

**CS251 – Software Engineering I**

Contents

[Team 3](#_Toc404030945)

[Document Purpose and Audience 3](#_Toc404030946)

[System Models 4](#_Toc404030947)

[System Decomposition 4](#_Toc404030948)

[Class diagrams 5](#_Toc404030949)

[Sequence diagrams 5](#_Toc404030950)

[User Interface Design 8](#_Toc404030951)

[Screen 1 – Get URL Screen 8](#_Toc404030952)

[Screen 2 – Get Package Name Screen 8](#_Toc404030953)

[Screen 3 – Get Output Path Screen 8](#_Toc404030954)

[Screen 4 – Generation Screen 9](#_Toc404030955)

[Screen 5 – Alter Screen 9](#_Toc404030956)

[Screen 6 – Main Screen 10](#_Toc404030957)

[Ownership Report 10](#_Toc404030958)

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# Team

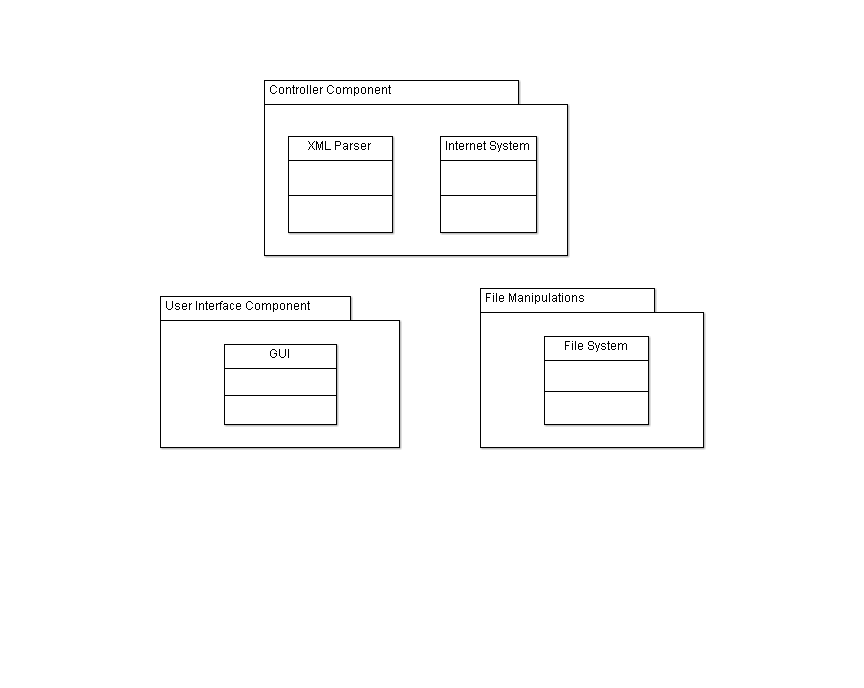
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# Document Purpose and Audience

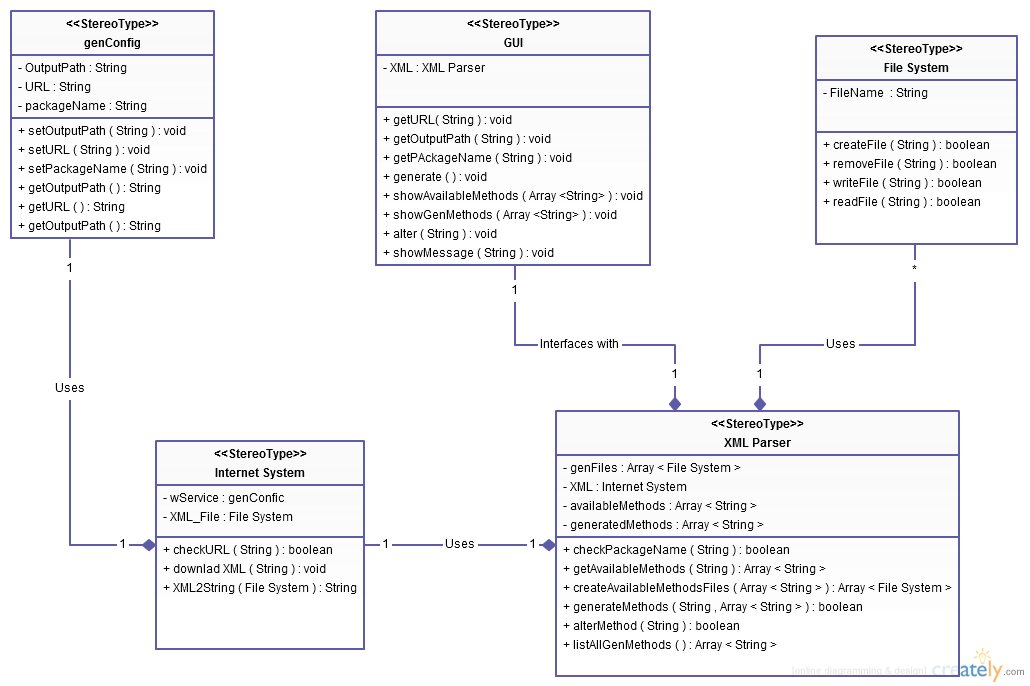
This Document details how the WebService2Code requirements should be implemented using Class Diagrams, Sequence Diagrams and User Interface Diagrams. This document is for the system developers and system client ( SWE-1 TA ).

