

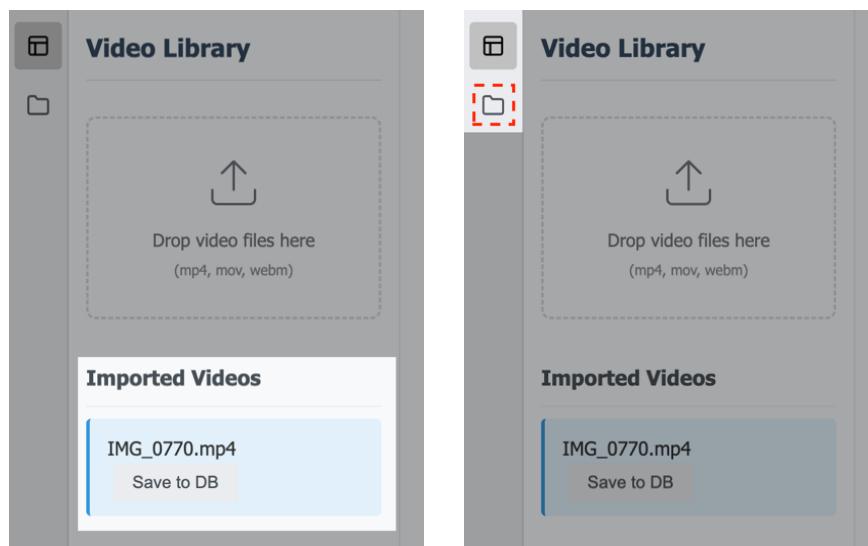
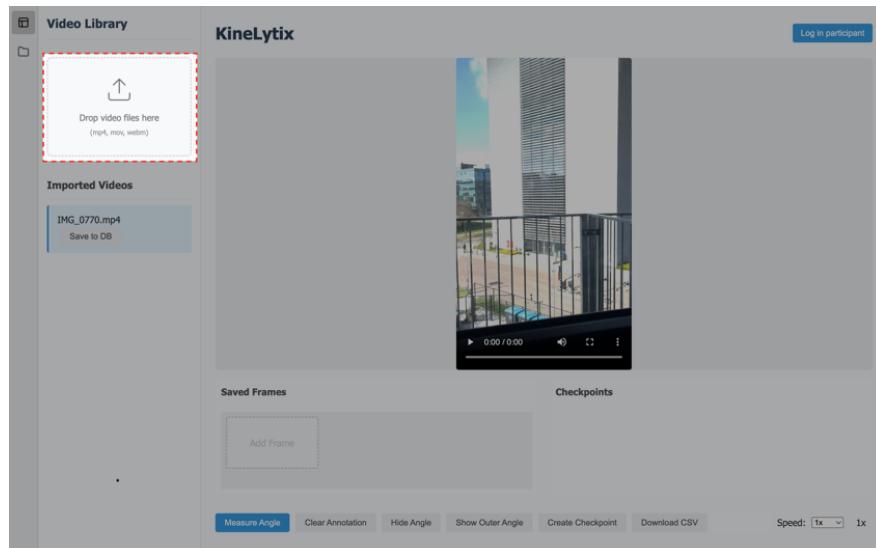
# USER MANUAL

