

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

Actors

User

Boundary Elements

Main Screen/Menu

Track Display Screen

Select Tracks Screen

No Tracks Selected Pop-Up

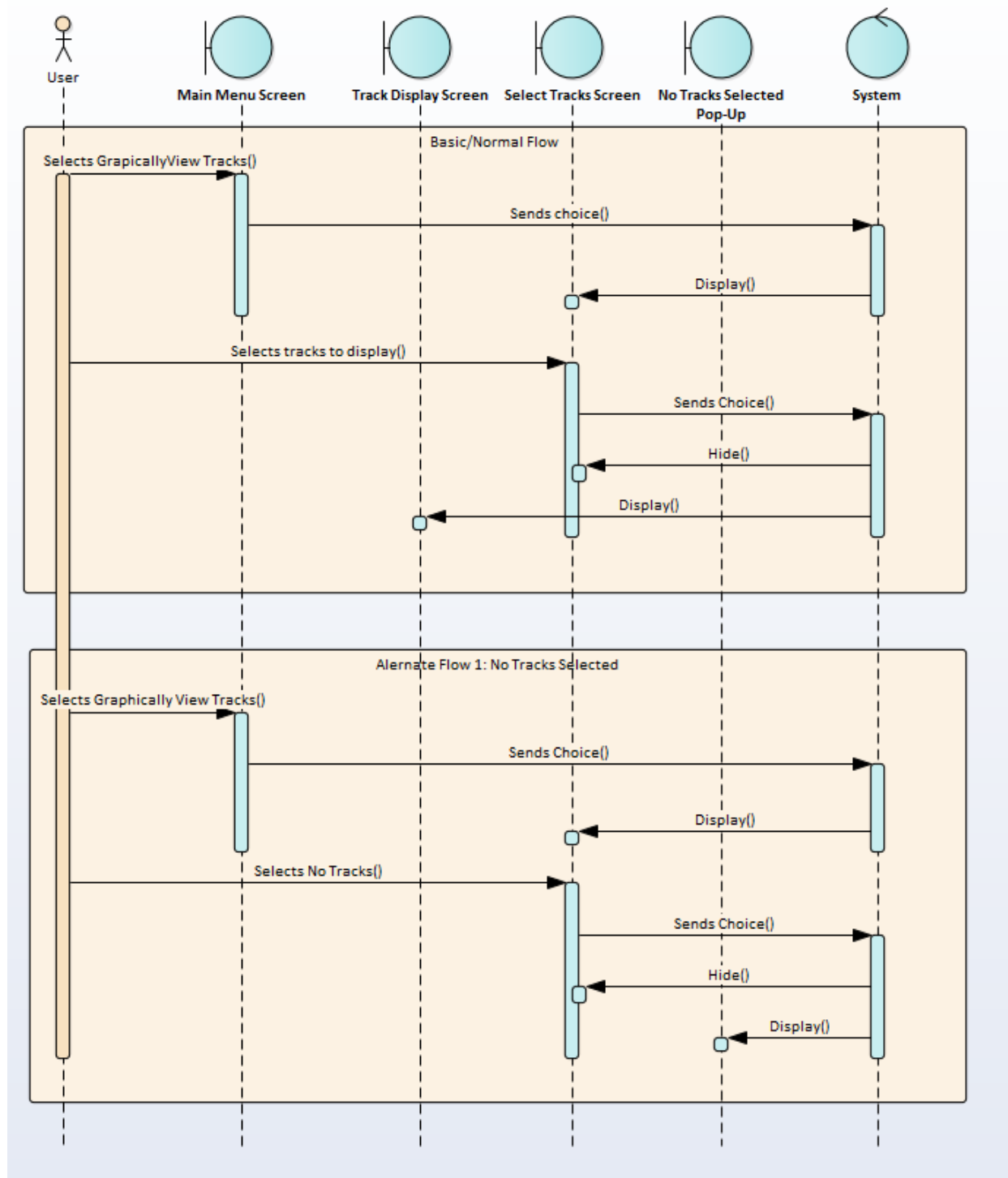
Control Systems

System

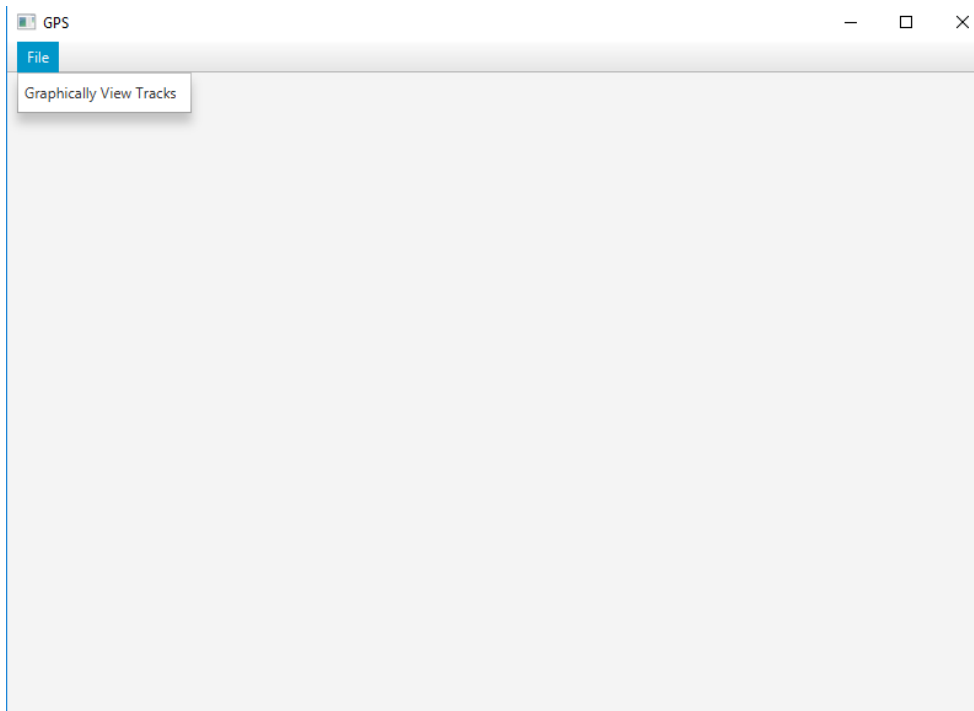
Entity Elements

Loaded Tracks

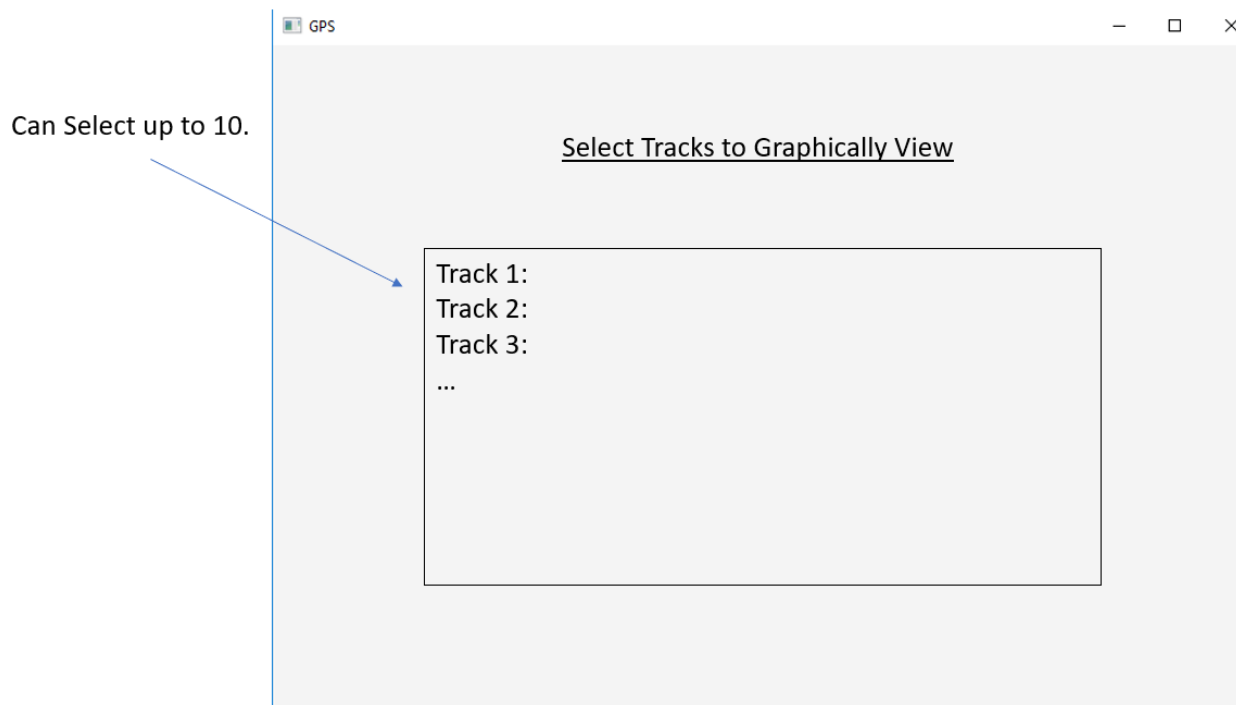
