



# Project Report

Umar Saeed

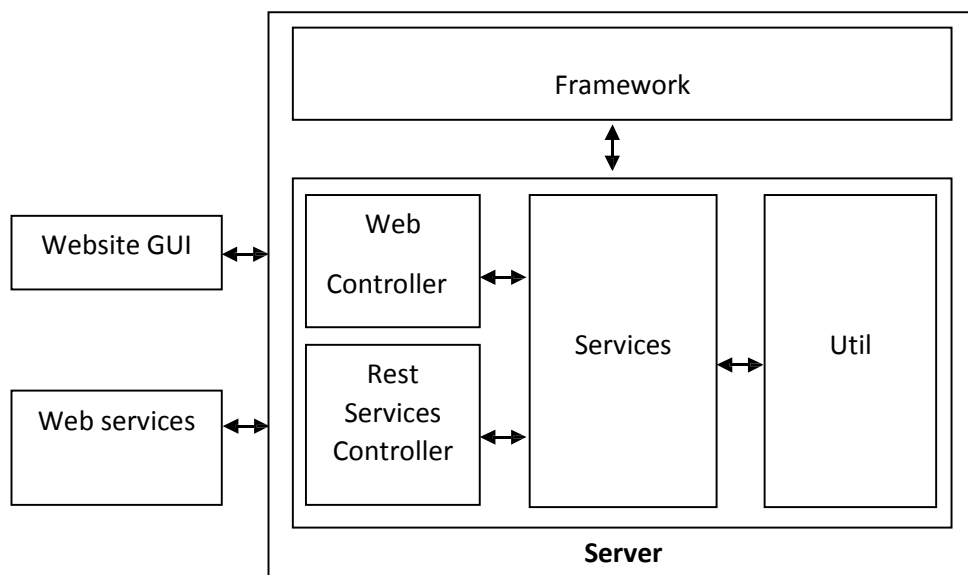
## Contents

Tools and Technology:.....	2
System Architecture: .....	2
GUI.....	3
Press Get English utton: .....	3
Services:.....	4
JSON.....	4
XML.....	4

## Tools and Technology:

- J2EE Technology
- Spring Framework
- MVC (Model View Controller) Architecture
- Maven
- Tomcat
- JQuery
- HTML 5
- CSS 3
- JavaScript
- Support JSON/XML Services

## System Architecture:



GUI:

The image shows the initial state of a web application titled "My Test Project" in a cursive font, with the subtitle "my test assignment for code test" in a smaller, green, sans-serif font. Below the header is a light blue rectangular box containing the text "Number to English" in a bold, black, sans-serif font. Underneath this text is a white text input field with a thin grey border. Below the input field is a blue button with the text "Get English" in white. The entire application is set against a light blue background with a solid blue footer bar at the bottom containing the text "Copyrights © 2015. All rights reserved."

My Test Project

my test assignment for code test

Number to English

Get English

Copyrights © 2015. All rights reserved.

Press Get English Button:

The image shows the web application after the "Get English" button has been clicked. The "Number to English" text remains at the top. The text input field now contains the number "456". Below the input field, the blue "Get English" button is still present. At the bottom of the light blue box, the text "four hundred fifty six" appears in a bold, black, sans-serif font, representing the conversion of the input number to English words.

Number to English

Get English

**four hundred fifty six**

## Services:

### *JSON*

**Description:** Convert Number to English

**URL:** http://localhost:8084/TRR/rest/34

**Method:** RequestMethod.GET

**Input:** 34 is input

**Headers:** Content-Type: application/json

Accept: application/json

**Output:** {"status":"OK","message":"Number to String","result":"thirty four"}

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### *XML*

**Description:** Convert Number to English

**URL:** http://localhost:8084/TRR/rest/34

**Method:** RequestMethod.GET

**Headers:** Content-Type: application/xml

Accept: application/xml

**Input:** 8 is input

**Output:** <?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
<Response><message>Number to String</message>  
<result xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xmlns:xs="http://www.w3.org/2001/XMLSchema" xsi:type="xs:string">thirty  
four</result><status>OK</status></Response>