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| *Software Engineering-1*  *Software Design Document*  *For*  *Web-Service to code project* |
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| *Date:*  *December 26, 2014* |

Contents

[Team 2](#_Toc403854587)

[Document Purpose and Audience 2](#_Toc403854588)

[System Models 2](#_Toc403854589)

[System Decomposition 2](#_Toc403854590)

[Class diagrams 3](#_Toc403854591)

[Sequence diagrams 4](#_Toc403854592)

[Class - Sequence Usage 4](#_Toc403854593)

[User Interface Design 7](#_Toc403854594)

[Ownership Report 8](#_Toc403854598)

# Team

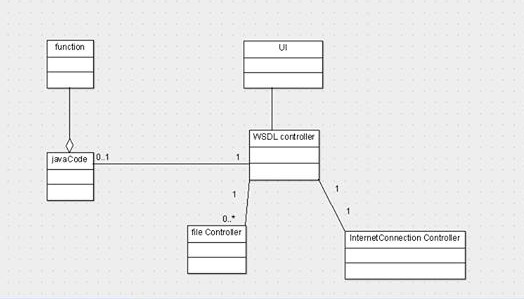
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# Document Purpose and Audience

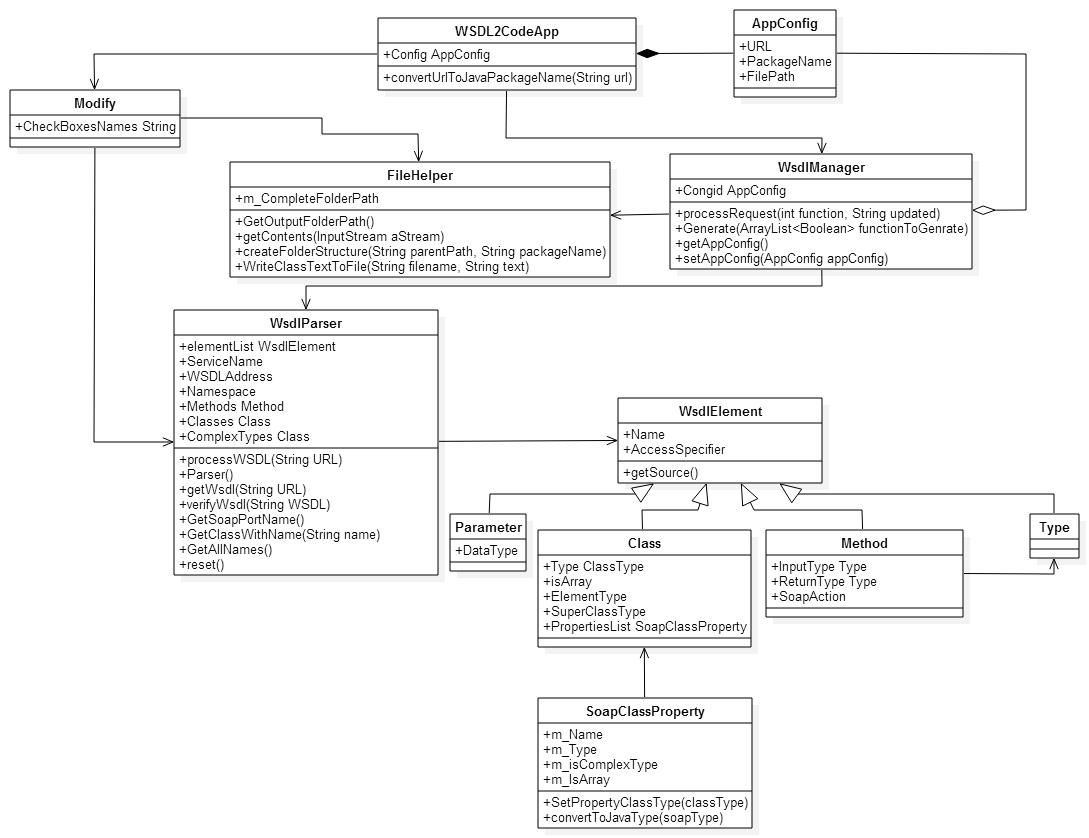
* **The purpose from this document is to design the system, view the relationships in it, and show the initial look of the project after it finished.**
* **In this phase, the overall view of the system must be clear.**
* **This document is used as a guide and reference to the next steps in the project.**
* **This document is intended for the project manager and team member to keep track of the project.**

