**SEO SDK for Java**

API Developer Document

**Version: Release 2.0.0 Beta - 2**

Table of Contents

[1 – Audience 3](#_Toc365032892)

[2 – Pre-requisites 3](#_Toc365032893)

[3 – Introduction 3](#_Toc365032894)

[3.1 – Frameworks and Technologies 4](#_Toc365032895)

[4 – Dev. Environment Setup 4](#_Toc365032896)

[5 – Diagrams 4](#_Toc365032897)

[5.1 – Class Diagram 4](#_Toc365032898)

[5.2 – Sequence Diagram 4](#_Toc365032899)

[6 – Development (detailed information) 4](#_Toc365032900)

[6.1 – Getting started 4](#_Toc365032901)

[6.2 – Test cases 4](#_Toc365032902)

[6 – Support 4](#_Toc365032903)

# 1 – Audience

This document is intended to developers who are familiar with Java programming and who would like to extend and contribute to the capabilities of SEO SDK.

Developers who are completely new to SEO SDK, can view SDK\_API\_User\_document.doc located at <http://bazaarvoice.github.io/seo_sdk_java> and then later view this document.

For CI, Build and Release Management, refer to documents within git-publish repository which is a private access and meant only for Bazaarvoice developers.

# 2 – Pre-requisites

Following are pre-requisites required for SEO-SDKAPI development:

* Java v1.5 and above.
* SEO-SDK source code.
* Any IDE such as Eclipse or Spring Source Toolsuite.
* Apache Maven
* Any Git client
* StarUML for diagrams

# 3 – Introduction

Source code can be downloaded from the following location <https://github.com/bazaarvoice/seo_sdk_java> into your git repository. There will be various branches and Release tags so make sure what you download and use is appropriate to you.

Documents can be found either at the release site <http://bazaarvoice.github.io/seo_sdk_java> or <https://github.com/bazaarvoice/seo_sdk_java/docs> (which will be under the docs folder of cloned directory).

At the root location you have the pom.xml so building at the root level will yield you all the libraries that are required generally we use the below command to build:

* mvn clean install bundle:bundle

bundle:bundle will actually yield you the osgi bundle. And the target folder will contain all the libraries.

The folder structure of the repository is as follows from the root level:

docs – contains all documentation and any document inside this folder will be published to the gh-pages.

src – contains the source code implementation of SEO-SDK.

Pom.xml – maven build configuration

There may be other files or folders which may not be necessary for API development.

The following are the APIs that are already available in the stable release and defined in BVUIContent interface.

getContent, getAggregateRating, and getReviews each method takes BVParameters as its argument and returns string content. These APIs are already covered in the API-User doc.

Changes to these APIs are not advised as they are already used and care should be taken to enhance the features and not to modify them.

# 4 – Diagrams

## 4.1 – Class Diagram

**DOCUMENTATION IN PROGRESS**

## 4.2 – Sequence Diagram

# 6 – Development

## 6.1 – Development and Test cases

# 6 – Support

Below is the list of contacts for development support for both functional and technical support.