Getting Started With CacheCAD

CacheCAD is the software we use to manage our files in SolidWorks. Here is how to use it effectively.

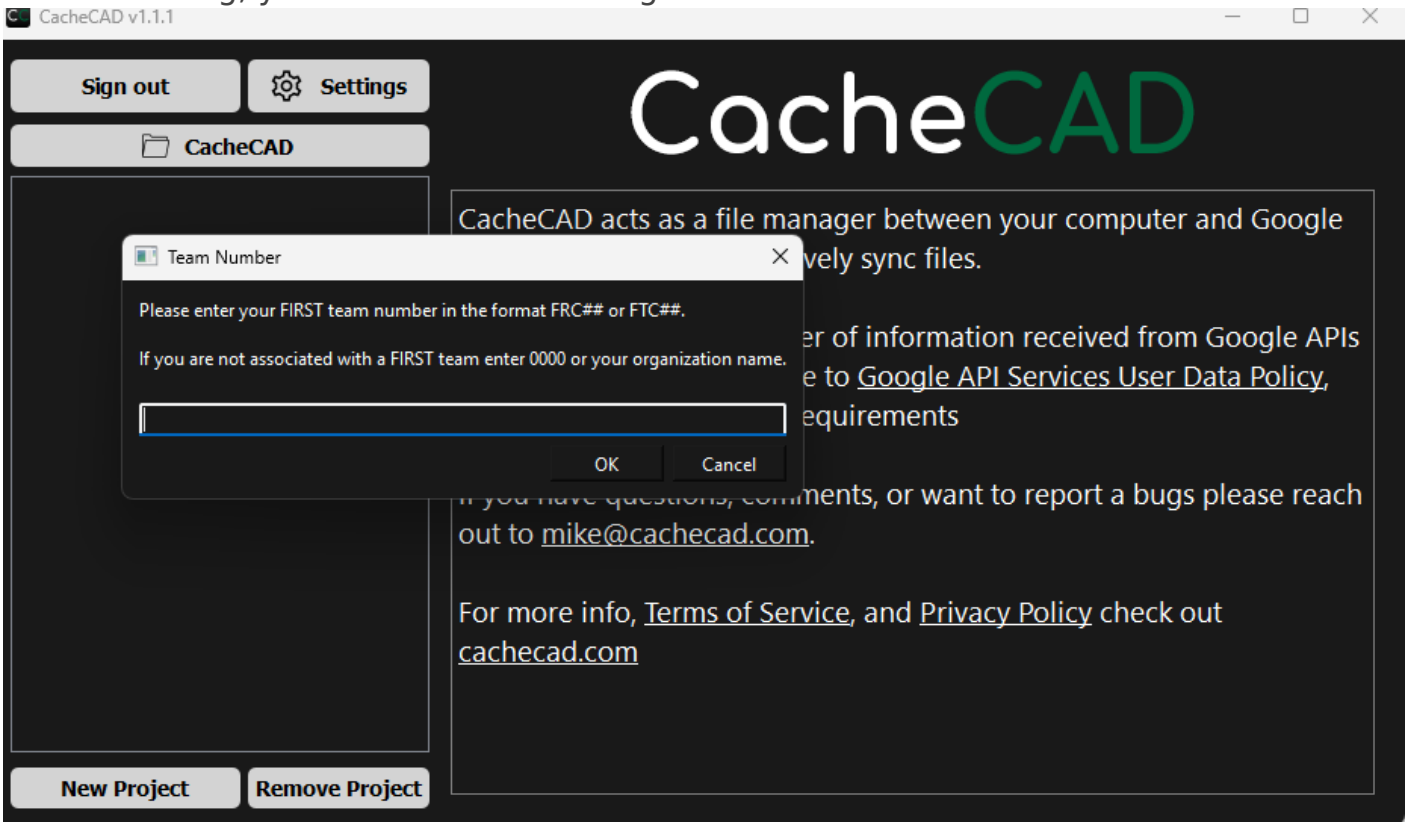
1. Installation

Use this installation link:

https://drive.google.com/file/d/1BaY2dzd9njdK8UrvhdGPG2ClQ6J_iNNR/view.

You may get prompted by Windows Defender. If this is the case, click the "More Info" button and select Run Anyways.

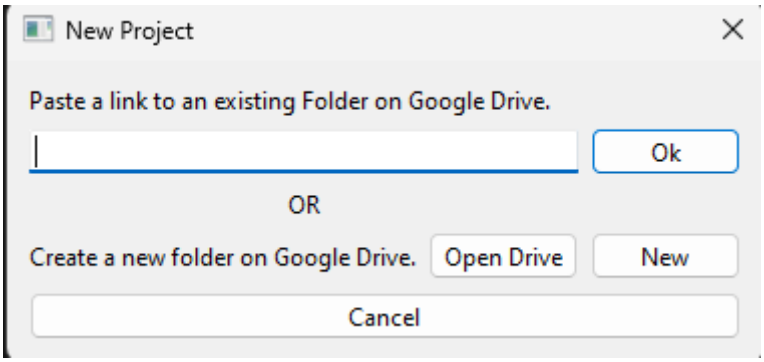
After installing, you should see this image:



Type "FRC3506" in the field (or FRC{your team number} if you are not on YETI Robotics).
Make sure to sign in with your Google Account in the top left or when prompted.