# System Models

## System Decomposition



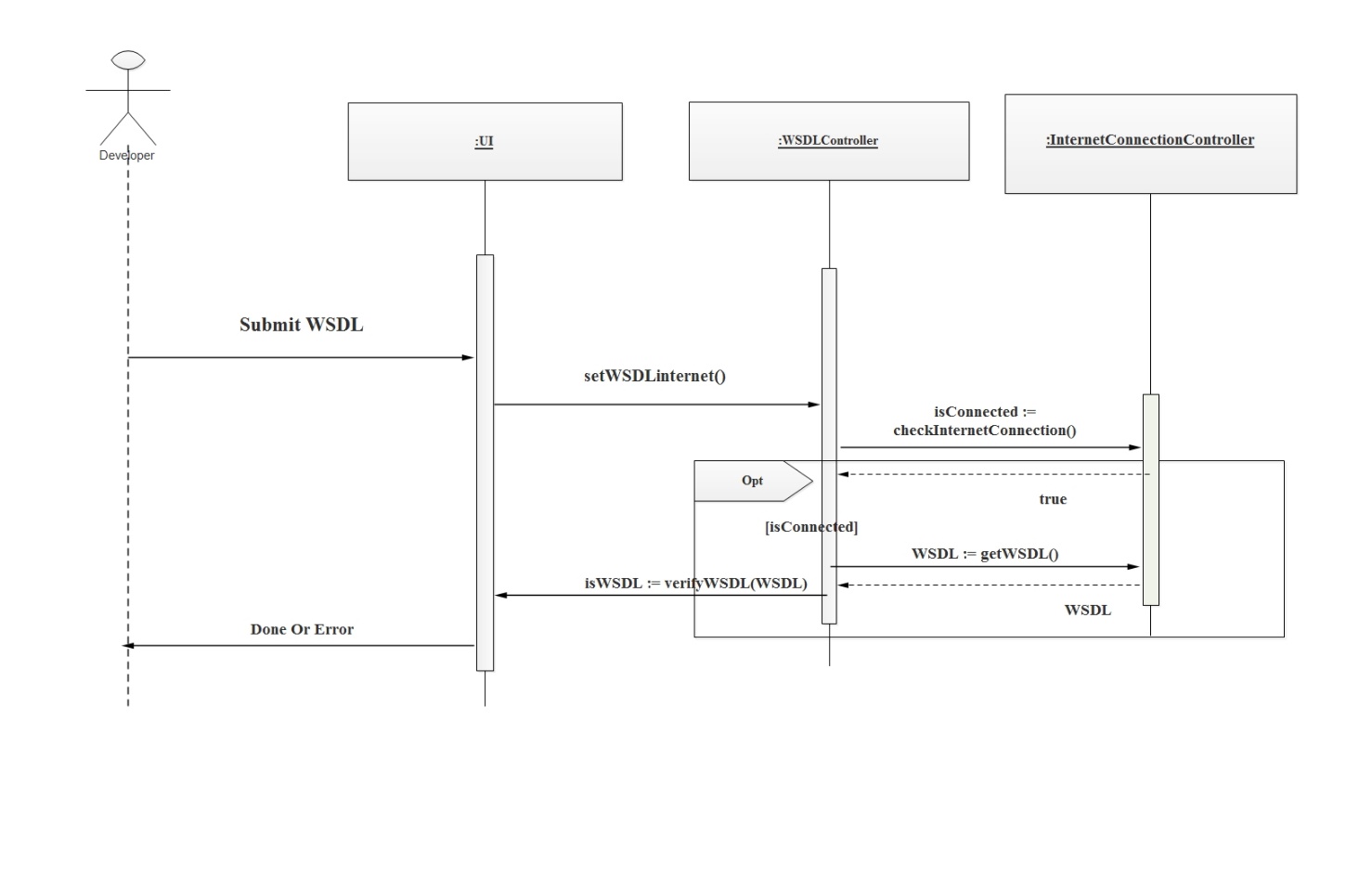
## Class diagrams



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| --- | --- | --- | --- |
| **Class ID** | **Class Name** | **Subsystem ID** | **Description** |
| 001 | UI |  | Specified for the whole software UI |
| 002 | WSDLController |  | it controls the WSDL summation , WSDL to code generation and modifying the code , the basic function needed for the project |
| 003 | function |  | contain the basic elements that identify any function |
| 004 | fileController |  | a class specified to deal with file in the device and any method needed in them |
| 005 | InternetConnectionController |  | a class specified to check the device connection and get the WSDL from the Internet |
| 006 | javaCode |  | contain the generated code methods and the code it self |

