Velomobile Control & Telemetry System

Use Case Specification

Select Date-Range Windowing

Version 1.0

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Ver.** | **Description** | **Author** |
| May 4, 2010 | 1.0 | Initial Composition | Daniel Johnson |

Table of Contents

[1. Access Web System 4](#_Toc256188073)

[1.1 Brief Description 4](#_Toc256188074)

[1.2 Requirements Trace 4](#_Toc256188075)

[1.3 Involved Actors 4](#_Toc256188076)

[2. Flow of Events 4](#_Toc256188077)

[2.1 Basic Flow 4](#_Toc256188078)

[3. Preconditions 4](#_Toc256188079)

[4. Post Conditions 4](#_Toc256188080)

[5. Scenarios 4](#_Toc256188081)

[5.1 Happy Day 4](#_Toc256188082)

[5.2 Rainy Day 4](#_Toc256188083)

# Access Web System

## Brief Description

When a web user is viewing a device’s telemetry data they can change the windowing for the device telemetry data by moving either end of the windowing slider bar.

## Requirements Trace

2.2.3

## Involved Actors

Web User – The web user will change the windowing for the device.

# Flow of Events

## Basic Flow

This use case begins when has changed the windowing slider.

1. User changes the window slider
2. The system collects telemetry data for the window
3. System calls windowing function
4. System redraws graphs using windowed values

# Preconditions

Device has telemetry data that can be windowed

# Post Conditions

Telemetry is displayed for the newly windowed telemetry device

# Scenarios

## Happy Day

**Assumptions**: The device has telemetry data for the desired time slice.

**Steps:**

1. User changes the window slide bar.
2. The system collects telemetry data for the window
3. The system calls the windowing function.
4. The system redraws the telemetry data with the windowed values

## Rainy Day

**Assumptions**: The device is already in windowing mode.

**Steps:**

1. User changes the window slide bar.
2. The system collect telemetry data for the window
3. The system gets no data for window, displays error message on top of graph to user.