

Use Case: Graphically view up to 10 tracks as a 2D plot.

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User Story Description

As a User, I want to be able to select up to 10 tracks to graphically display as a 2D plot.

Identification of Actor(s)

User – User of the GPS

Pre-conditions

At least 1 track is loaded. Up to 10 tracks are loaded. All tracks that are loaded have at least 1 point. GUI is in idle state waiting for user input.

Scenarios

Basic/Normal Flow

User	System
1. Selects “Graphically view tracks”	
	2. Displays track selection screen.
3. Selects between 1-10 tracks to display	
	4. Displays track display screen, that displays tracks graphically on screen.

Alternate Flow 1: No Tracks Selected

User selects no tracks to display

User	System
1a. Selects “Graphically view tracks”	
	2a. Displays track selection screen.
3a. Selects no tracks	
	4a. Displays “No tracks selected” pop-up.

Post-conditions

On selecting tracks to display, the screen shows the selected tracks graphed color coded with a key indicating which color belongs to each track as well as the distance of each track.

Additional Requirements

Track Display Screen can be exited at any time by hitting the ‘X’ in the top right corner.

If no tracks have yet been loaded, the “Graphically view tracks” button will be disabled.

Available Tracks will be shown in the Track Display Screen

Additional Notes

Basic/Normal Flow

Actors

User

Boundary Elements

Main Screen/Menu

Select Tracks Screen

Track Display Screen

Control Systems

System

Entity Elements

Loaded Tracks

Alternate Flow 1: No Tracks Selected

Actors

User

Boundary Elements

Main Screen/Menu

Select Tracks Screen

No Tracks Selected Pop-Up

Control Systems

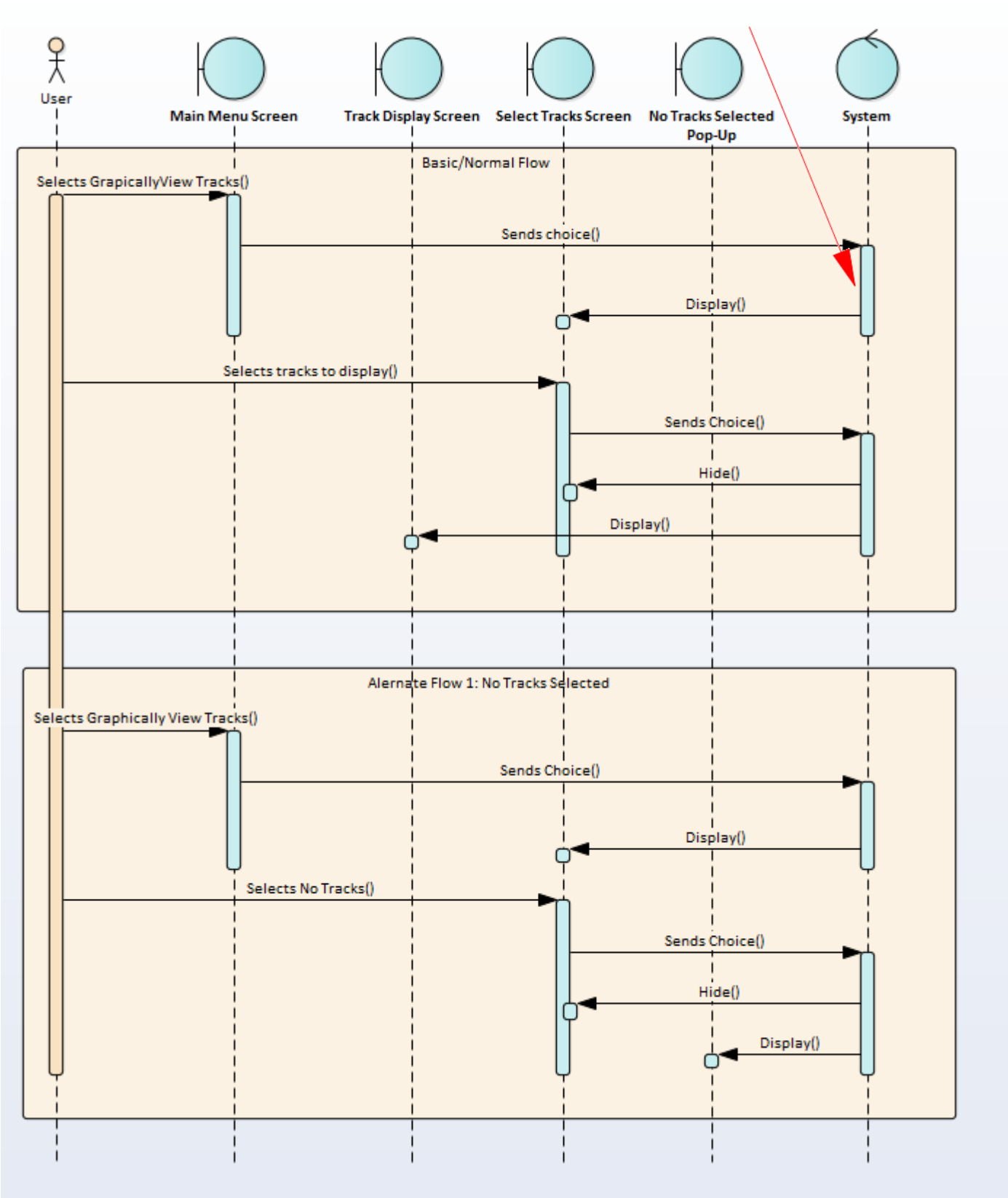
System

Entity Elements

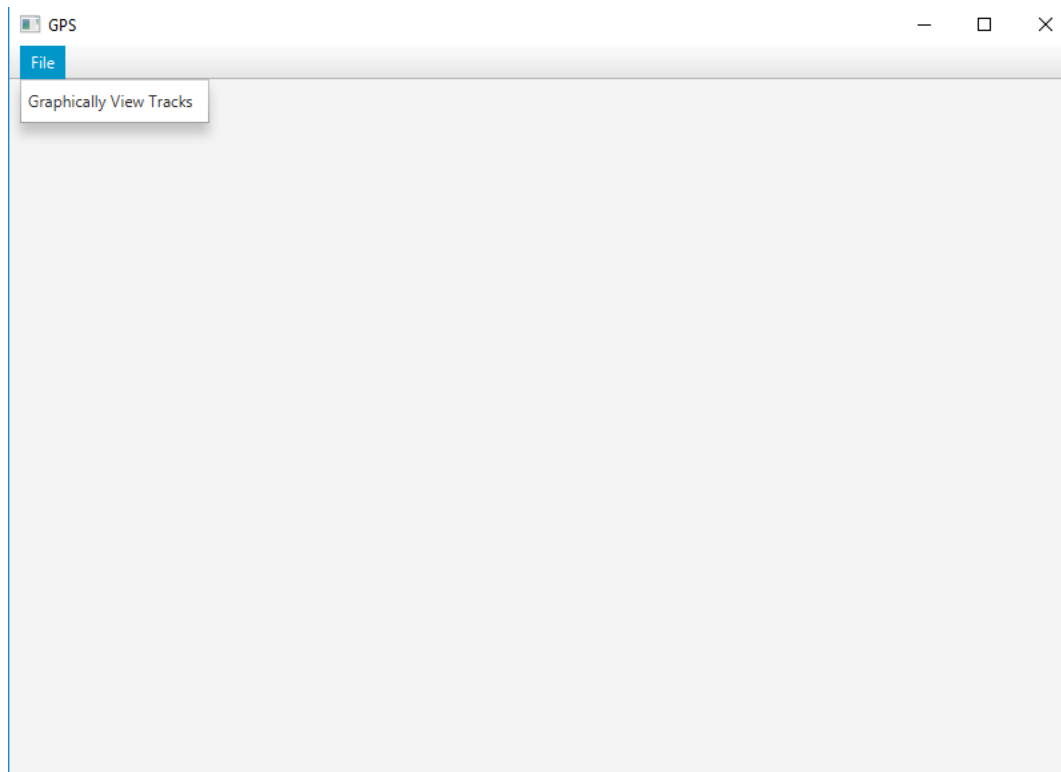
Loaded Tracks

Sequence Diagrams

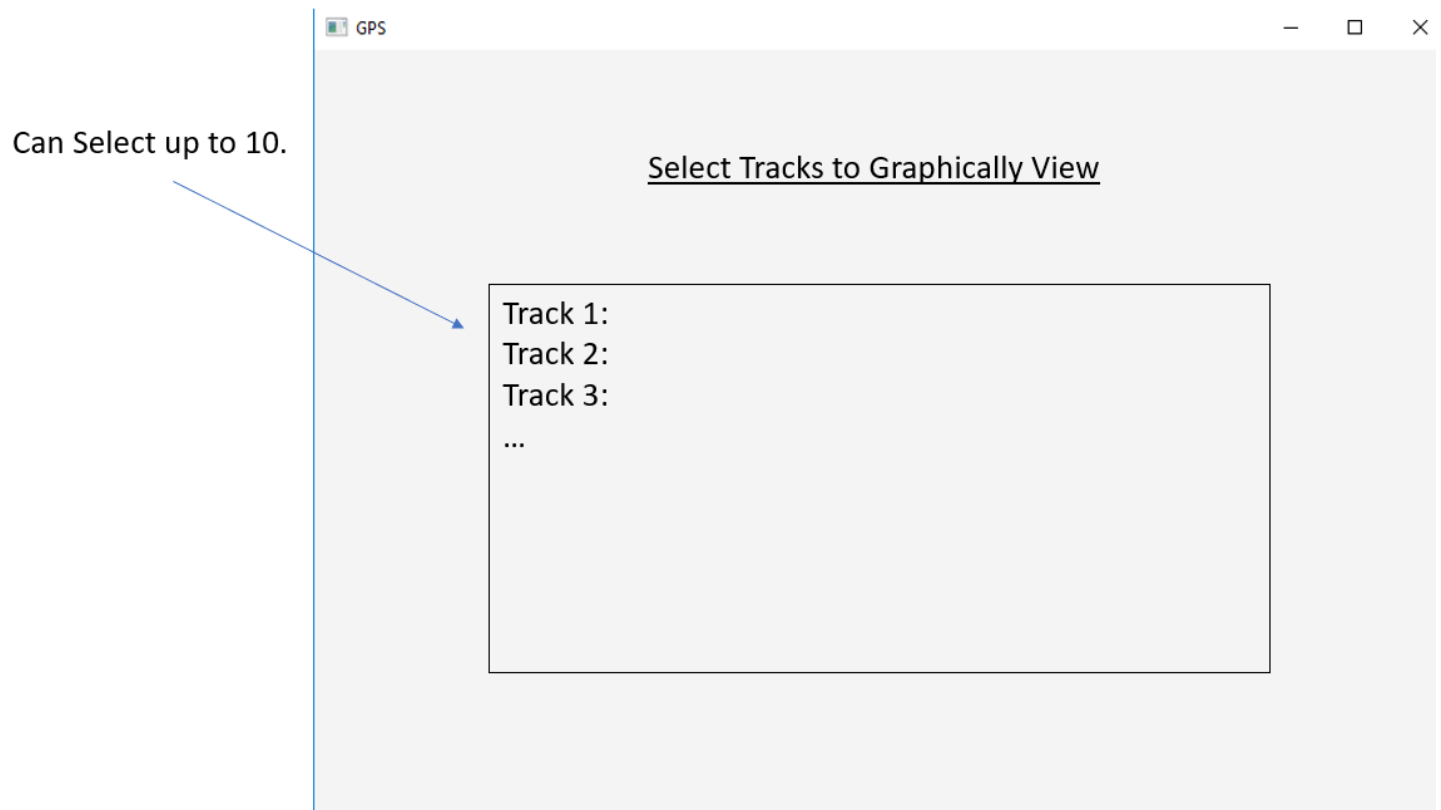
Show the system getting the data from the Loaded Tracks entity.