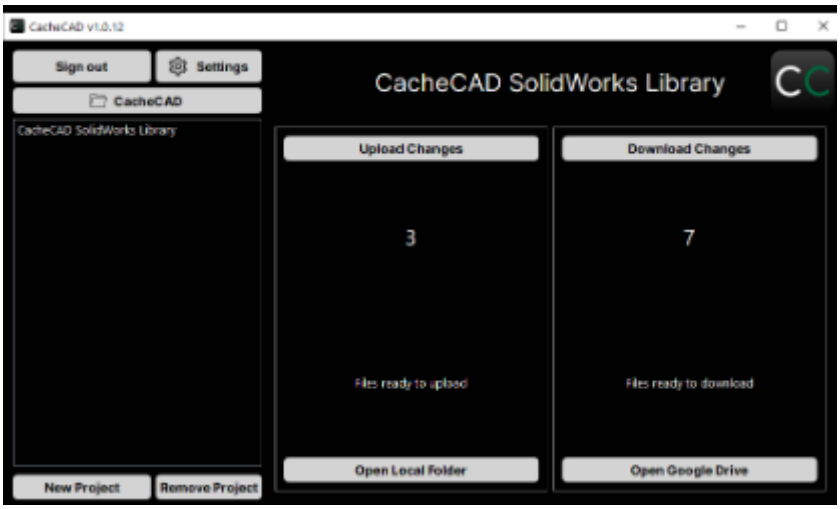
2. Making Projects

A project allows us to manage our files with Google Drive. To make a project, click "new project" and paste a Google Drive folder link to the field here:



3. Managing Projects

After making a project, it should appear in your left menu. Double click it to see something like this:

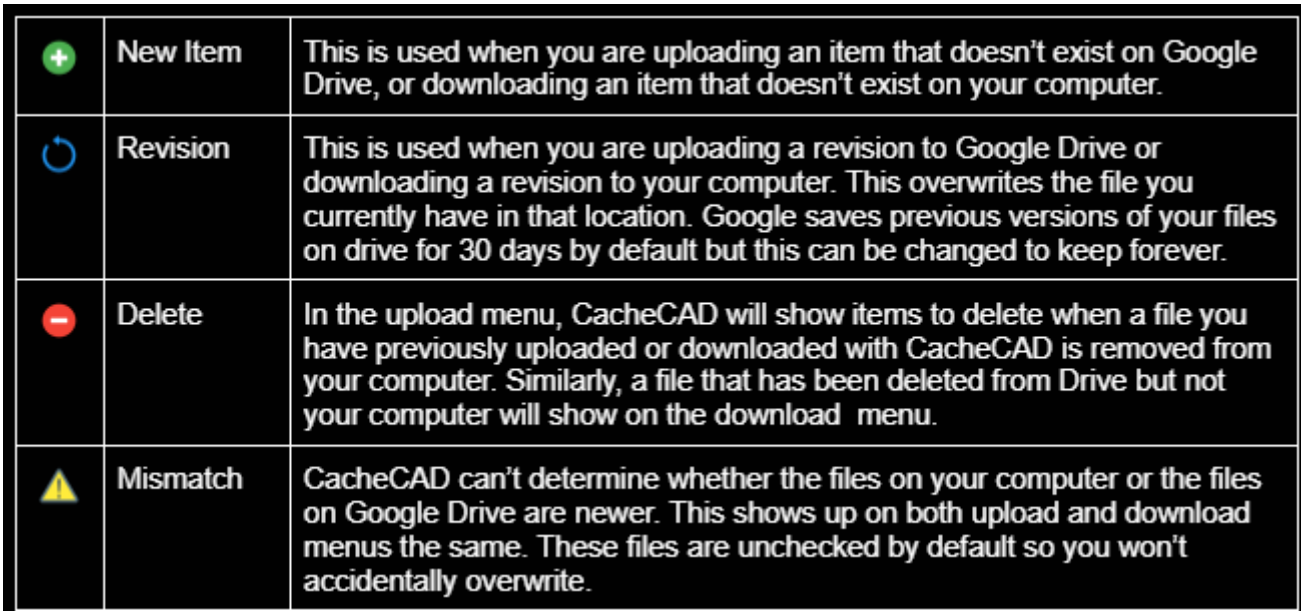


Upload Changes - Changes that you have made in SolidWorks that have not gone to the Google Drive yet.
Download Changes - Changes other people have made that you have not downloaded yet.

> Before working, **ALWAYS DOWNLOAD CHANGES!** This prevents your work from being overridden by others, which is incredibly frustrating. If you can, download at home to save bandwidth at robotics.

> In order to save something to CacheCAD, it must be saved locally in your CacheCAD folder, then your Project folder! To access this, click the "□□ CacheCAD" button in the top left of the CacheCAD UI, which will take you to the main CacheCAD folder.
> To access an individual project's folder, click "Open Local Folder" in the bottom middle. When saving from SOLIDWORKS, always "save as" and navigate to this project folder when saving, or it will not upload it when you upload changes!

When clicking upload and download changes, you can select which changes you would like to make by ticking the boxes. There will be 4 icons next to the changes, which are the following:



	New Item	This is used when you are uploading an item that doesn't exist on Google Drive, or downloading an item that doesn't exist on your computer.
	Revision	This is used when you are uploading a revision to Google Drive or downloading a revision to your computer. This overwrites the file you currently have in that location. Google saves previous versions of your files on drive for 30 days by default but this can be changed to keep forever.
	Delete	In the upload menu, CacheCAD will show items to delete when a file you have previously uploaded or downloaded with CacheCAD is removed from your computer. Similarly, a file that has been deleted from Drive but not your computer will show on the download menu.
	Mismatch	CacheCAD can't determine whether the files on your computer or the files on Google Drive are newer. This shows up on both upload and download menus the same. These files are unchecked by default so you won't accidentally overwrite.

Double-check the symbols before messing with files.

> If it was not clear before, **ALWAYS DOWNLOAD YOUR CHANGES BEFORE WORKING!** I cannot stress this enough: work will be deleted when you do not download changes.

When in doubt, ask a veteran, mentor, or see the user guide here.

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