## Sequence diagrams

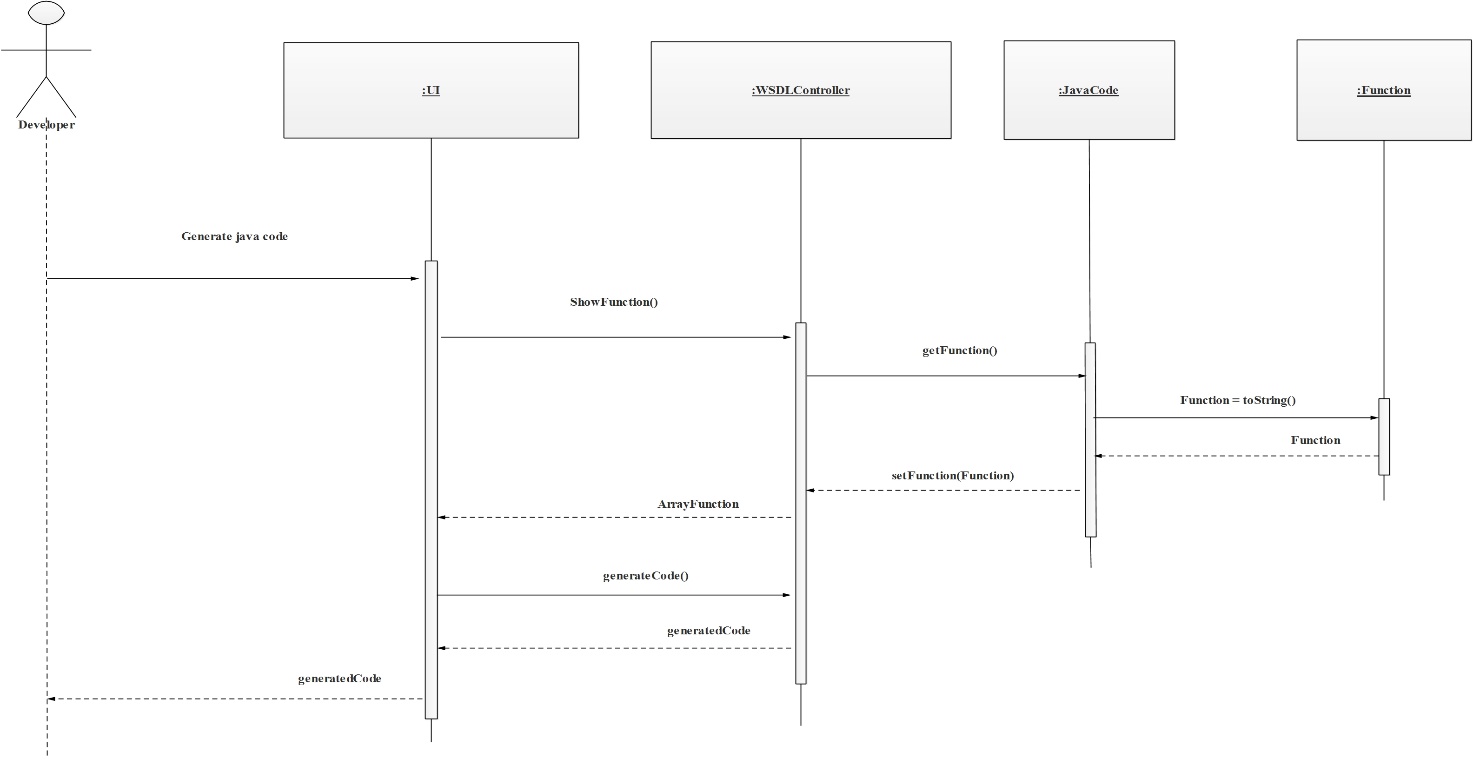
### Submit WSDL



### Class - Sequence Usage

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| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| UI | 002 | SetWSDLinternet, verifyWSDL |
| WSDLController | 001,005 | getWSDL, verifyWSDL, setWSDLinternet, checkInternetConnection |
| InternetConnectionController | 002 | getWSDL, checkInternetConnection |

