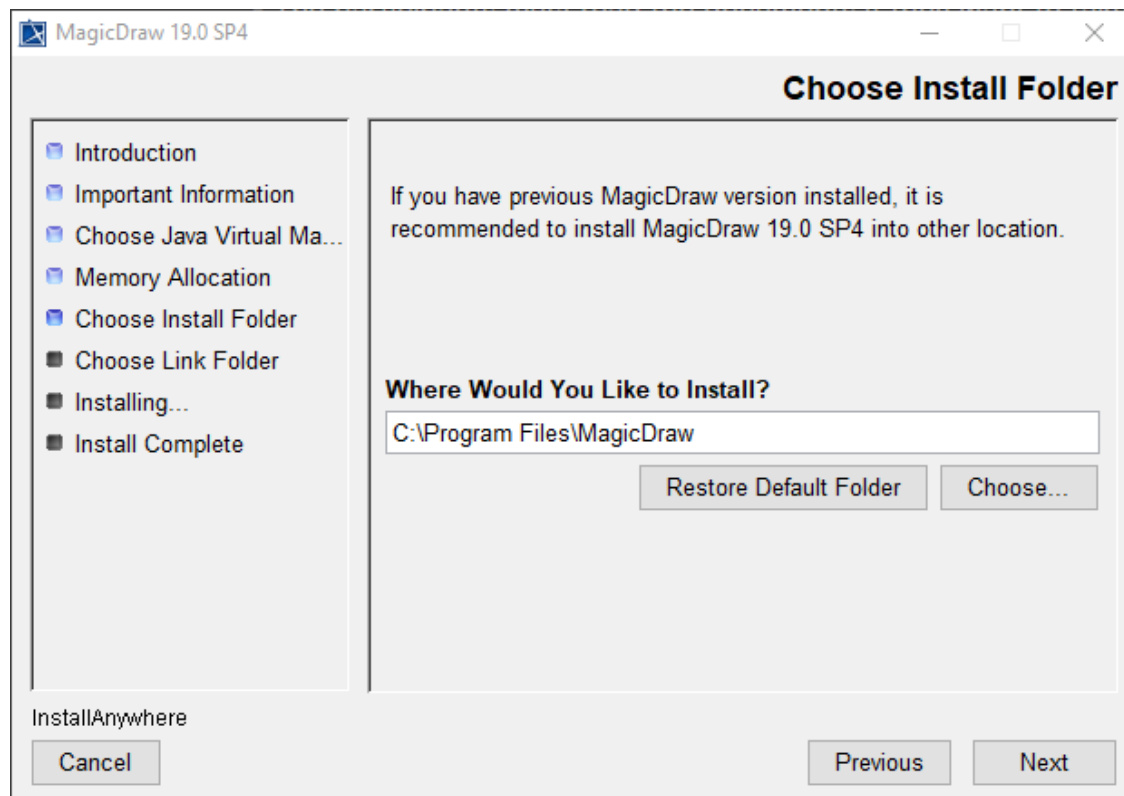3. Select "English" as the preferred language and click "OK".

4. Click "Next".

5. MagicDraw needs Java for its execution, so its installation is bundled with Java version 1.8.0_202. Click "Next" to install it.
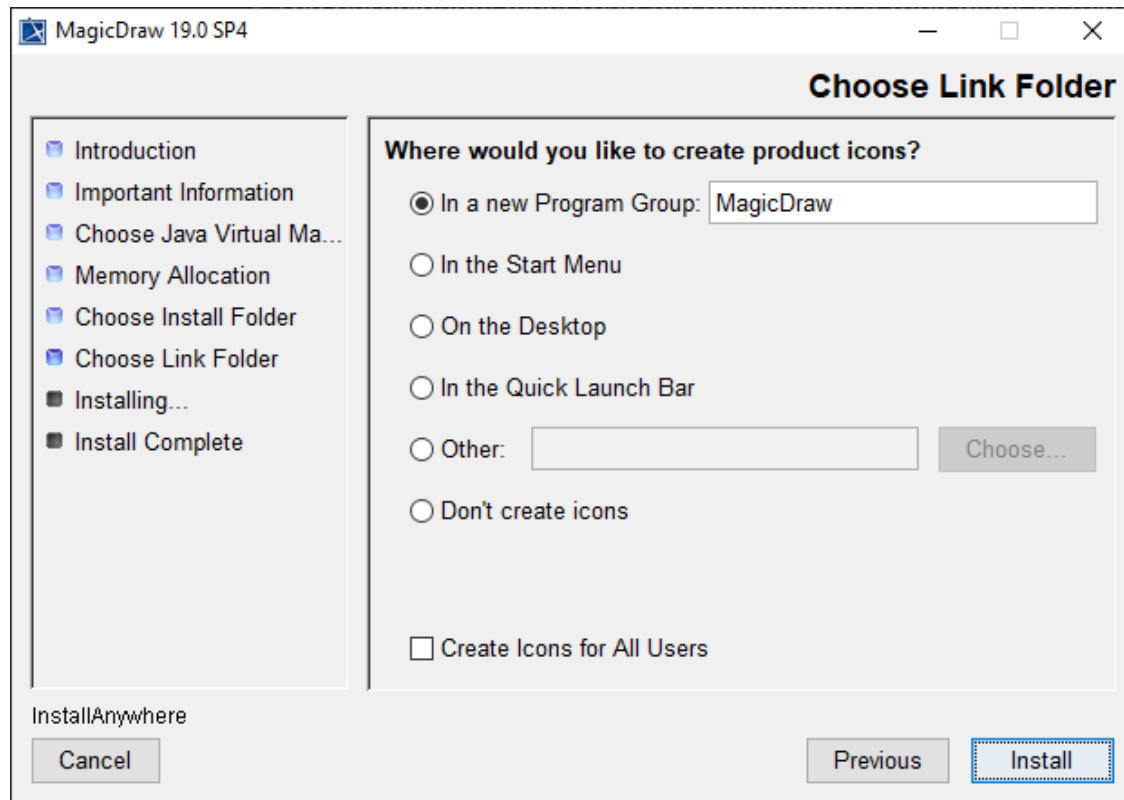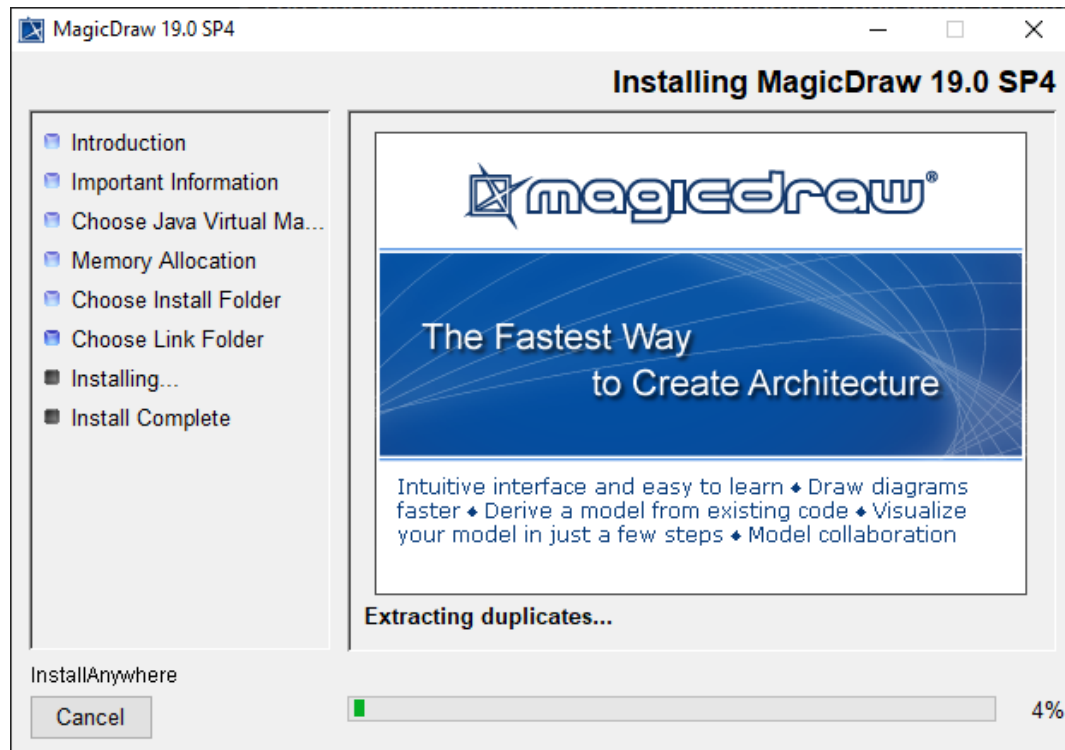
6. Select "Automatic" and click "Next".

