V Evaluation

5.1 Functional Test for API Test Tool

Figure X shows the testcase that we plan to realize. There are three main areas in this tool. The first one is about the URL be entered in and the kinds of interface client want to get. In this area, we design five main input condition. They are Normal, Basic Auth, Digest Auth, OAth 1.0 and No environment. The testcase of the Normal can be seen as a basic model for all the other three conditions. The client can input the URL and send it in this area. The several kinds of interface requests also can be chosen here. The preview bottom in this area can check the basic data of previous URL. The add to collection bottom can save the URL client want to collect. The Basic Auth, Digest Auth, OAth 1.0 all have different additional conditions. In this area, we realize all Normal, Basic Auth, Digest Auth and OAth 1.0 conditions. The function of No environment is what we didn’t complete. Besides, when it comes to interface request, we realize Get, Post, Put and Delete here.

The second main area shows the data of the interface in different kinds of types. Client can choose the Pretty version, Raw version or click preview to see the website of the URL they enter in. There also a toggle bottom which can used to zoom in or out. The Cookies and Headers of the URL also can be checked in this area. We basically implemented all the functions here.

The third main area contains the collections and history, all the history query log and collections can be found in this area. We also complete all the functions as planned in this area.