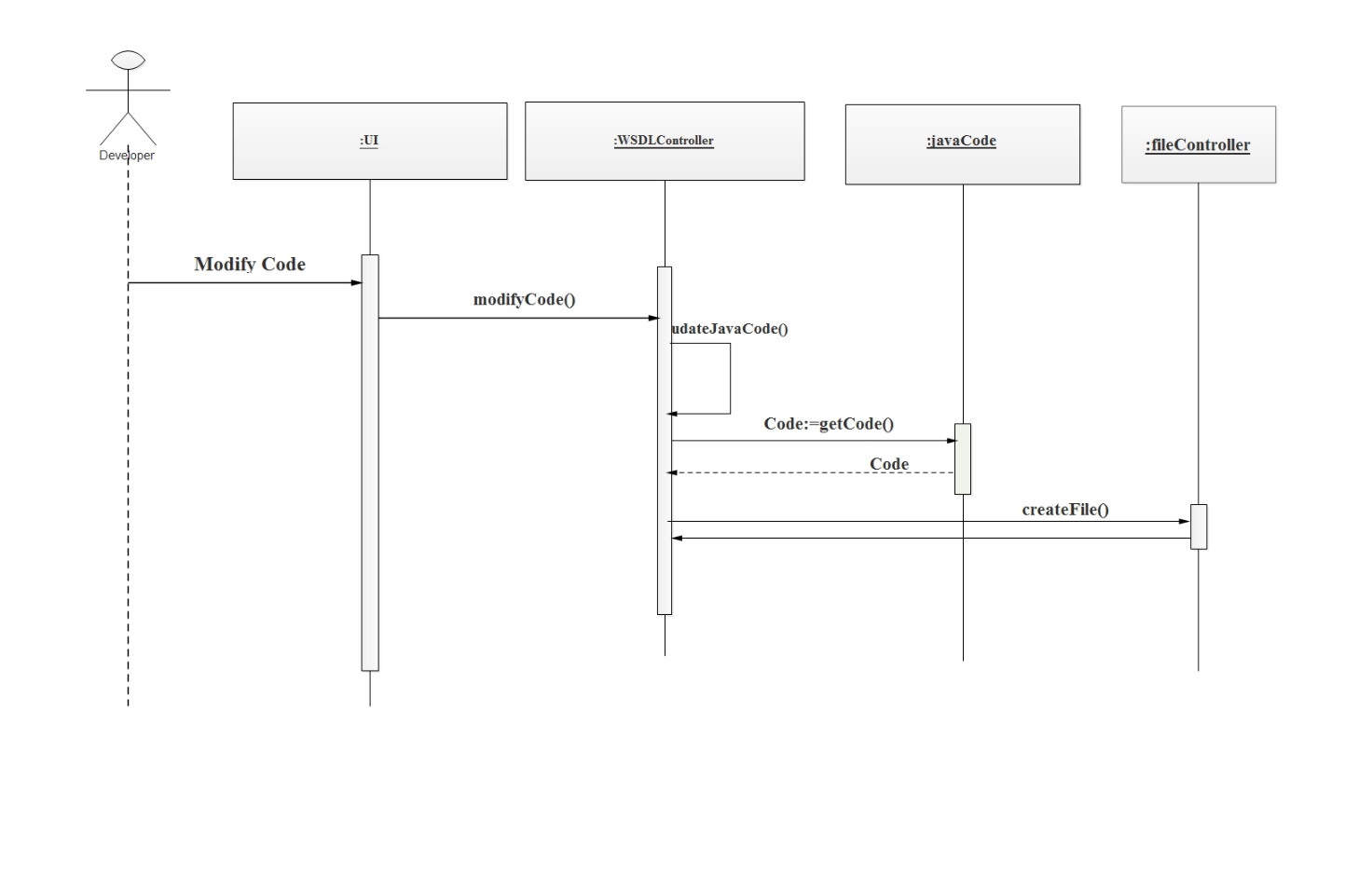
### Generate Java Code



### Class - Sequence Usage

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| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| UI | 002 | ShowFunction,generateCode |
| WSDLController | 001,006 | ShowFunction,generateCode, getFunction, setFunction |
| javaCode | 002,003 | getFunction, setFunction, toString |
| function | 006 | toString |