MagicDraw 19.0 SP4   —   □   ×

Memory Allocation

- Introduction
- Important Information
- Choose Java Virtual Ma...
- Memory Allocation
- Choose Install Folder
- Choose Link Folder
- Installing...
- Install Complete

Select the memory allocation mode

◉ Automatic

○ Custom

The default amount of physical memory (RAM) allocated for the product is 2418MB. Your total RAM is 8060 MB. Therefore, the amount of automatically allocated RAM for the product is 30% of total RAM.

For work with large projects that contain 350 000 or more elements, the following amount of physical memory (RAM) allocated for the product is recommended – 4000 MB.

InstallAnywhere

Cancel   Previous   Next

7. Select the folder in which you would like to install MagicDraw and click "Next".

MagicDraw 19.0 SP4   —   □   ×

Choose Install Folder

- Introduction
- Important Information
- Choose Java Virtual Ma...
- Memory Allocation
- Choose Install Folder
- Choose Link Folder
- Installing...
- Install Complete

If you have previous MagicDraw version installed, it is recommended to install MagicDraw 19.0 SP4 into other location.

Where Would You Like to Install?

C:\Program Files\MagicDraw

Restore Default Folder   Choose...

InstallAnywhere

Cancel   Previous   Next

8. Select your preferred options for the creation of icons and click "Install".

MagicDraw 19.0 SP4 — □ ✕

Choose Link Folder

- Introduction
- Important Information
- Choose Java Virtual Ma...
- Memory Allocation
- Choose Install Folder
- **Choose Link Folder**
- Installing...
- Install Complete

Where would you like to create product icons?

- ◉ In a new Program Group: MagicDraw
- ○ In the Start Menu
- ○ On the Desktop
- ○ In the Quick Launch Bar
- ○ Other: [   ] [Choose...]
- ○ Don't create icons

☐ Create Icons for All Users

InstallAnywhere

[Cancel]   [Previous] [Install]

9. Wait for a few moments until MagicDraw completes the installation.

MagicDraw 19.0 SP4 — □ ✕

Installing MagicDraw 19.0 SP4

- Introduction
- Important Information
- Choose Java Virtual Ma...
- Memory Allocation
- Choose Install Folder
- Choose Link Folder
- Installing...
- Install Complete

⬚ magicdraw®

The Fastest Way
to Create Architecture

Intuitive interface and easy to learn ♦ Draw diagrams
faster ♦ Derive a model from existing code ♦ Visualize
your model in just a few steps ♦ Model collaboration

Extracting duplicates...

InstallAnywhere

[Cancel]   4%

10. Tick the box "Start MagicDraw 19.0 SP4" and select "Done" to complete the installation.
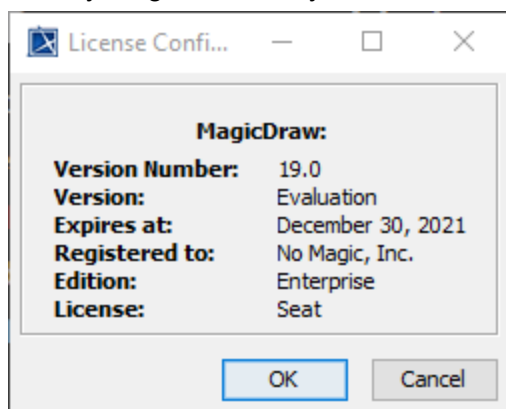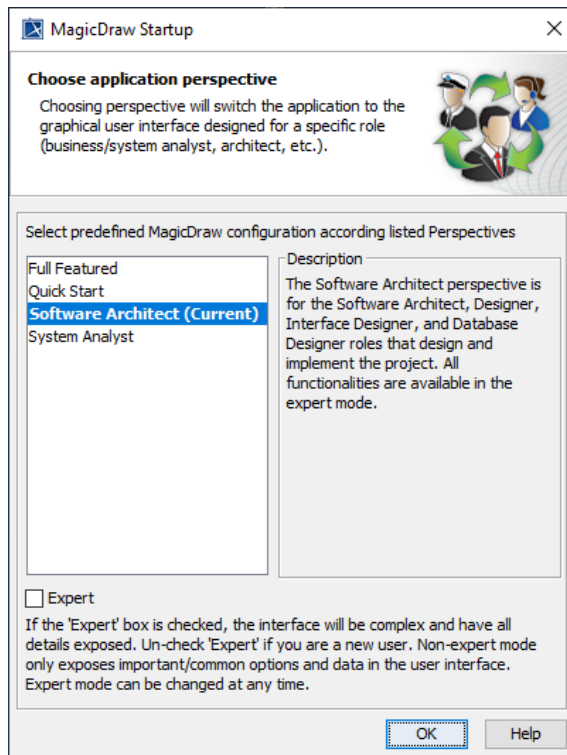

