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| *Software Engineering-1*  *Software Design Document*  *For*  *Web-Service to code project* |
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| *Date:*  *November 8, 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 5](#_Toc403854594)

[Screen 1 –start page (initial) 5](#_Toc403854595)

[Screen 2 – select method names (initial) 5](#_Toc403854596)

[Screen 3 – search for WSDL device 6](#_Toc403854597)

[Ownership Report 6](#_Toc403854598)

# Team

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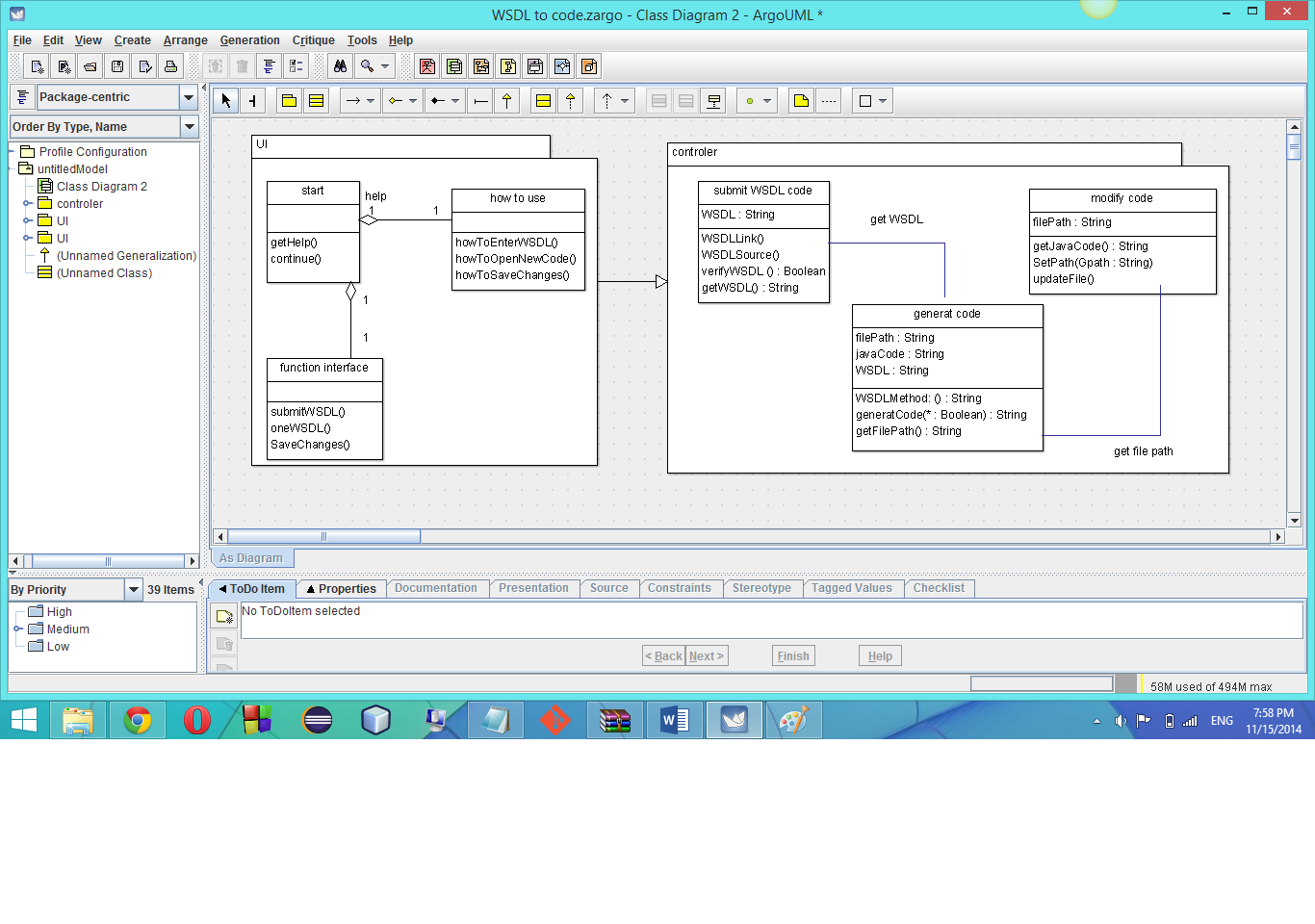
# Document Purpose and Audience

