Use Case: Loading GPS Data Files

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User Story Description

To load up to 10 GPS data files from a GPS device into the system.

Identification of Actor(s)

Client – user of the system

Pre-conditions

The app has been started and there is an available file menu with the proper commands.

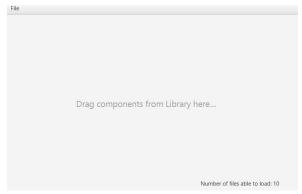
Scenarios

Basic/Normal Flow

Write down each of the steps in the **Main Path** required to achieve the Goal of this Use Case. Each step should be described as an **action/response**; that is: an **action** initiated by an Actor and the subsequent **response** by the system.

Modify the table below as needed to accommodate additional or fewer Actors or Steps.

Client	System
1. User selects file, open	
	2. System opens up file chooser
3. User selects 1 or more files to open	
	4. System loads file(s) and displays relevant information on the GUI
5. Steps 1-4 may repeat until a max of 10 files are loaded	





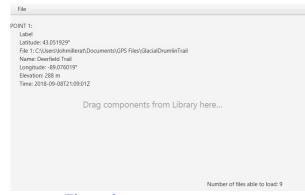


Figure 2

Alternate Flow 1: Wrong File Type

The client selects a .txt file with no GPX data

Client	System
1. User selects file, open	
	2. System opens up file chooser
3. User selects 1 or more files, 1 or more are not GPX files	
	4. System displays alert with detailed error message and
	error location

Alternate Flow 2: Missing XML Element

The client selects a file that has a point missing an XML element

Client	System
1. User selects file, open	
	2. System opens up file chooser
3. User selects 1 or more files	
	4. System loads file(s) and encounters an error with a point, displaying an alert with a detailed error message and error location

Alternate Flow 3: Latitude/Longitude Error

The client loads a file containing an error with the latitude or longitude of a point

The enem loads a me containing of	an error with the latitude of longitude of a point
Client	System
1. User selects file, open	
	2. System opens up file chooser
3. User selects 1 or more files	
	4. System loads file(s) and encounters an error with a
	point, displaying an alert with a detailed error message
	and error location

Alternate Flow 4: Time Format Error

The client loads a file containing an error with the time stamp of a point

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Client	System
1. User selects file, open	
	2. System opens up file chooser
3. User selects 1 or more files	
	4. System loads file(s) and encounters an error with a
	point, displaying an alert with a detailed error message
	and error location

Alternate Flow 5: Elevation Error

The client loads a file containing an error with the elevation of a point

Client	System
1. User selects file, open	
	2. System opens up file chooser
3. User selects 1 or more files	
	4. System loads file(s) and encounters an error with a point, displaying an alert with a detailed error message
	and error location

Post-conditions

The loaded file will be passed to other methods for following cases and the GUI will be updated to display the loaded data

Additional Notes

Actors:

Client

Boundary Elements:

Menu bar File Chooser Loaded Point VBox Alert Error Box

Control Elements:

System (GPS loading app)

Entity Elements:

Client GPS files

