Hello everyone,

We are SAM, and today Jonathan and I, Lacie would like to demonstrate to you our Orbital project, the CORS ADVISOR.

In our previous videos, we mentioned 3 promised features about our application. Firstly, it is to organize the data collected from CORS and display it into a table. This will save a user the trouble from clicking several websites just to find out the yearly bidding records.

Secondly, it is to show the past year bidding records as a trend graph and provide a more visual understanding of the yearly bidding patterns.

Lastly, we promised to deliver sound advice to the user on the amount of bidding points he/she should place on the module.

To implement all these features, we need to first extract a mass amount of data from NUS CORS. We decided to do that by building a python web crawler and using the python library beautifulsoup. Our crawler allows us to use regular expression to filter out the useful websites and extract the information within. After extraction, we created two objects: Module and Bid Information. Usage of Reference Property will allow us to point several bid information to the same module object. In this way, we won’t have to duplicate our module object. Afterwards, we stored our objects into our local server, deployed the application, and used command prompt to upload all the data from our local server into the google app engine.

Now, let us show u our prototype.