# System Models

## System Decomposition

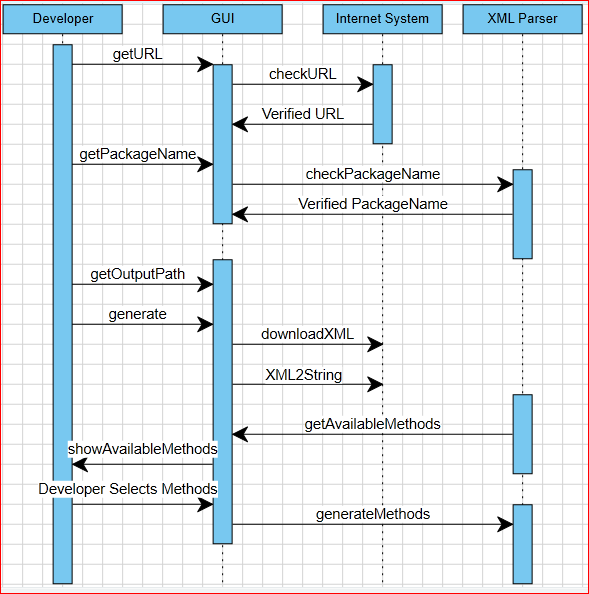
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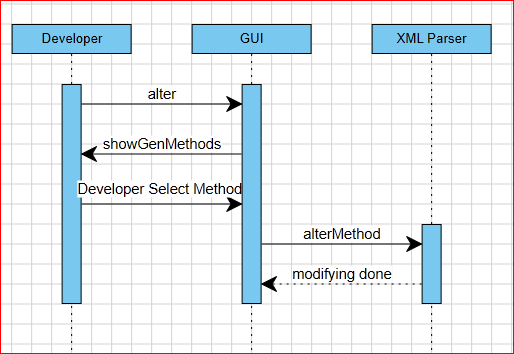
## Class diagrams



| **Class ID** | **Class Name** | **Description** |
| --- | --- | --- |
| 1 | GenConfig | Carries the information about the webservice. |
| 2 | XML Parser | Can Parse the XML document to Java classes and methods. |
| 3 | GUI | Makes an interface with the developer. |
| 4 | Internet System | Downloads WSDL and Converts it to string. |
| 5 | File System | Creates, removes, reads and writes to files. |

## Sequence diagrams

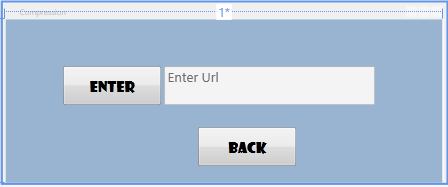
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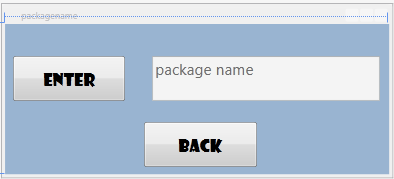
| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| --- | --- | --- |
| GUI | 1, 2 | alter , showGenMethod , getURL , getPackageName , getOutputPath , Generate , showAvailableMethods. |
| XML Parser | 1, 2 | alterMethod , checkPackageName , getAvailableMethods , generateMethods. |
| Internet System | 1 | checkURL , downloadXML , XML2String |

## User Interface Design

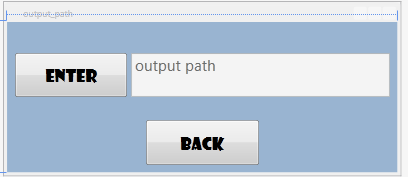
### Screen 1 – Get URL Screen



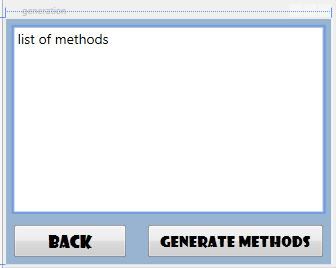
### Screen 2 – Get Package Name Screen



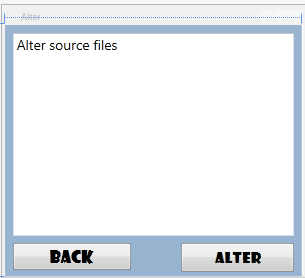
### Screen 3 – Get Output Path Screen



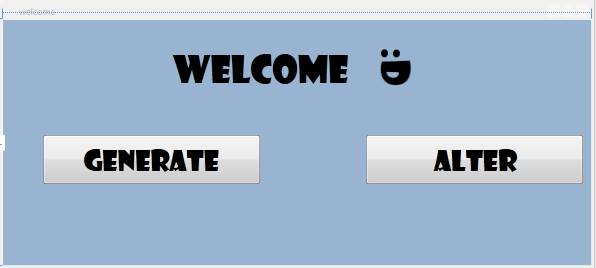
### Screen 4 – Generation Screen



### Screen 5 – Alter Screen



### Screen 6 – Main Screen



# Ownership Report

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| --- | --- |
| **Item** | **Owners** |
| System Decomposition , User interface Design | Kareem |
| Document Purpose , Class Diagram , Sequence Diagrams | Waseem |

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