Sentient VOC Monitoring System

Use Case: Download Raw Data

Version 2.0

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 18/01/2014 | 1.0 | Document Creation | Jeff Clark |
| 08/03/2014 | 2.0 | Three Tier Modifications | Jeff Clark |
|  |  |  |  |
|  |  |  |  |

Table of Contents

1. Download Raw Data 1

1.1 Brief Description 1

1.2 Requirements Trace 1

1.3 Involved Actors 1

1.4 Preconditions 1

1.5 Post conditions 1

1.6 Invariants 1

2. Flow of Events 1

2.1 Basic Flow 1

2.2 Alternate Course – None 1

3. Extension Points 1

4. Scenarios 2

4.1 Happy Day 2

Use Case: Download Raw Data

# Download Raw Data

## Brief Description

This use case gives the Web User the ability to download the un-interpreted parts per million numbers of a VOC from a specific monitor. This will allow the user to possibly use the information in a litigation setting.

## Requirements Trace

4.1.2, 4.2, 5.2, 13.1, 13.2, 13.3, 13.4

## Involved Actors

Web User

## Preconditions

* Web User navigates to the specified page

## Post conditions

* Un-interpreted VOC information has been downloaded into a file on the Web User’s computer

## Invariants

# Flow of Events

## Basic Flow

This use case starts when the Web User wants to down un-interpreted VOC information from the website database.

1. Web User visits the Download Raw Data web page.
2. Web User selects the zip code of the desired monitor.
3. The Web Application updates dropdown list of available Monitors
4. See extension point use case “Retrieve VOC Location”.
5. Web User chooses desired monitor.
6. Web User select “Download”
7. Business Layer requests VOC Level Information from Persistence Layer.
8. Business Layer creates and populates a file with the VOC Level Information.
9. Web User’s internet browser downloads the file into his/her computer.

## Alternate Course – None

# Extension Points

Use case “Retrieve VOC Location” enables Web User to select the specific monitor and VOC to download.

# Scenarios

## Happy Day

Assumptions: Web User – Curious George

VOC Data exists in the database

Steps:

1. Web User visits the Download Raw Data web page.
2. Web User selects the zip code of the desired monitor.
3. The Web Application updates dropdown list of available Monitors
4. See extension point use case “Retrieve VOC Location”.
5. Web User chooses desired monitor.
6. Web User select “Download”
7. Business Layer requests VOC Level Information from Persistence Layer.
8. Business Layer creates and populates a file with the VOC Level Information.
9. Web User’s internet browser downloads the file into his/her computer.