11. Select "Use Default".
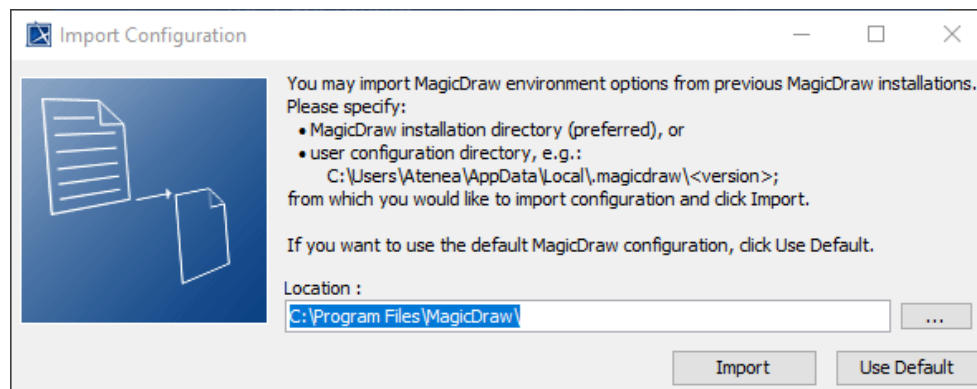
12. Select the license file provided for the experiment by clicking the option "Select License Key Files". Once you find the license key, click "Open"-
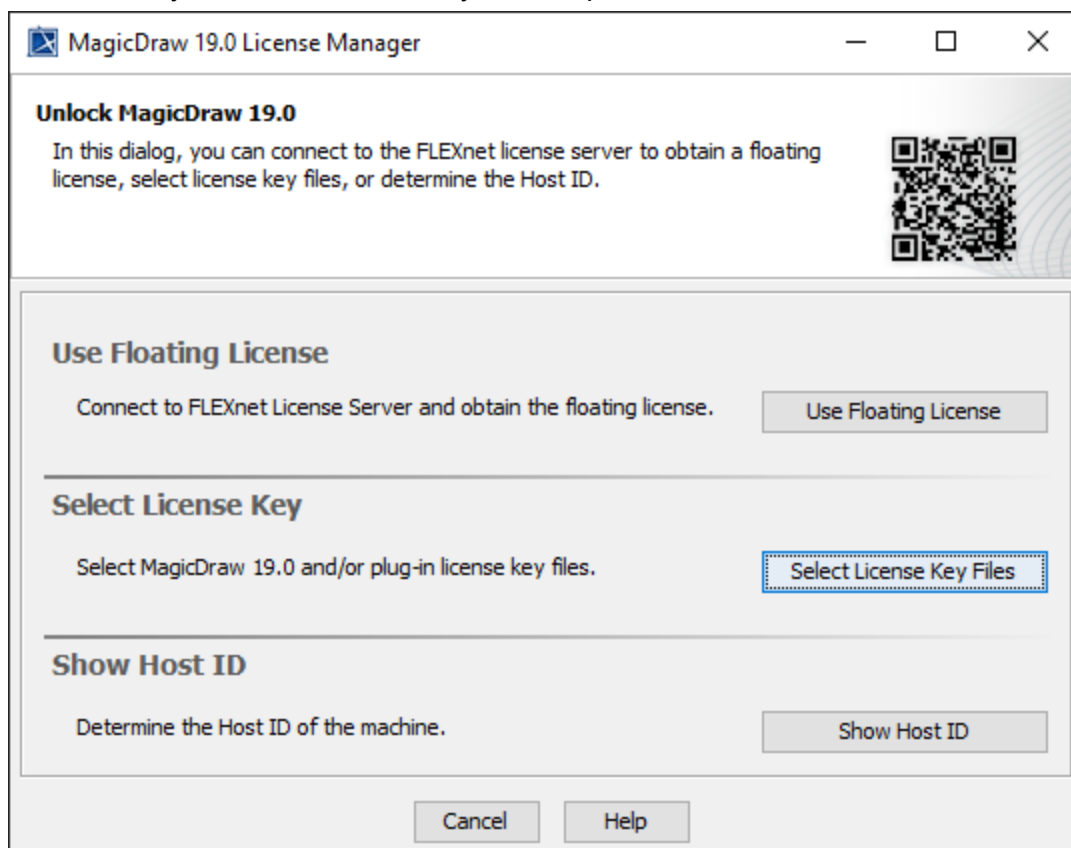
13. If everything went well, you should see the following window. Click "OK"

14. Then MagicDraw will open. Select "Software Architect".
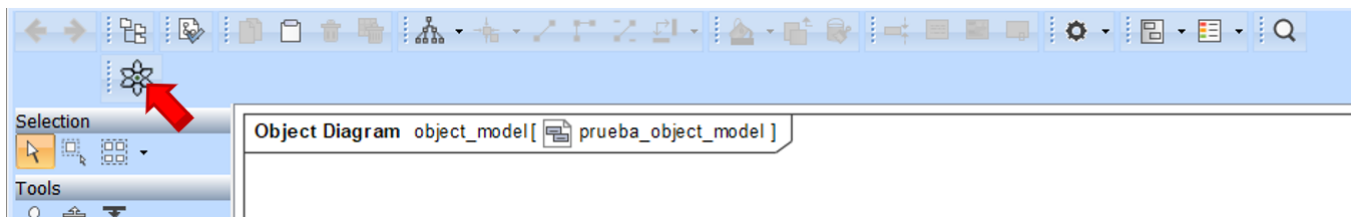

15. The installation was completed successfully!

2.- Belief Plugin

1. Close MagicDraw if it is open.
2. To install our plugin, as any MagicDraw plugin, the compiled files need to be added to the plugins folder of your local MagicDraw installation folder, i.e. in */MagicDraw/plugins/*.
3. The MagicDraw installation folder should be in the path you selected in **Step 7** of the previous section.

   These compiled files were provided with the experiment materials. After placing them in the plugins folder, the folder structure should be:

   - /MagicDraw/plugins/fusionPlugin/fusionPlugin.jar
   - /MagicDraw/plugins/fusionPlugin/plugin.xml
   - /MagicDraw/plugins/fusionPlugin/logoFusion.png

4. Open MagicDraw and create/open an Object Diagram. *Note that it is for object diagrams that our plugin to merge opinions has been created. Therefore, the corresponding functionality will not show up for other types of diagrams.*

5. You should be able to see the following icon in the toolbar:

6. If the icon is available, the installation has been completed successfully.

3.- OBS Installation

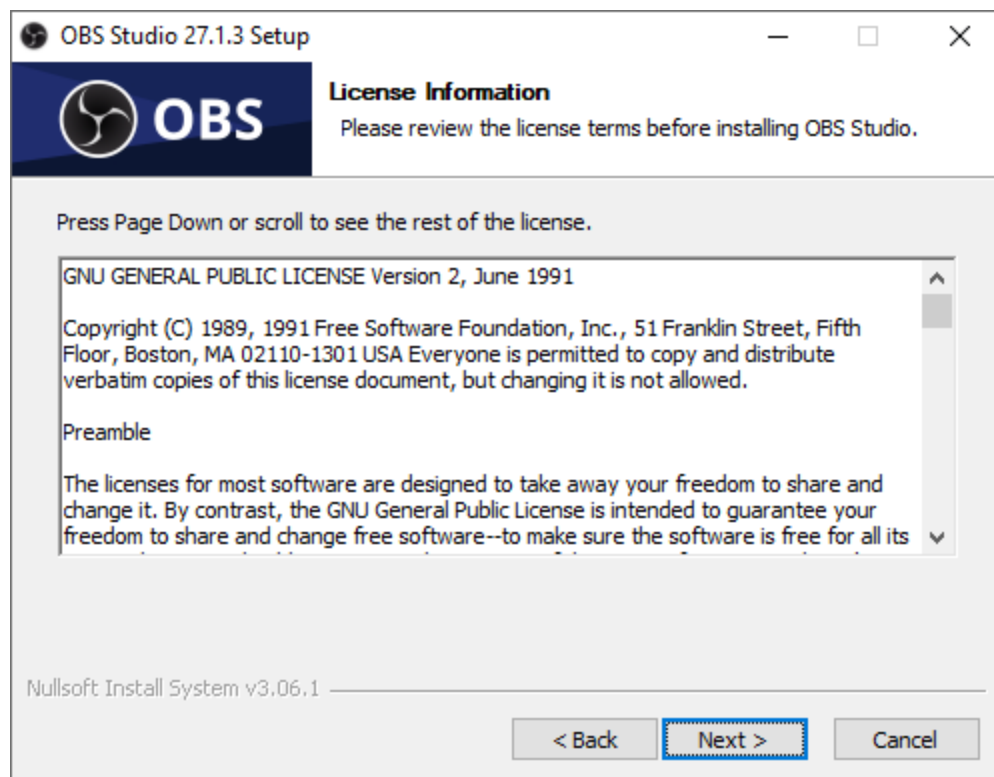To record the screens and the audio for the sessions, it is necessary to install OBS following these steps:

