**Java Backend Test**

**API Service**

**Guide**

|  |  |
| --- | --- |
| Project Name： | Java Backend Test |
| Version： | 1 |
| Release Date： | 2022/02/04 |

Revision History

|  |  |  |
| --- | --- | --- |
| **DOCUMENT AMENDMENT** | | |
| **Revision** | **Date** | **Description** |
| 1.0 | 2022/02/04 | Initial |

Table of Contents

Contents

[1 Introduction 4](#_Toc94828654)

[1.1 Purpose 4](#_Toc94828655)

[1.2 Scope 4](#_Toc94828656)

[2 Design 4](#_Toc94828657)

[2.1 Software Design Description 4](#_Toc94828658)

[3 Register Message Format 4](#_Toc94828659)

[3.1 URI 4](#_Toc94828660)

[3.2 Request 4](#_Toc94828661)

[3.3 Response 5](#_Toc94828662)

[3.4 Function Description 5](#_Toc94828663)

[3.4.1 Get request message from Mobile 5](#_Toc94828664)

[3.4.2 Check Salary to get member type 5](#_Toc94828665)

[3.4.3 Add table 6](#_Toc94828666)

[3.4.4 Send response message to Mobile 6](#_Toc94828667)

[4 Error Code Detail 7](#_Toc94828668)

[4.1 Table Error Code, Error Message, and Error Description 7](#_Toc94828669)

# Introduction

## Purpose

This document illustrates the Web service’s architecture

## Scope

System supports the following message processing

# Design

## Software Design Description

# Register Message Format

## URI

http://127.0.0.1:9000/regist

Method : POST

## Request

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Description | Length/Format/Values | Mandatory |
| username |  | Length: variable maximum 40 characters  JSON Data Type: String | Y |
| password |  | Length: variable maximum 8-40 characters  JSON Data Type: String | Y |
| address |  | Length: variable maximum 1-200 characters  JSON Data Type: String | Y |
| phone |  | Length: 10 characters  JSON Data Type: String |  |
| name | Firstname Lastname | Length: variable maximum 1-90 characters  JSON Data Type: String |  |
| salary |  | JSON Data Type: int |  |
| email |  | Length: variable maximum 1-80 characters  JSON Data Type: String |  |

## Response

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Description | Length/Format/Values | Mandatory |
| resp\_code | Code indicating that identified the error | Length: : 4 characters  JSON Data Type: String | Y |
| resp\_desc | Text Describing the problem identified in the message | Length: variable maximum 2048 characters  JSON Data Type: String | Y |
| reg\_ref\_id | Register Reference ID from Register System | Length: 12 characters  JSON Data Type: String |  |

## Function Description

### Get request message from Mobile

### Check Salary to get member type

If salary >50000 Member type is Platinum

Else if salary >= 30000 type is Gold

Else if salary <30000

Else if salary < 15000

Return MEMBER\_EXISTING

### Add table ( MySQL )

|  |  |
| --- | --- |
| **Action** | Insert |
| **Table** | TB\_MEMBER |
| **Rule** |  |
| **Data Field** | **Data Context** |
| reg\_ref\_id | @host\_date + last 4 digit |
| Member\_type | @member\_type |
| email | @email |
| username | @username |
| password | Hash(@password) |
| status | 1 |
| Name | @name |
| address | @address |
| Phone | @phone |
| Salary | @salary |
| create\_date | @host\_datet |
| create\_time | @host\_time |

### Send response message to Mobile

# Error Code Detail

## Table Error Code, Error Message, and Error Description

|  |  |  |
| --- | --- | --- |
| Error Code | Error Message | Description |
| 1000 | Member Existing | Salary less more 15000 in register system |
| 2999 | System Error |  |