Modules:

We will be implementing a drop down menu section and an input section to receive the information for each individual school. The next module is a drag and drop section where the user, or users, select what subject goes to what SOL (Standard of learning). Another module we will implement is a dictionary module for any CS terms some teachers may not be familiar with. Finally, we will have an output screen where the final result will be displayed and can be saved or emailed.

IPO chart:

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| School name and grade level | Use the input to grab the necessary information needed and stores in the proper place | All the SOLs for the grade level using grade level input. |
| Individual teacher information (name, email, role) | Stores the given information to use later on | Will email a copy of the results to the given email from input. |
| Drag and drop the subjects to the SOL | By getting the grade level from earlier, we display all the SOLs for that level and allow the user to freely drag and drop any of their subject (four core ones and more can be added manually by the user) to any of the SOLs and have as many subjects as possible on each individual SOL, but every SOL must have at least one subject. Users can also add notes to each SOL | Once all SOLs are matched, they will get a result screen with each SOL, a short description and all the subjects they matched to it as well as any notes. This page can be saved or emailed as they like |

Process flow:

Display result and download/ email

Allow user to drag and drop freely

Display all necessary information

Get all input information from user

APIs:

As of now we are not planning on using any APIs other than ones that we will be making. We may use a public API to implement the dictionary, but we may also do that by hand.