* **The purpose of this document is to present a detailed description of the Web-Service to Code Project. It will show the detail of the project and how to implement the software.**
* **This document is intended for the project manager and team member to keep track of the project.**

# System Models

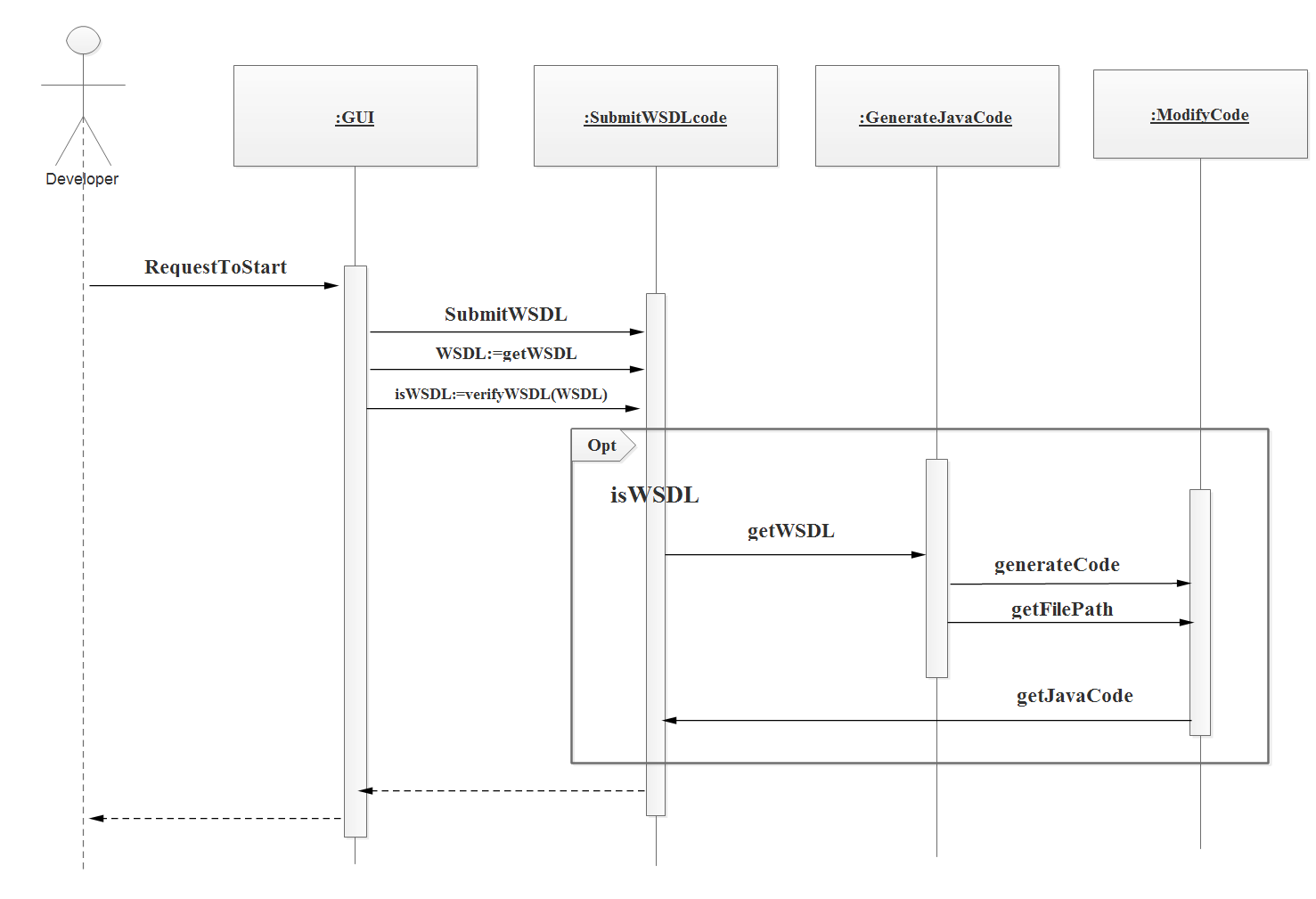
## System Decomposition

## Class diagrams



|  |  |  |  |
| --- | --- | --- | --- |
| **Class ID** | **Class Name** | **Subsystem ID** | **Description** |
| 001 | start | UI | Show the began UI of the software |
| 002 | HowToUse | UI | Show some help steps for the user |
| 003 | Function interface | UI | Show the general function to do |
| 004 | submitWSDLCode | controller | Check the validation of the WSDL |