1. Go to the download page following this link: https://obsproject.com/download
2. Select your Operating System and click download for the corresponding version.
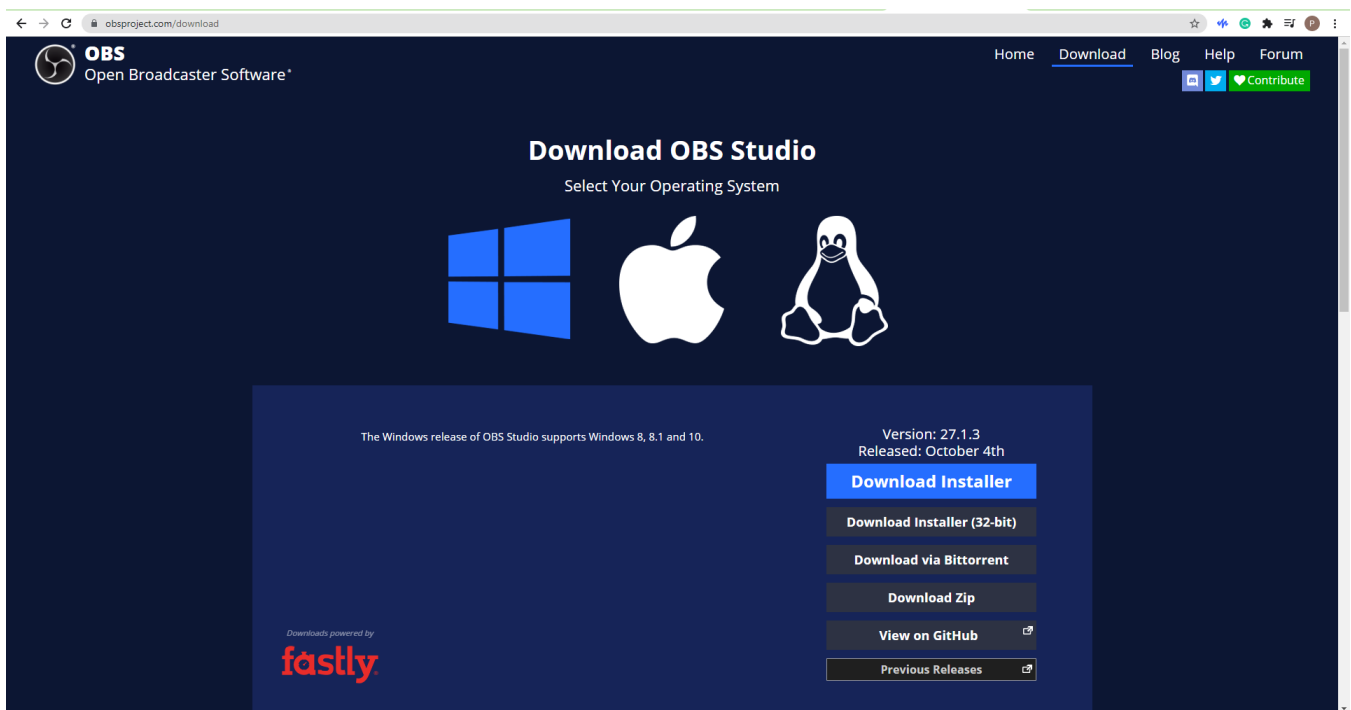
3. Execute the downloaded file and the installation wizard will open. Click "Next".
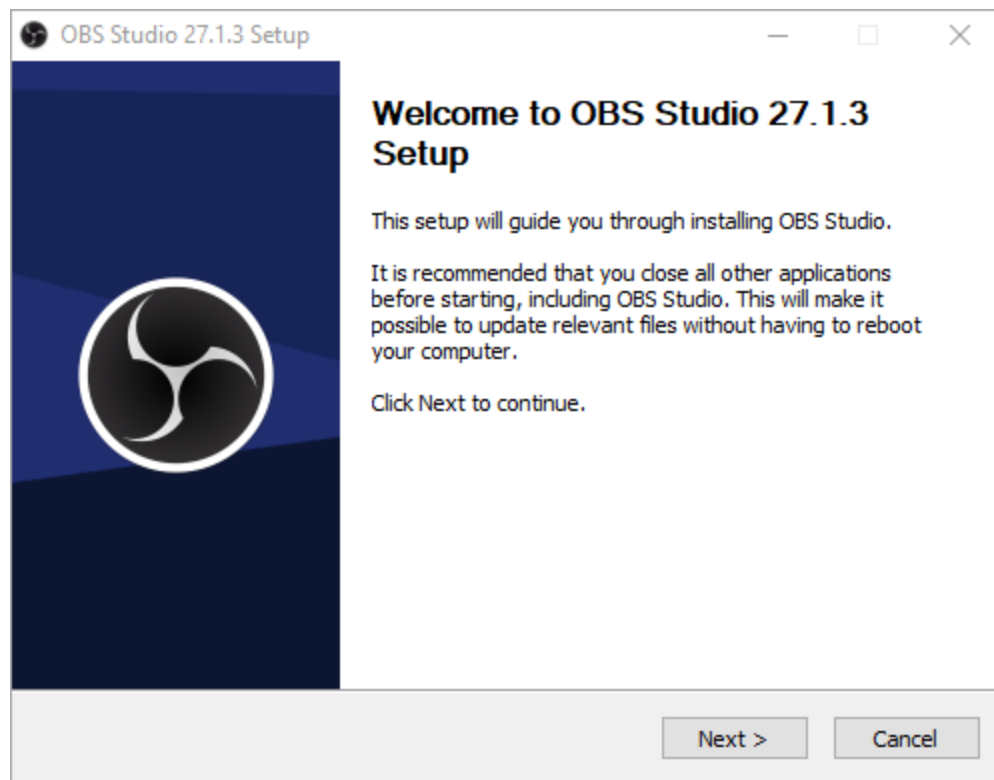
4. Click "Next".