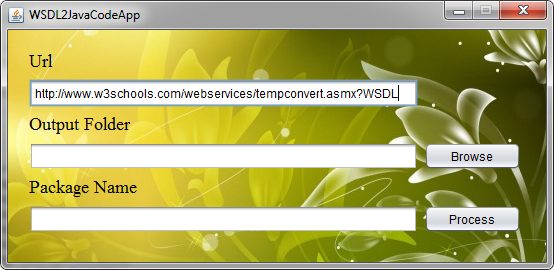
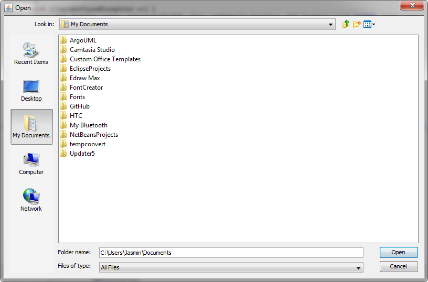
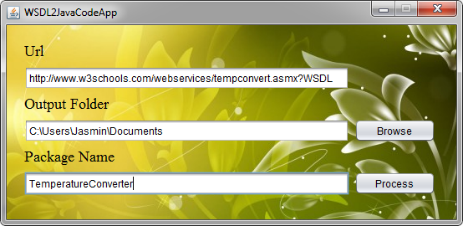
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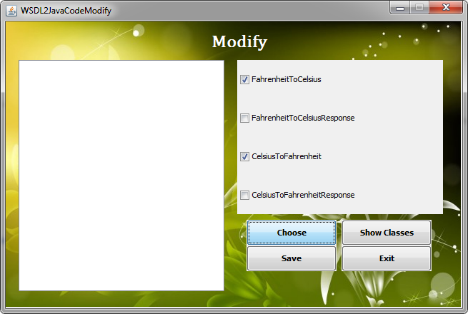
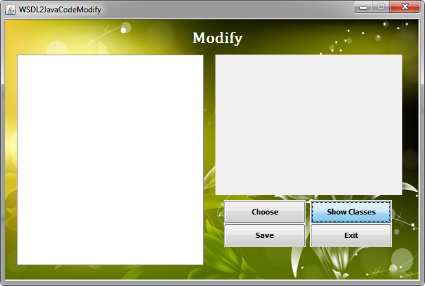
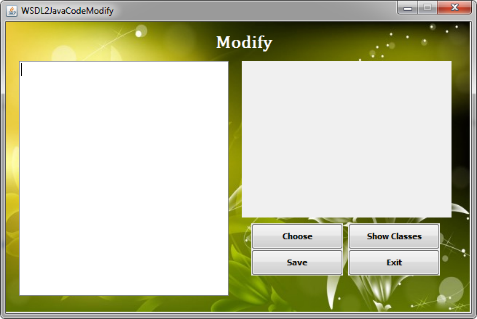


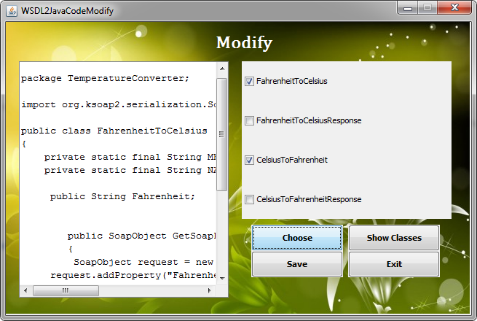
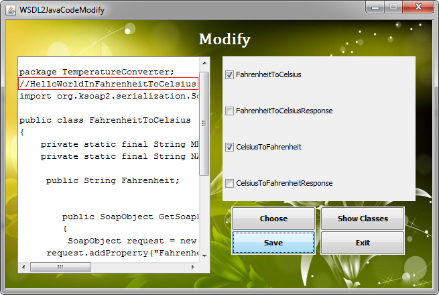
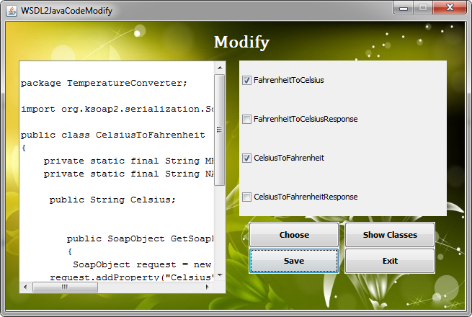
### Class - Sequence Usage

