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Application Programming Interfaces (API) is an interface that allows programmers to share critical information that is needed. For example, when you search “weather” and your zip code with google, a windows will pop up on Google’s page to display a small window with weather data for your location. How can a school benefit from this?

Colleges through the states use a tool called Canvas to display useful information towards their students such as grades, assignments, discussion board, and more. By using API, it will allow professors and admin to display all necessary information that is vital for student’s everyday means. I know a lot about Canvas and their API’s because Im currently a programmer for a local community college in NJ. I’m currently working on creating an API that can grab data such as Course ID and link it to a software that is heavily utilize with majority of colleges called Colleague UI. We want to allow professors to POST, GET, UPDATE, and DELETE grades from Colleague UI within Canvas so professors don’t have to go back and forth between applications. Another option is having the ability for students to register for classes. Self Service (SS) is what we used at our college to allow students drop and add courses when registration opens up. Self-services has a lot of API’s. Every now and then, SS has new patches\updates that are needed in order to receive those new API’s. Registration is one API and another one that I am currently working on with HR is called Leave Request where employees can request time off for sick and vacation time as well as having the ability to approve time off as well.