5. Select the folder in which you would like to install OBS and click "Next".
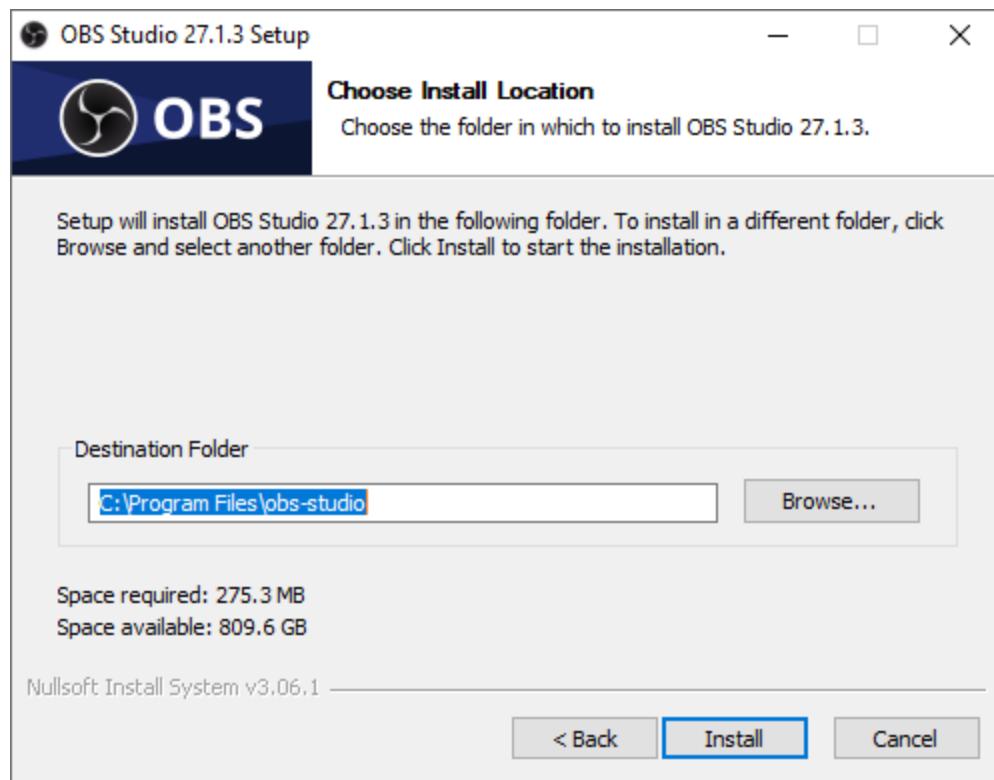
6. Wait for a few moments for the installation to complete.
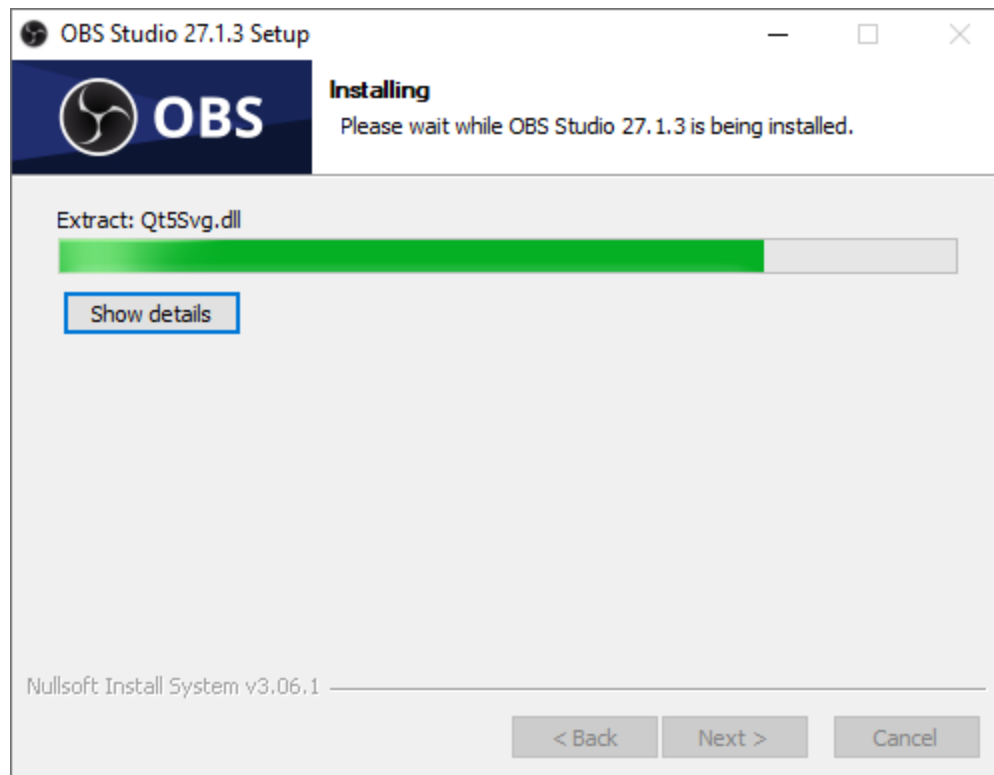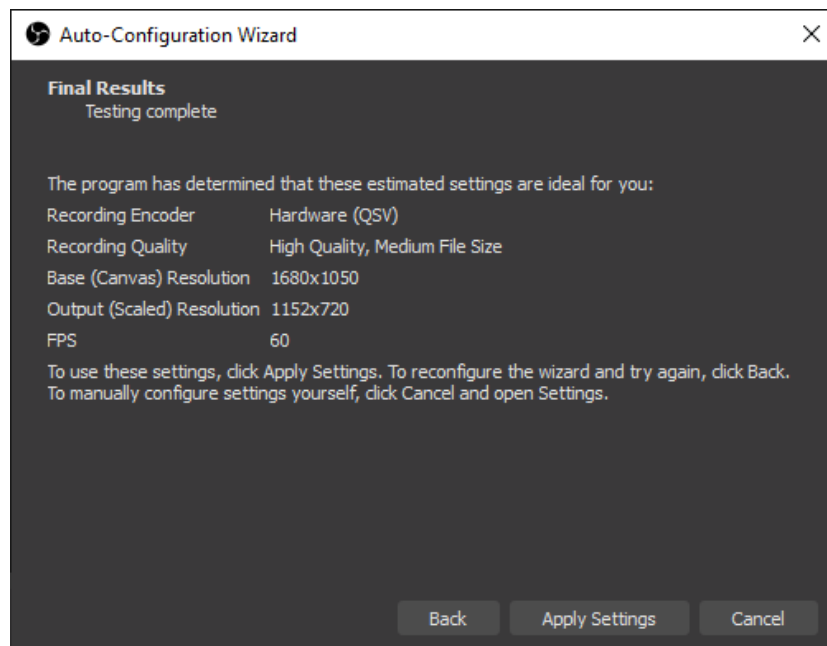
7. Click "Finish" to complete the installation.
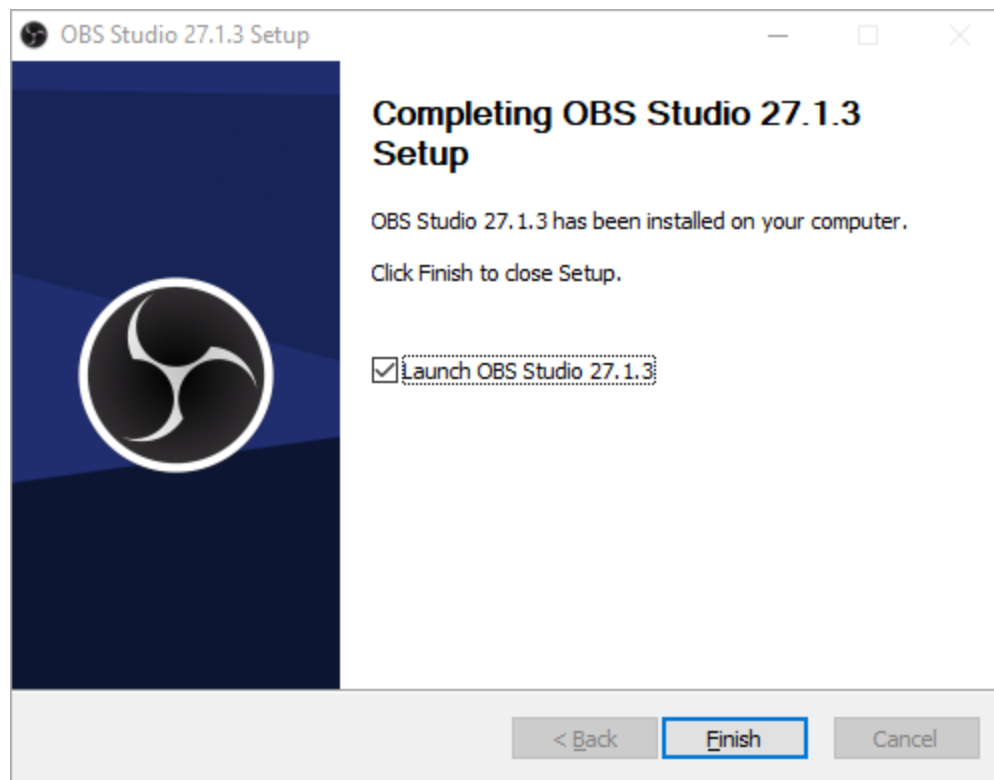