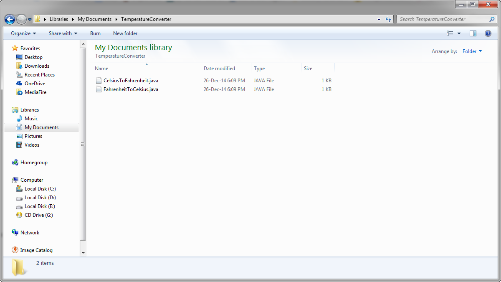
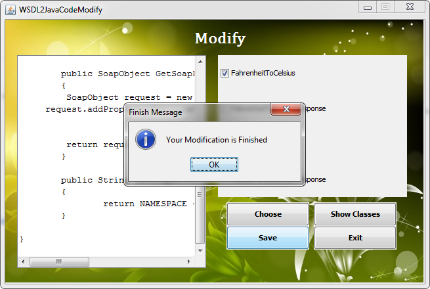
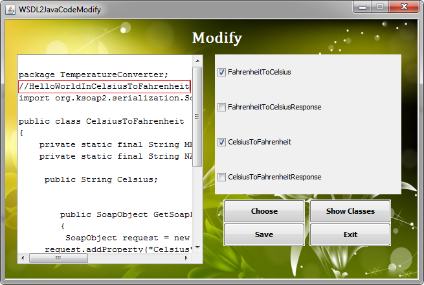
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| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| UI | 003,005,006 | SubmitWSDL,getWSDL,verifyWSDL |
| WSDLController | 004,006 | GetWSDL,generateCode,getFilePath |
| javaCode | 004,005 | getJavaCode |
| fileController |  |  |