| 005 | genrateWSDLCode | controller | Generate java code from the WSDL |
| 006 | modifyCode | controller | Modify the java code |

## Sequence diagrams

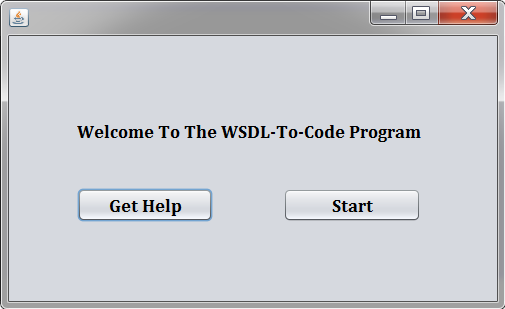


### Class - Sequence Usage

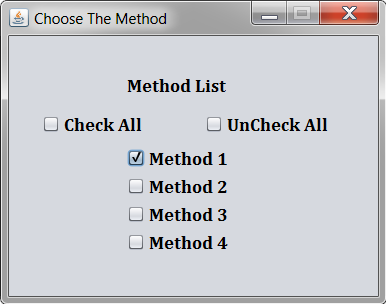
|  |  |  |
| --- | --- | --- |
| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| SubmitWSDLcode | 003,005,006 | SubmitWSDL,getWSDL,verifyWSDL |
| GenerateJavaCode | 004,006 | GetWSDL,generateCode,getFilePath |
| ModifyCode | 004,005 | getJavaCode |

## User Interface Design

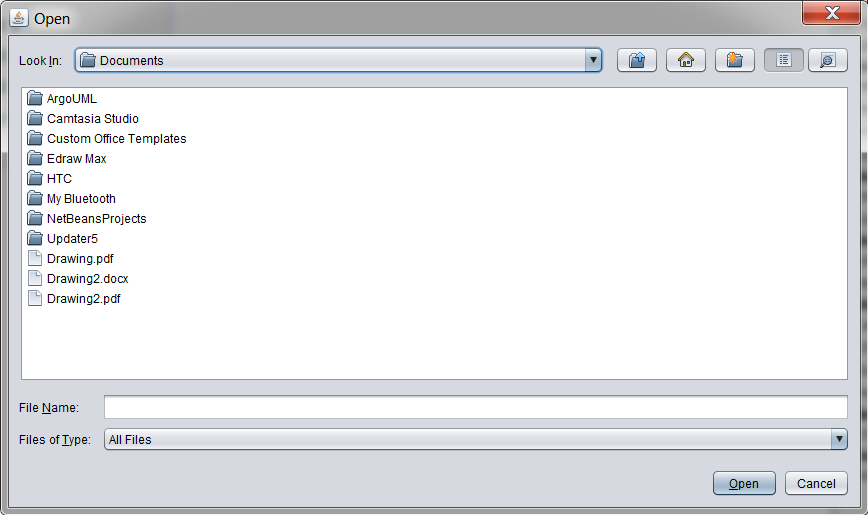
### Screen 1 –start page (initial)



### Screen 2 – select method names (initial)



### Screen 3 – search for WSDL device



# Ownership Report

|  |  |
| --- | --- |
| 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** |