Sequence Diagram



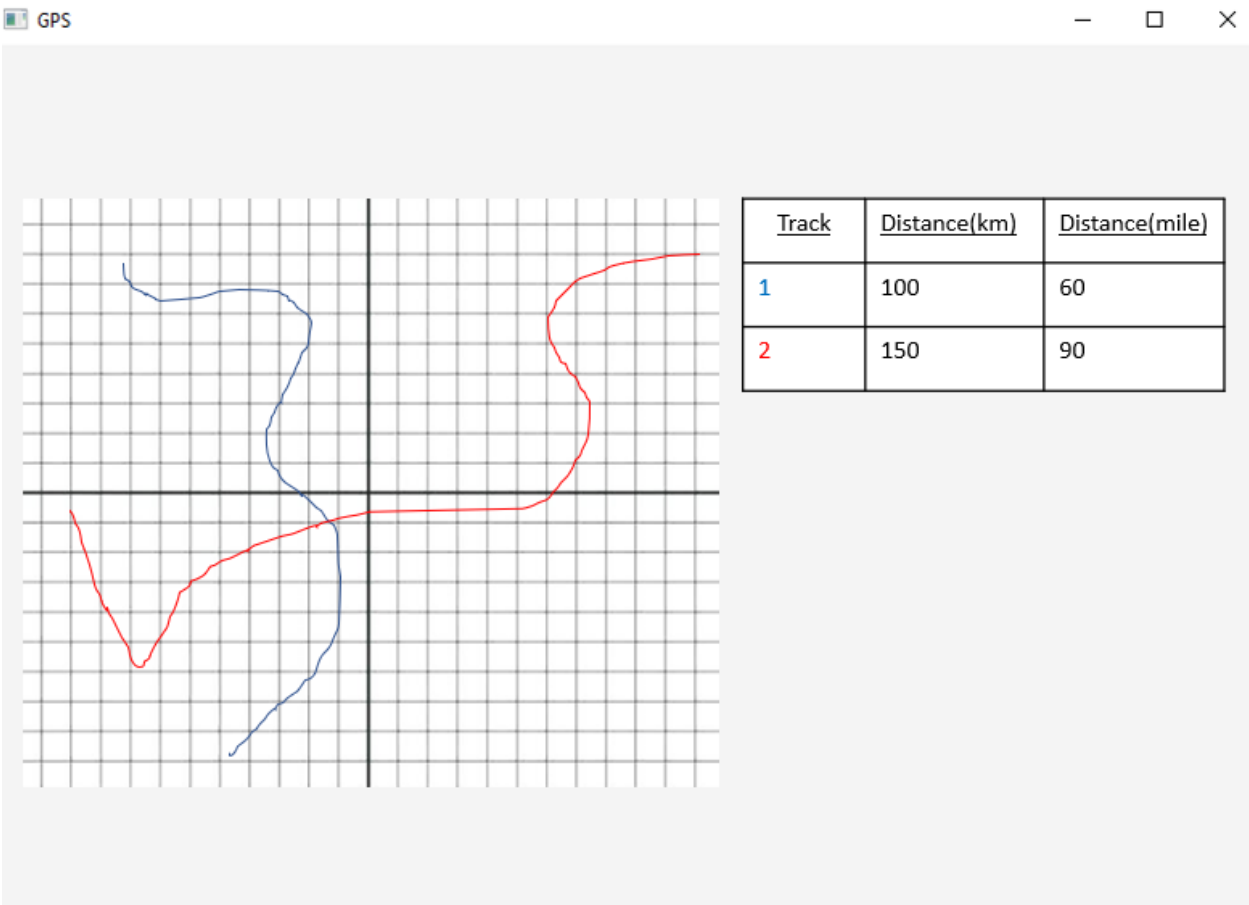
GPS Main Menu



Track Selection Screen



Track Display Screen



No Tracks Selected Pop-Up

