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 |

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# Access Web System

## Brief Description

When a web user is viewing a devices telemetry data it will by default display a live stream. Once the user moves the windowing slider bar the telemetry data will then be displayed in windowed format.

## Requirements Trace

2.2.3

## Involved Actors

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

# Flow of Events

## Basic Flow

This use case begins when has changed the windowing slider for the first time.

1. User changes the window slider
2. The system checks to see if this was the first time
3. The system collects telemetry data for the window
4. System calls windowing function
5. System draws 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 checks to see if this was the first time
3. The system collects telemetry data for the window
4. The system calls the windowing function.
5. 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 checks to see if this was the first time
3. This was not the first time, call Select Windowing use case.