By  
**Kinelytix**  
team

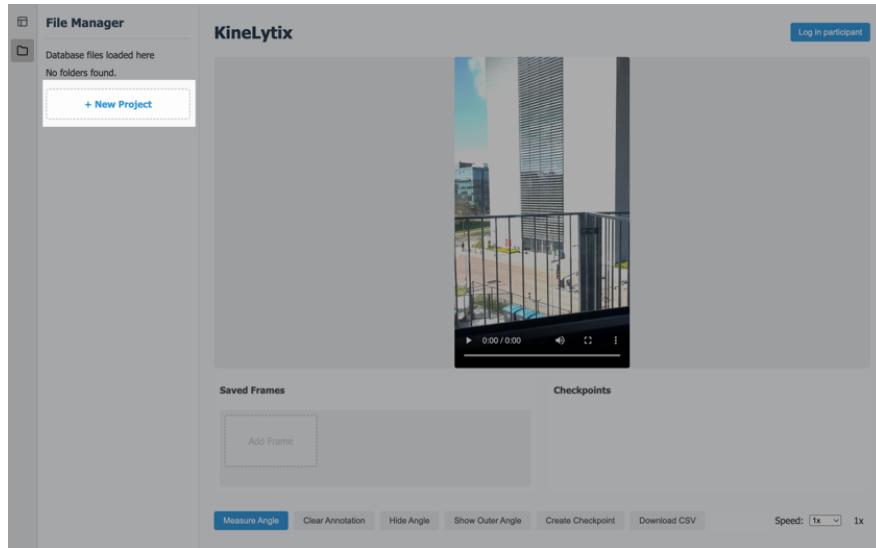
## Authors

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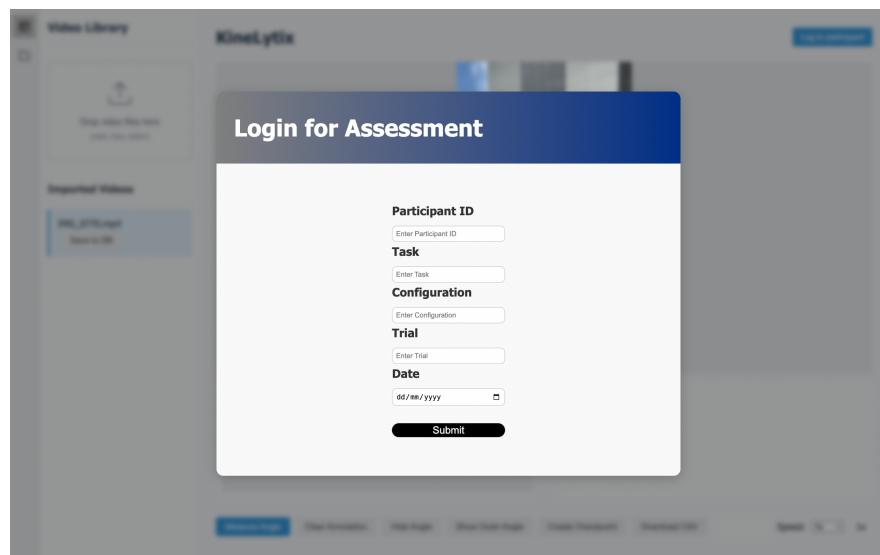
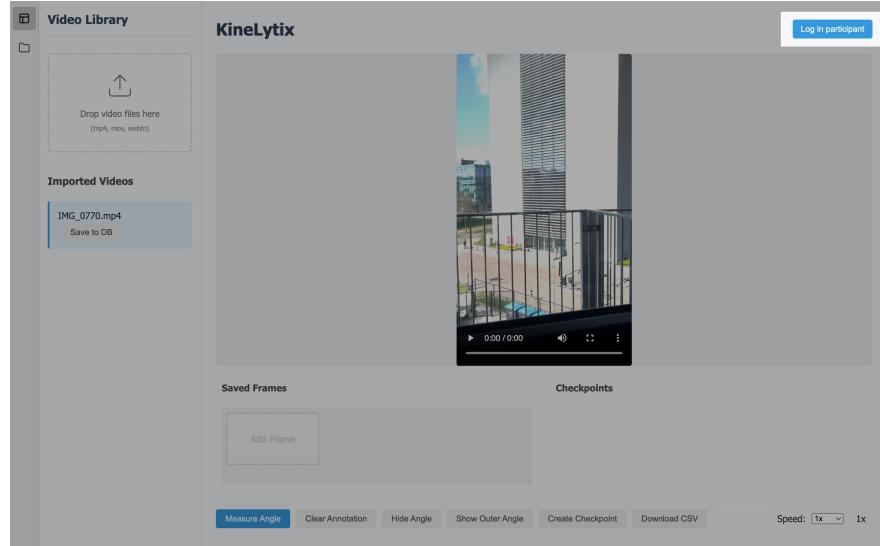
1. To begin, first import a video file into the drop box by clicking and using the file window to select, or by drag-and-drop. Once the files are imported, they will appear under the imported videos section. From there you may select which videos to edit.



2. Next, click on “+ New Project” in the File Manager, which you can find on the slide bar of the app, the second icon that looks like a folder. This creates a new folder where all your video files, angle measurements, and saved data will be stored in the database.

