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| *Software Engineering-1*  *Software Requirements Specification*  *For*  *Web-Service to code* |
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3. ***Introduction***
   1. ***Purpose:***

**The purpose of this project is to help developers to integrate/consume a soap web service into his/her final application.**

* 1. ***Scope:***

**This Software system is created to help developers in their java application and generate a classes methods from WSDL. This software will be a (Web-Service to Code) application, it should take the web-services WSDL link or source code as an input and generate the required classes/methods stricter to encapsulate that web service.**

**Furthermore, this software should provide a way for user to preview, alter/modify the generated source code files manually. The user of this software can easily use change the code and view it. As a first version The Webservice2Code application should support .net soap web-services for java platform (including android). This software must have a simple interface so that any developer could use and benefit from.**

* 1. ***References:***

1. [**http://www.nyu.edu/classes/jcf/CSCI-GA.2440-001/handouts/Assignment1SampleSolution.pdf**](http://www.nyu.edu/classes/jcf/CSCI-GA.2440-001/handouts/Assignment1SampleSolution.pdf)
2. [**http://www.site.uottawa.ca/~shervin/courses/seg4105/project/SRS.html**](http://www.site.uottawa.ca/~shervin/courses/seg4105/project/SRS.html)
3. [**http://www.jaysonjc.com/programming/how-to-write-a-software-requirements-specification-srs-document.html**](http://www.jaysonjc.com/programming/how-to-write-a-software-requirements-specification-srs-document.html)
4. ***Functional Requirements***

#### Use case: submit the WSDL

**Diagram:**

developer

Submit the WSDL

**Brief Description**

The developer must input the WSDL link or source code to the software.

**Initial Step-By-Step Description**

**Developer must open the software , he\she must click in the WSDL source button.**

1. System view two option either the WSDL link or WSDL code
2. The Developer chose the case he want.
3. The System must check it to valid the WSDL if developer must check the WSDL.

#### Use case: Create the code

**Diagram:**

developer

Create Code

**Brief Description**

The developer chose to create the source code and save it.

**Initial Step-By-Step Description**

User must click in the create code button.

1. Software must make sure that the developer Submit WSDL.
2. Developer must chose the place to save the source code file.

#### Use case: modify the code

**Diagram:**

developer

Modify the code

**Brief Description**

The developer chose to modify the code either an old or a new code, and save it .

**Initial Step-By-Step Description**

User must click in the modify the code button.

1. Software ask the developer if he/she want this source code or an old code.
2. If developer choose an old code software view computer file to choose the old code source.
3. Software show the source code for the developer.