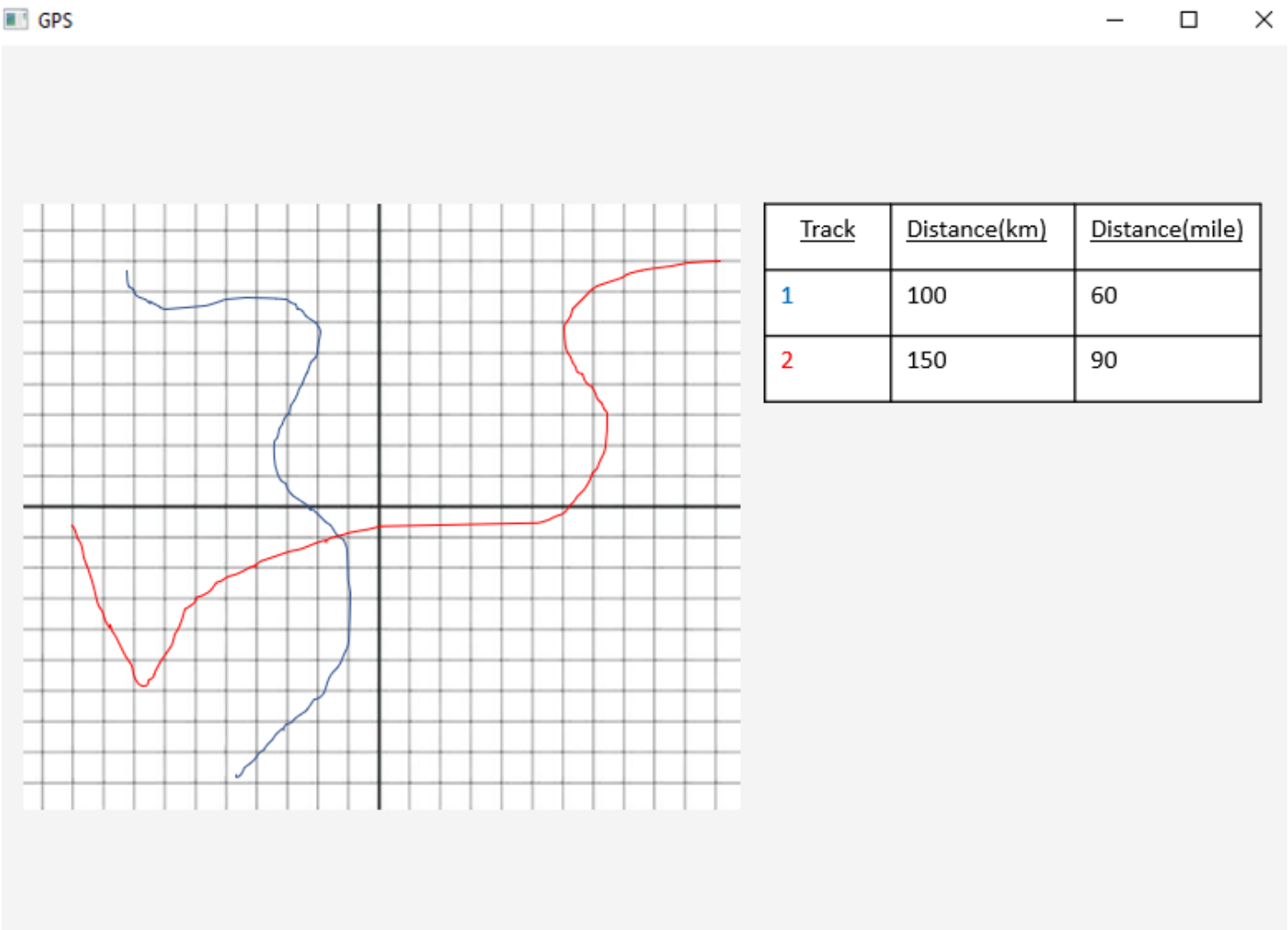
GPS Main Menu



Track Selection Screen



Track Display Screen



No Tracks Selected Pop-up