8. OBS will open for the first time and the auto-configuration wizard will appear. Select the second option *Optimize just for recording, I will not be streaming.* Click "Next".
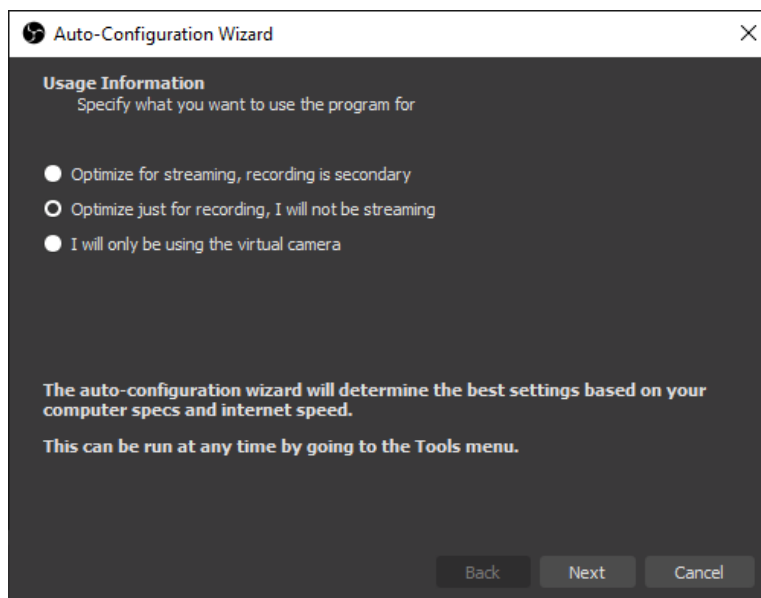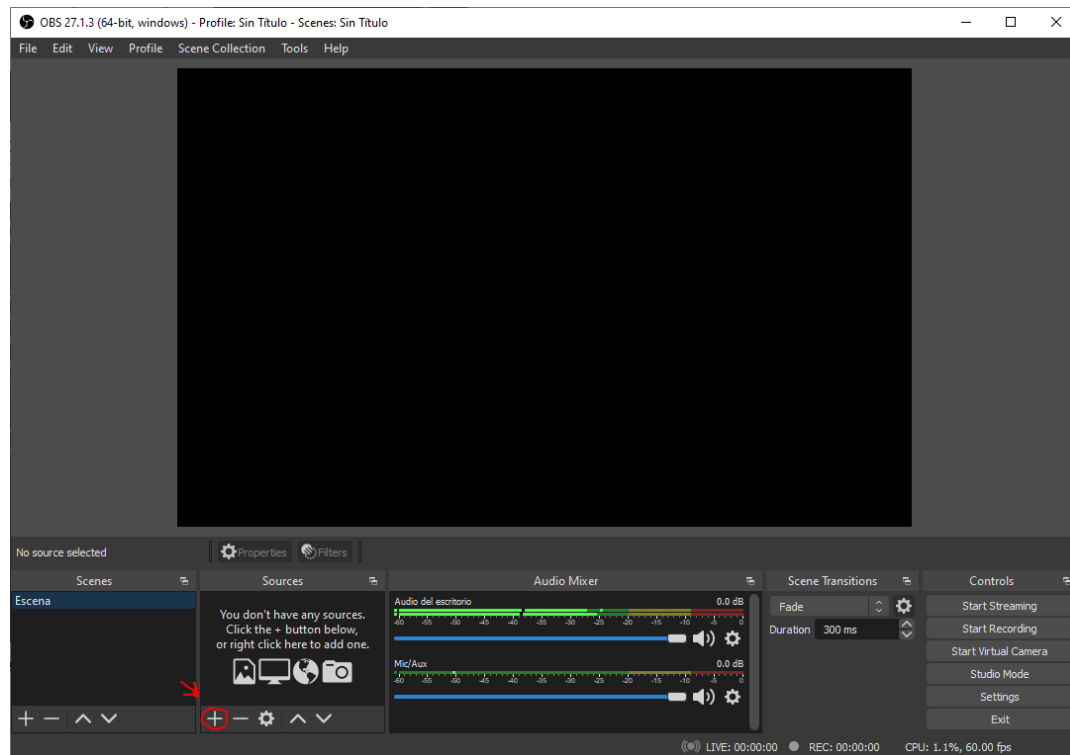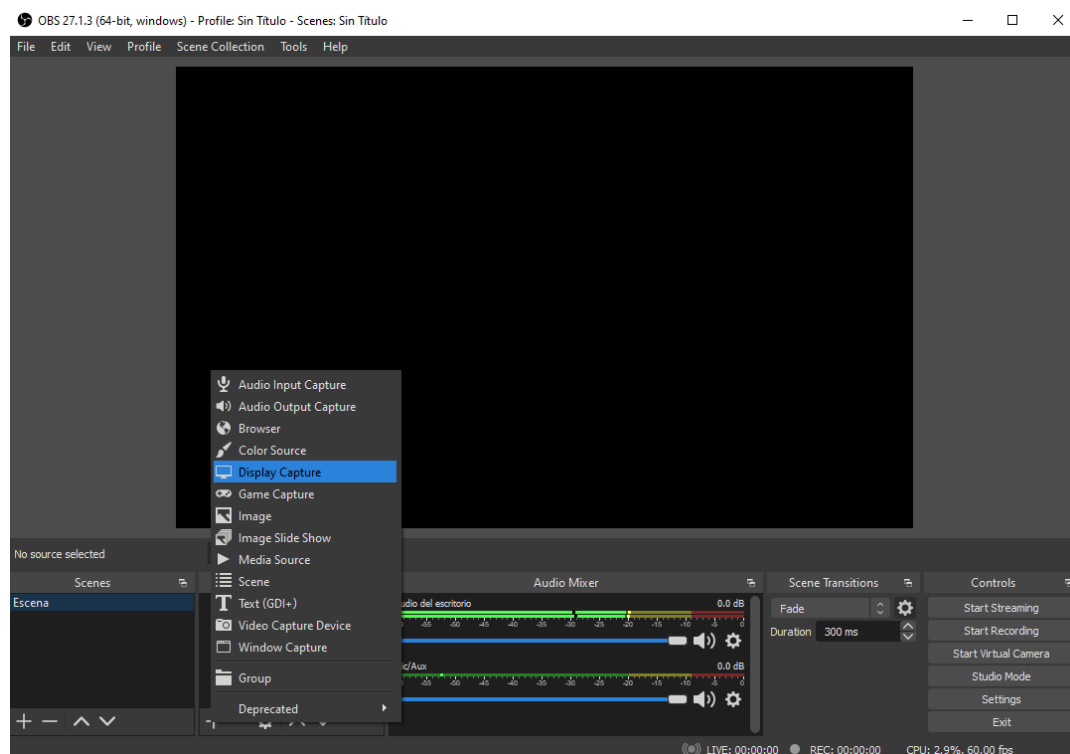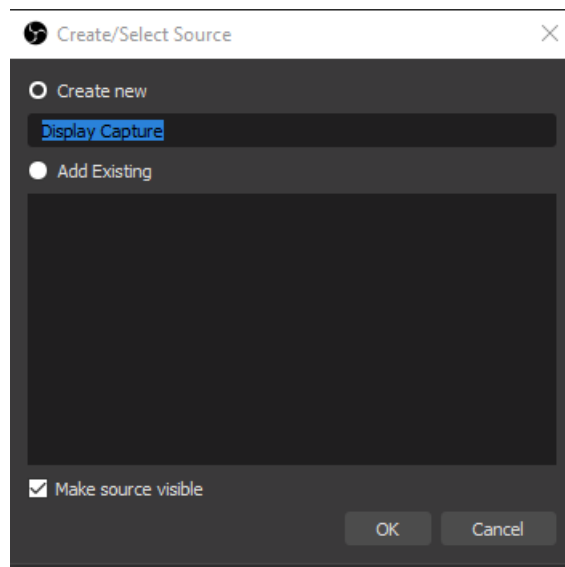
9. Click "Next".
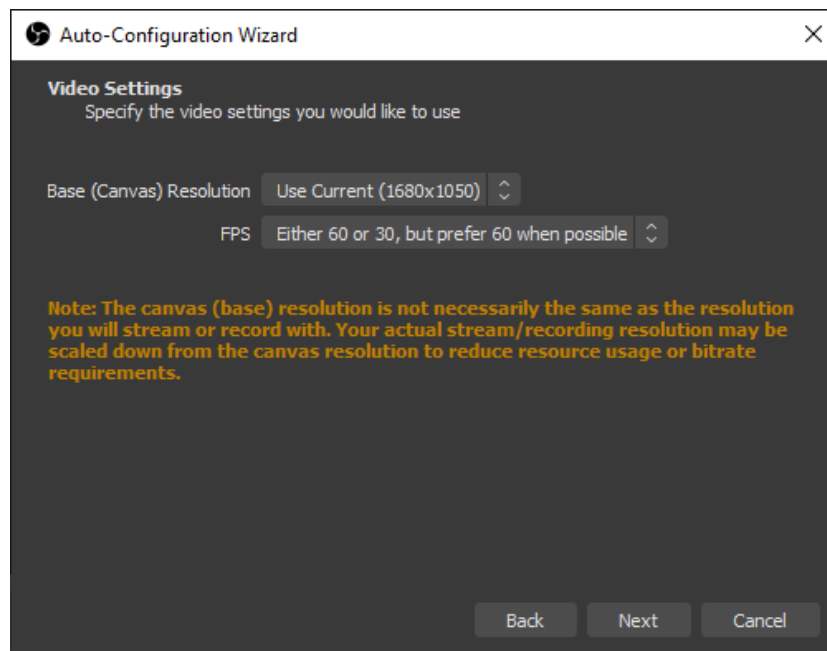
10. Click "Apply settings".

