# One page Description

### Search for  proper project

For two weeks I was searching for the proper project in 3 repository (Github, Google.code, Sourceforge ) and after testing variety of  project first I chose a project with 2 commiters but then with consulting you I replace it by towlio- sharp tht has more commiters.

### Contact with core developers

I send an email for 3 core developers (devin@twilio.com,  johnsheehan@gmail.com,  matthew@mercuryit.co.uk) that after one week Devin answered: ” We gladly accept pull requests, so your always welcome to fork the project and fix issues.”. and also one of the core developer asked about project debug that I explained him .

### Running without Error

I needed to run this project without error on both “visual studio 2010” and “visual studio 2012”.

Because for producing the metrics I needed code analyzer of  “visual studio 2012” and also I needed “visual studio 2010” for debugging the code  because “visual studio 2012” needed a lot of resource and in my machine was very slow.

**3 weeks** I hardly worked to run the project without error on both “visual studio 2010” and “visual studio 2012” , because as you know Twilio consist of 8 projects that are variety type of project(silverlight,mvc,webmatrix,...) and for solving the errors I had to spend time to know about variety type of project.

Remark: if the solution have even one error project analyzer will not work and will not produce the requested metrics.

### Finding bugs

After running without Error I needed to find some bug that I find out there is a list of Issue in Github which is not assigned to any body. But as I show you in github the explanation is just one or two line and Twilio has 8 projects, then understanding the issue and finding the related code and reproducing the issue to analyzing what is the root of  issue was difficult. you consider how can be difficult, in this short time , going to the project that start from 2007 and many developer committed in it. **And also for starting debug I have to read the documents to write the proper debug code which is working with part of original code**.(registration , getting proper key,...)

 First bug That I chose was about Restsharp issue that was out of zone of project and was reported as Restsharp issue by one of core developer(Devin).

The second bug was about conflict of two overload that I solved it by adding an argument exception.

The third bug was about lake of filter on the list of account that I solved it by adding an overload to filter by state. That we review all this three bug with you in your office.

Remark: I think my mistake was in the commit time I didn't remove the debug project and It made core developer confused. As it made a lot of question for you as well. but as you saw my solutions was correct.

### Pull Request

My pull request link: <https://github.com/twilio/twilio-csharp/pull/104>

### Study abut Project history and Licence

I read about this project history(such as commiters ,commits, core developer, techniques are hired in this project like Nugit,,.... )that you can see in my Milstone1 and final report. And also about different type of licences that Twilio choses the “Apache License 2.0” that is compatible with GPL 3, and we can use them as a dual licence.

### Two presentation

Also in this course I had two presentation first about “CI” that we worked two week hardly with our team members for it.and second about broject presentation.

Remark: At the end I wanted kindly ask to consider I was **alone** in this project .