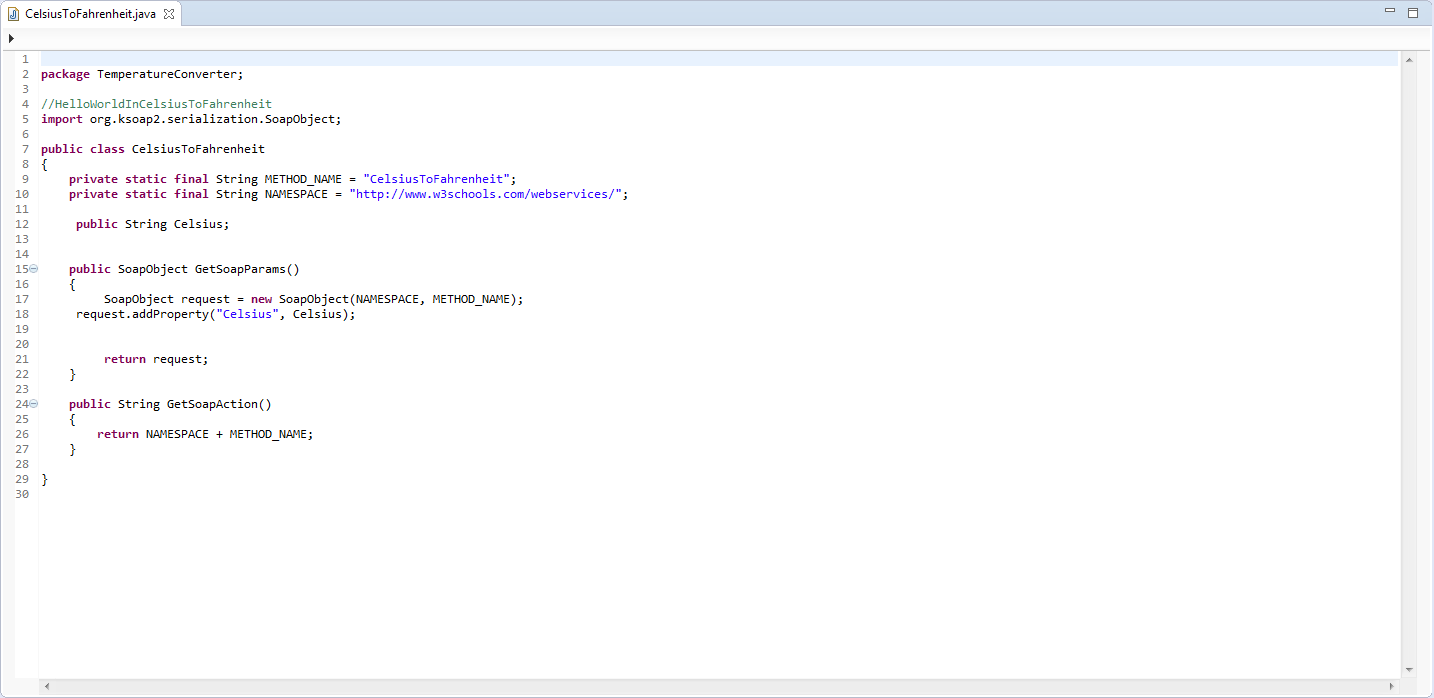
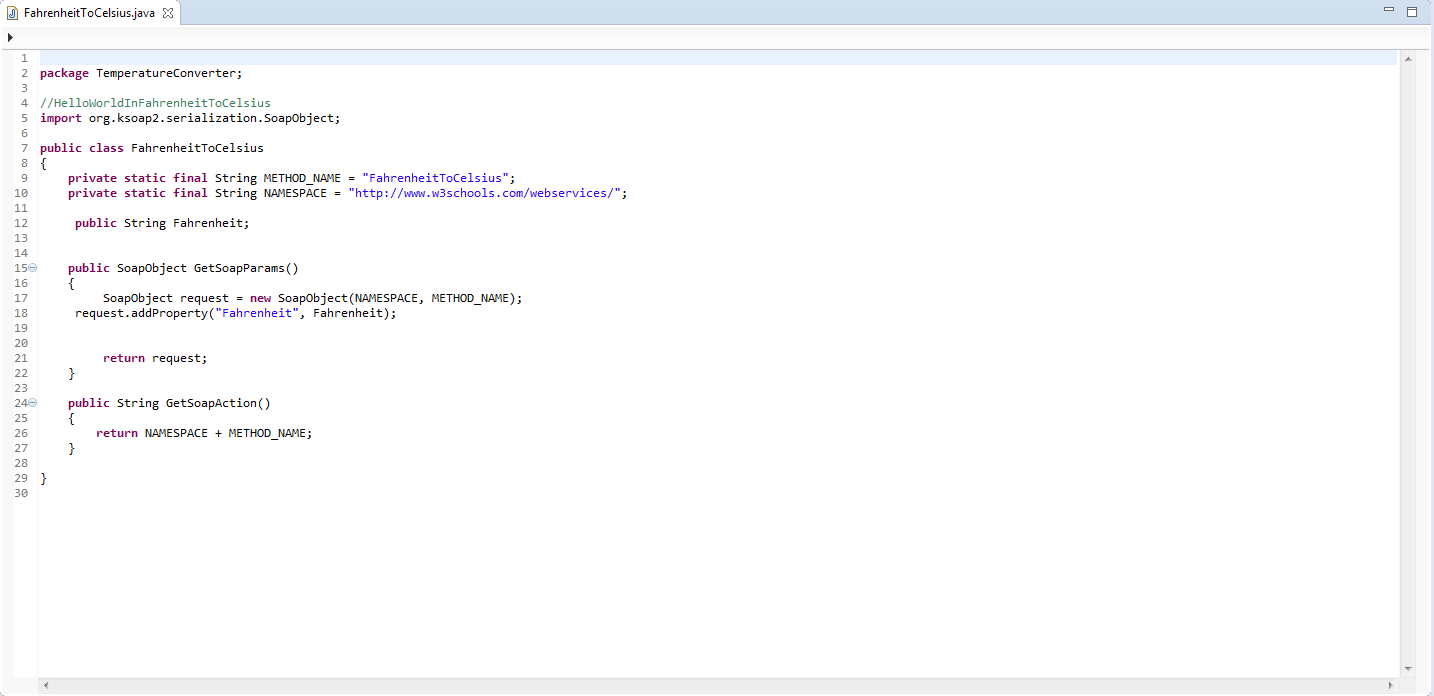
## User Interface Design

# Ownership Report

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| --- | --- |
| Item | Owners |
| System Decomposition , Class diagrams | **Mariam Fouad** |
| Sequence diagrams , Class - Sequence Usage | **Yasmeen Abdel Latif** |
| System Models | **Salwa Ahmed** |
| Document Purpose and Audience , User Interface Design | **Huda Mohammed** |