11. Now, we will configure the system to record your screen. In sources, select the "+" button.
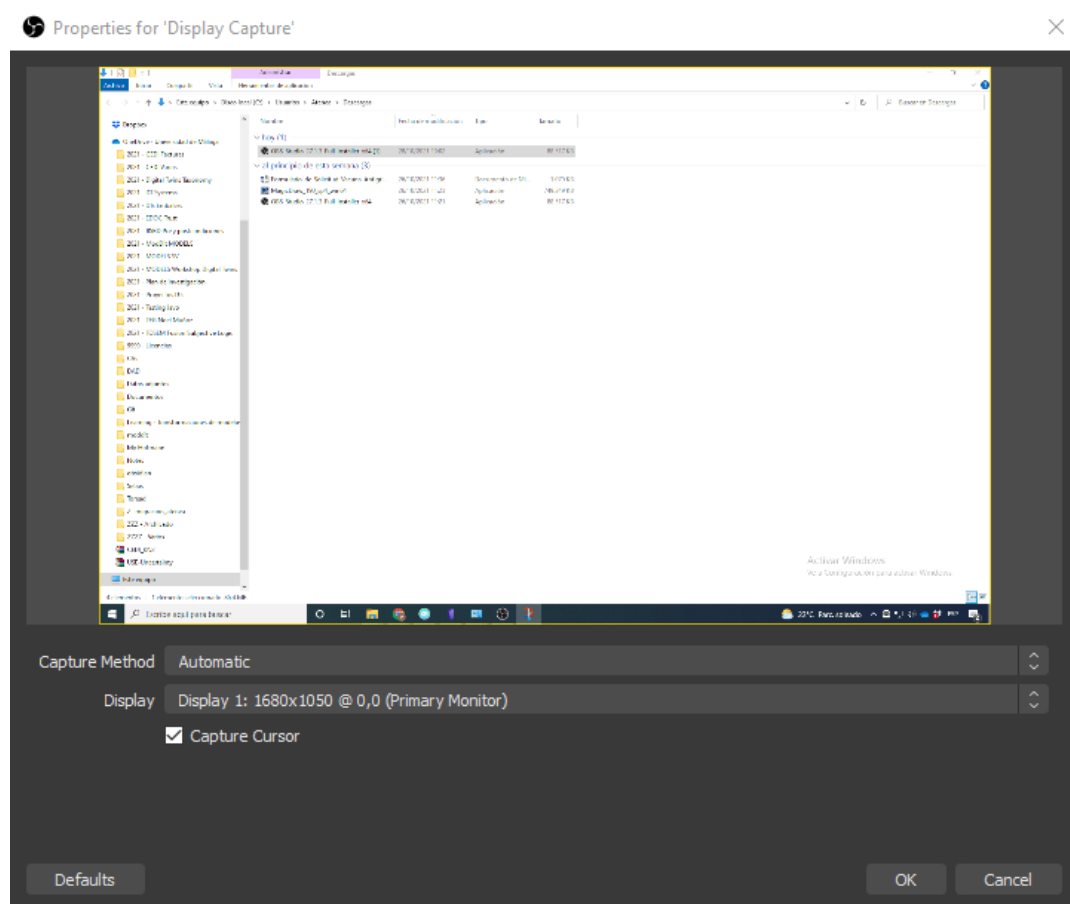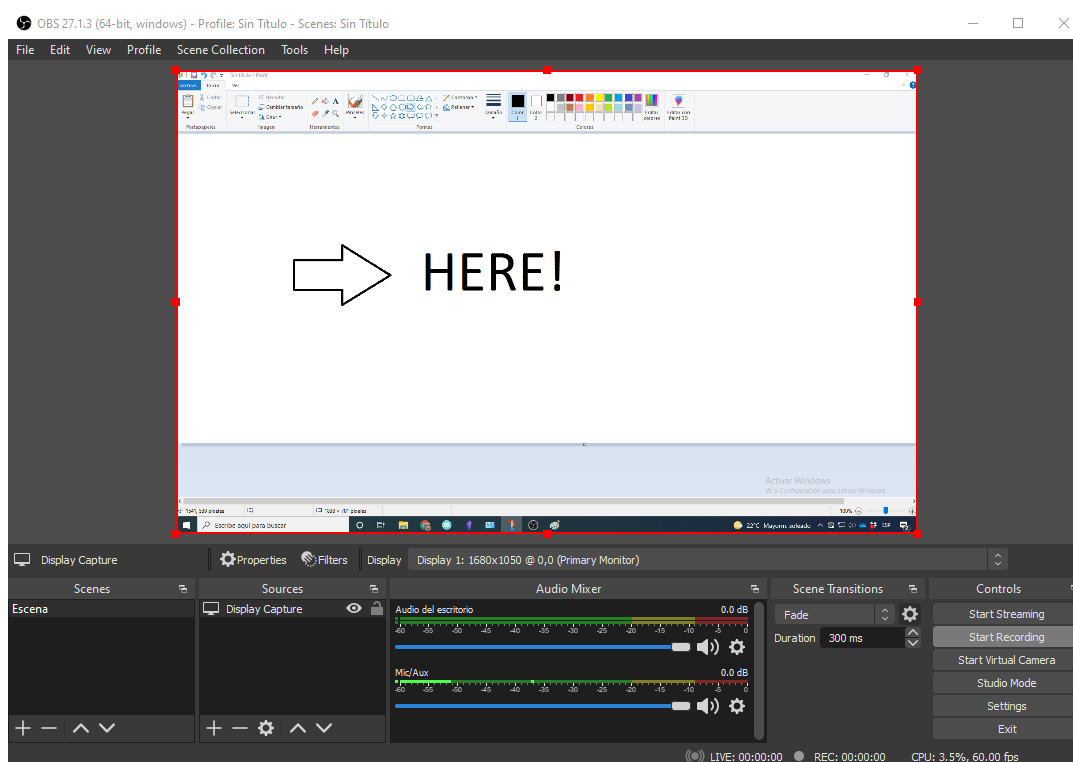

