**Documentation on architecture and design**

Working

First we have to create a program named Urldatabase. In the main function, we ask for input inside a while loop. It will run until the while loop condition becomes false. Using a try method, we split the commands. Split the input based on the index. We will get command from 0th index and store it to the cmd and link in the 1st index.

In the ‘store’ command, first we will look whether the input command is already taken, if yes then it will output already exist command. If not, it takes and stores them. Since we have taken an array of url as object, we can take more than 1 url and can store them. The ‘list’ command will print the list of url that is stored with their unique short key. Here, UUID is used to generate the unique short key. The ‘get’ command counts the number of times a url has been called and saves the value in the variable count. The count gets incremented each time get command is called for that specific url. For terminating, exit command will terminate the program.

**FLOWCHART**