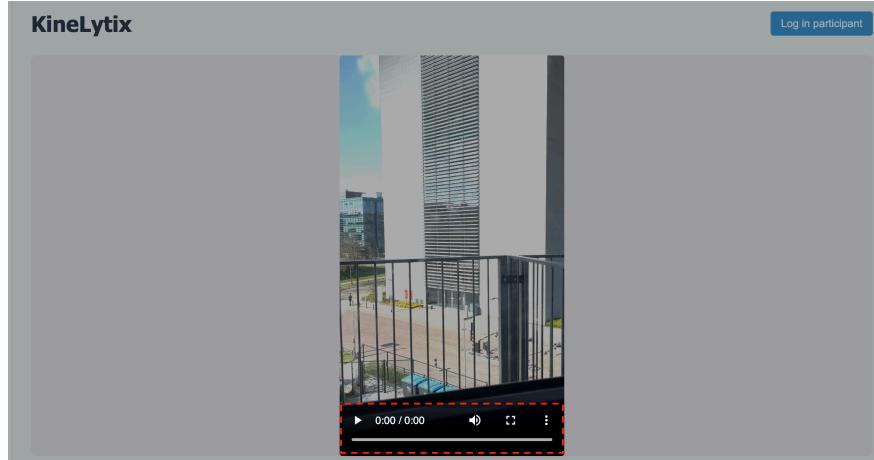


3. Next, head back to the video library, the first icon, and go to the **Login in Participant**, top right of the screen, and fill in the required information:
  - **Participant ID** – the code or number of the person you're testing.
  - **Task** – the movement they will perform.
  - **Configuration** – any setup details.
  - **Trial** – the number of the test if repeating (e.g., Trial 1, Trial 2).
  - **Date** – the day the test is done.



After submitting this information, you're ready to work with the video.

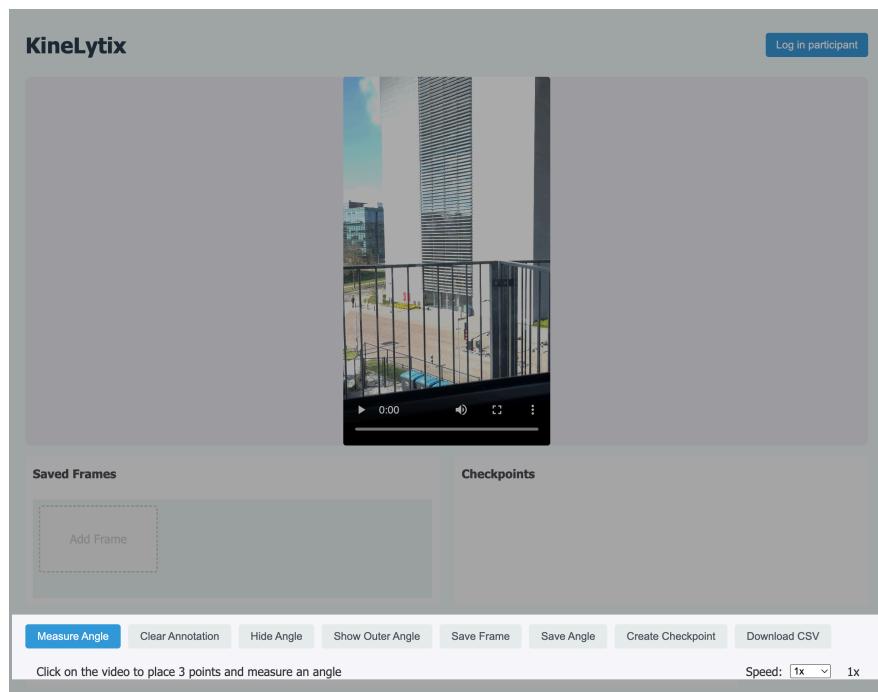
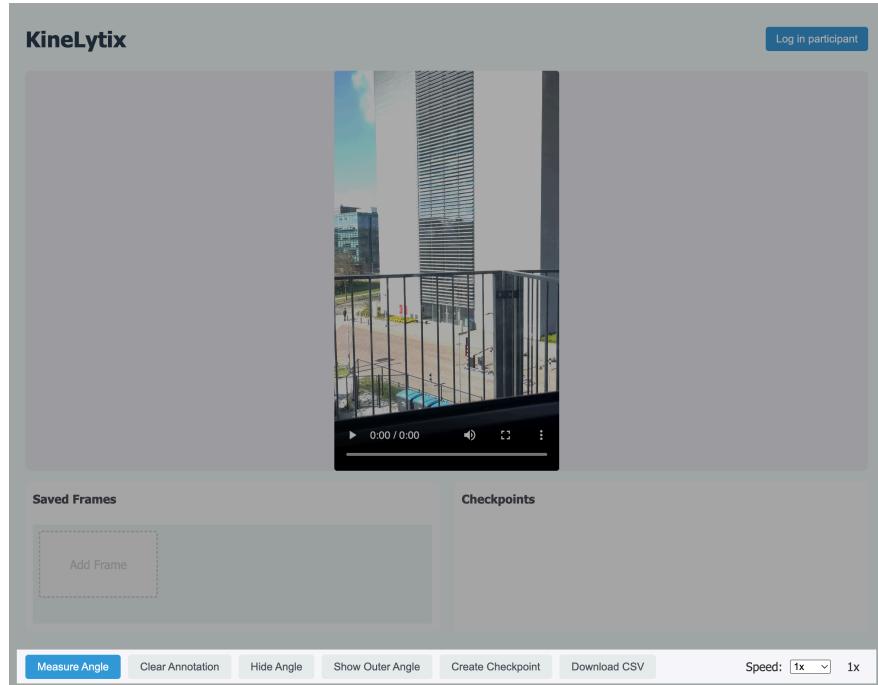
4. You can play and pause the video at any moment.