12. Select "Window Capture".

13. Select "OK"

14. If you have more than one screen, select the one you are planning to use for the experiment in the drop-down menu "Display". Then select "OK".

15. Once you complete the previous step, you should see the screen on which you are going to perform the experiment in the OBS preview. In the following image, the preview includes the text "HERE".

16. Finally, we are changing the recording format to mp4. Click "Settings".
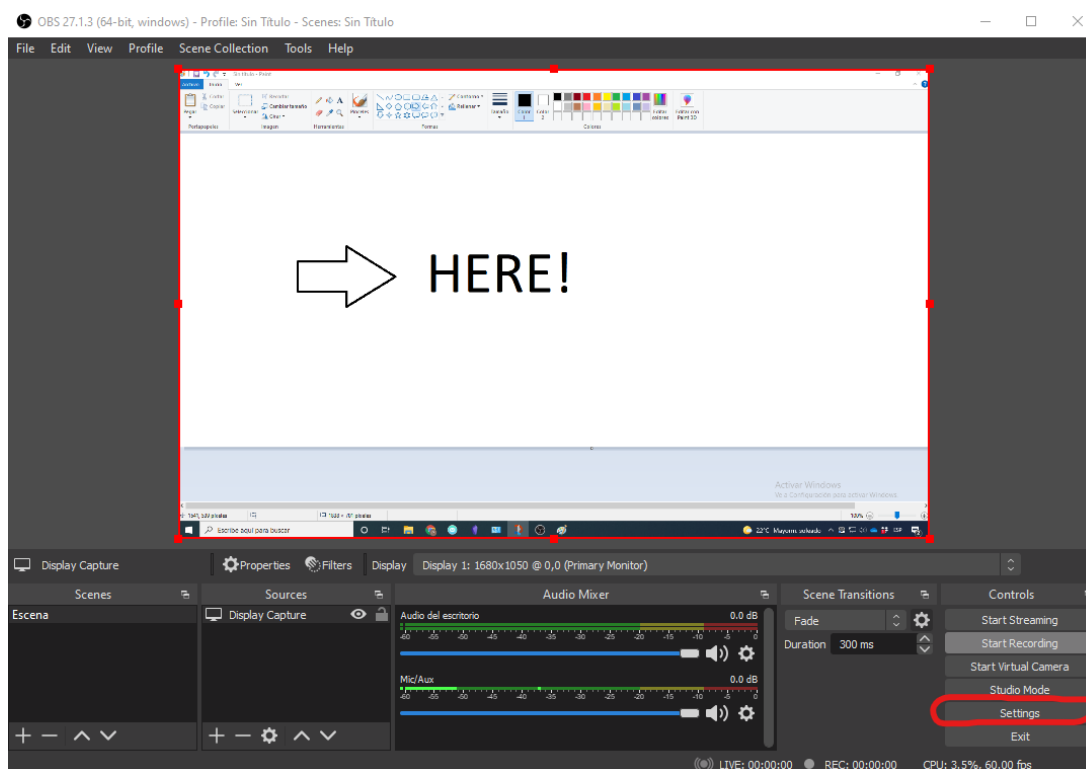
17. Select "Output". In the field "Recording Path", enter the path in which you want the recording to be stored. Then in the drop-down menu "Recording format", select "mp4". Click "OK".
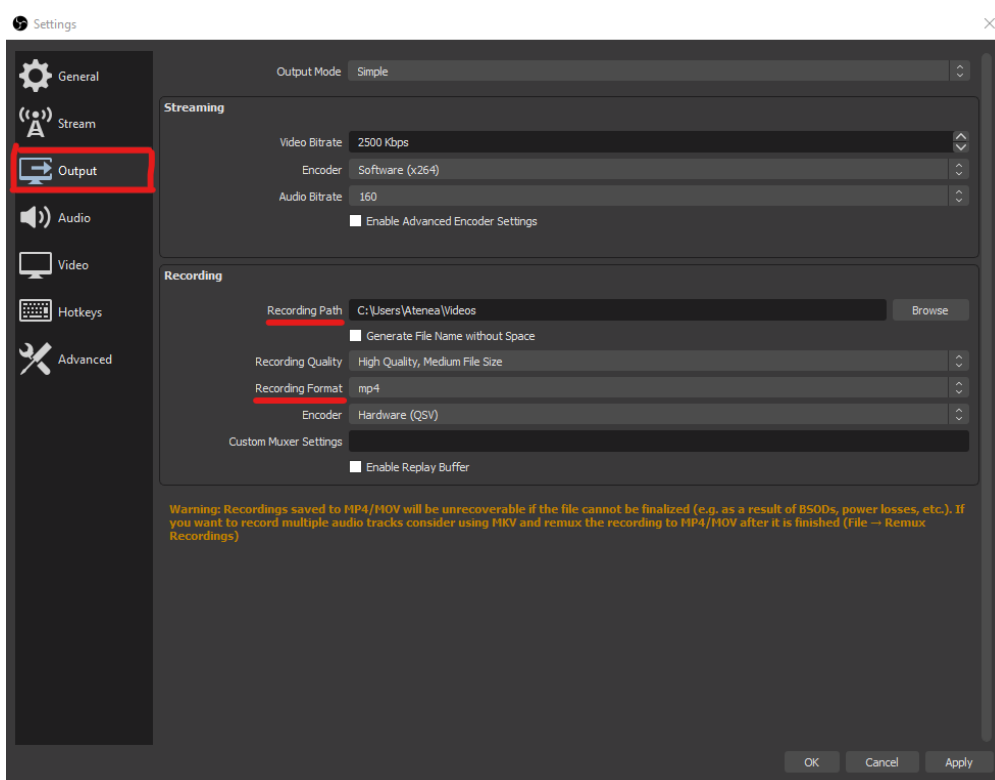
18. Now, you may start the recording by clicking the button "Start Recording". To stop recording, click on the same button.