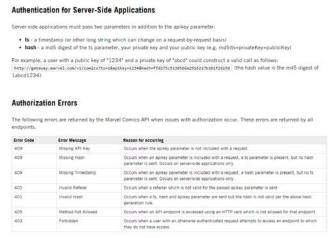
## Philip Jarrett CS 290, Spring 2017 How-To Proposal

I am choosing to do the Marvel Comics API (pre-approved list) for my how to guide. Instead of allowing access to just specific comic book issues, this API gives methods for fetching six types of resources (comics, comic series, comic stories, comic events and crossovers, creators, and characters). The endpoints for the API only accept GET requests. Once an API key is obtained, the developer account allows you to restrict API calls with that key to a specific domain, a nice security feature.



One early challenge I came across, is the protocol for passing authentication (see picture to left). I don't have experience with hashing, but the procedure seems fairly straightforward. The ability to make calls that can filter various events in the massive Marvel universe should provide ample enough material to write a how to that is challenging but not possible before the project due date. Using the interactive documentation I was able to make a test call for the maximum carnage event in the Spider-Man story line and Spider-Man's character id. This returned (among

other things) a list of characters involved, and a portrait. As part of my how to I plan to show how to do a few queries in increasing complexity and return information about the comics, including the portrait returned.



The API returns partial paths to

images, and the full path must be built based on the size of image you want. Above is an example of the "x large" version of the portrait returned from my test call. Below is an example of my event test call using the fantastic interactive documentation. I'm look forward to writing this guide and working more with this fantastic API.