You can place points (markers) on the screen to measure the angle you want. You can do this by clicking the button "**Measure Angle**". This will prompt you to click on three points on top of the video to record the angle. You may also adjust these points by dragging them to your choice.

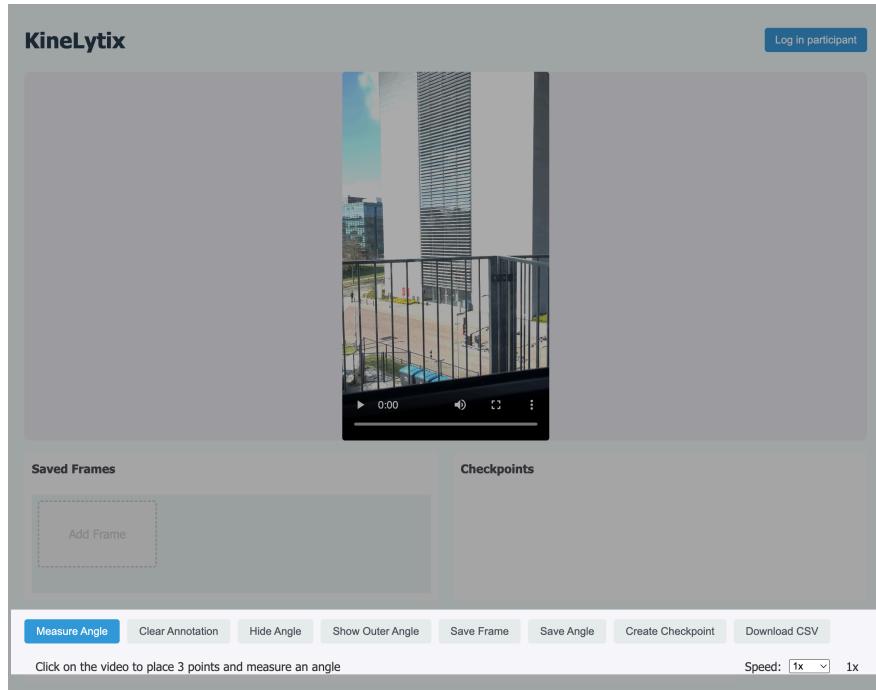
With the button "**View Outer/Inner Angle**", you can view the angle both internally (inside the joint) and externally (outside the joint), depending on what you're measuring.

Make sure to click on **Save Angle** to correctly save the measurement so it can later be stored into the database. Also use **Save Frame** to be sure to be able to go back to a specific time in the video where you made an angle measurement.



## 5. Other useful features:

- “**Hide Angle**”: You can **hide** the measuring tool from the screen if you need a clear view.
- “**Save Frame**”: You can take a screenshot of the frame if you want to compare different postures or angles later and then you can delete the ones you do not need.
- “**Save Angle**”: You can save the measured angle and also redo the measurement if needed.
- “**Create Checkpoint**”: You can create a checkpoint that saves the exact time in the video where you made the measurement, so you can easily reference it later.
- “**Clear Annotation**”: If you want to start fresh, you can delete everything and do the process again from the beginning.
- “**Download CSV**”: You can download the data file, which includes your saved angle measurements. (Not fully implemented here, due to time constraints)



This makes it easy to do your range of motion assessments quickly, clearly, and with saved results you can come back to anytime.

After you are finished analysing your video and want to store the video along with the video data, hover over your video under the Imported Videos section. Then, click on the **Save to DB** button, this will open a window. Where you may select which project folder to store the video and data. Under the video file section, you may select the same video file you were analysing. However, if no file is selected, it will default to using the same video file that was already imported. (Safe choice to leave it empty). Then you may give a title to the video file as you please to store it. Then click **Save**.

If everything is done correctly, under File Manager, you will now find the project folder, containing the video file you saved inside.

### **Export Data to CSV**

Now to export the data from your analysis to CSV, head to the project folder you wish to export. Make sure it is not collapsed. Therefore, it will show the ellipsis "...". Click on them, this will then show three options:

- **Export to CSV:** This will give you a CSV titled the same as the project folder. It will also contain the combined measurements and participant data of all the videos stored under the same project folder.
- **Rename:** Which allows you to rename the project folder.
- **Remove:** Allows you to remove the project folder from the database.