**URL Shortner - API Documentation**

**Created On: 21th October 2019**

**Updated On:**

V0.0

**OVERVIEW**

This document describes URL Shortner API specification along with detailed request, response and validation rules.

**SCOPE**

The scope of this API is

1. To generate short URL for every given Long URL.
2. To track the number of clicks received for each short url and to retrieve long url based on short url.

**SPECIFICATIONS**

**ShortenURL - API Request and Response Body**

* Use this API to Shorten the Long URL

|  |  |
| --- | --- |
| URL | /api/ProcessURL/ShortenURL |
| HTTP Method | POST |
| Request Body | {  "Produc “longurl”:“<Long URL>",  *Geneco*  *Longurl is the lengthy url that need to be shortened.*  } |
| Sample Response Body  (SUCCESS Case) | {  "**Result**"**:** "SUCCESS",  "**Responsecode**"**:** 200,  "**ShortURL**"**:** "http://shorturlmaker.azurewebsites.net/KONBbut",  "**Errorcause**"**:** "",  "**Errordescription**"**:** ""  } |
| Sample Response Body  (FAILURE Case)  (For Invalid URL) | {  "**Result**"**:** "FAIL",  "**Responsecode**"**:** 403,  "**ShortURL**"**:** "",  "**Errorcause**"**:** "Not a valid URL!",  "**Errordescription**"**:** "Please enter a valid URL"  } |

**GetURLDetails - API Request and Response Body**

* Use this API to get the long URL and clicks count details based on short URL

|  |  |
| --- | --- |
| URL | /api/ ProcessURL/GetURLDetails |
| HTTP Method | GET |
| Request Query Parameter | {  "Produc “shorturl”:“<short URL>",  *Geneco*  *Short URL is the one generated by this tool.*  } |
| Sample Response Body  (SUCCESS Case) | {  "**Result**"**:** "SUCCESS",  "**Responsecode**"**:** 200,  "URLInfo":{  "**ID**"**:** 46,  "**LongURL**"**:** "https://www.google.com/search?q=Kuala+Lumpur&rlz=1C1CHZL\_enMY774MY774&oq=Kuala+Lumpur&aqs=chrome..69i57j69i59j69i60l3.4061j0j1&sourceid=chrome&ie=UTF-8",  "**ShortURLCode**"**:** "CFbwDUG",  "**ShortURL**"**:** " http://shorturlmaker.azurewebsites.net/CFbwDUG",  "**ClicksCount**"**:** 1  },  "**Errorcause**"**:** "",  "**Errordescription**"**:** ""  } |
| Sample Response Body  (FAILURE Case)  (For Invalid URL) | {  "**Result**"**:** "FAIL",  "**Responsecode**"**:** 403,  "**URLInfo**"**:** null,  "**Errorcause**"**:** "Not a valid URL!",  "**Errordescription**"**:** "Please enter a valid URL"  } |