



# PointMap

A Geospatial Mapping Tool

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## Point Editor: Developer Documents

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# Introduction

Point Editor is the interface in which the user can create and edit point data. This feature is accessible to admins and users.

## Accessibility

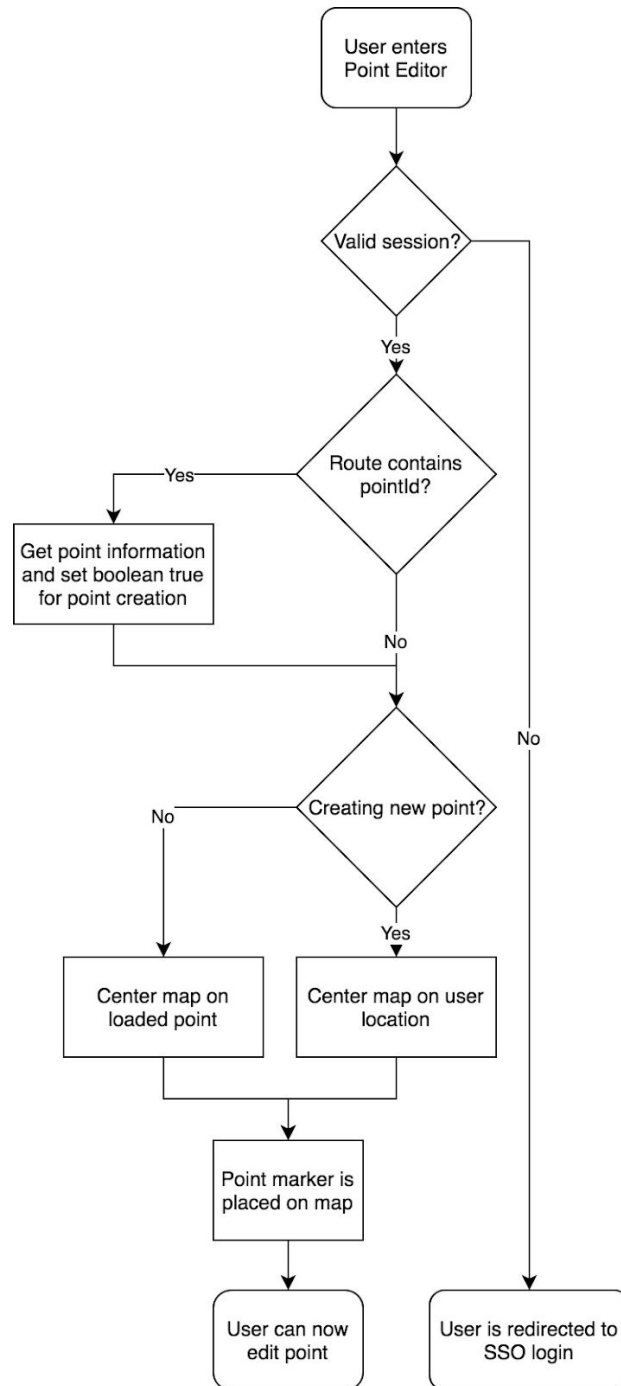
Point Editor can be reached by clicking on the create point button in Map View. Point Editor can also be accessed by clicking the edit point button in Point Details. A user must be logged in and hold a valid token to access Point Editor.

## Functionality

Point editor consists of three main functionalities:

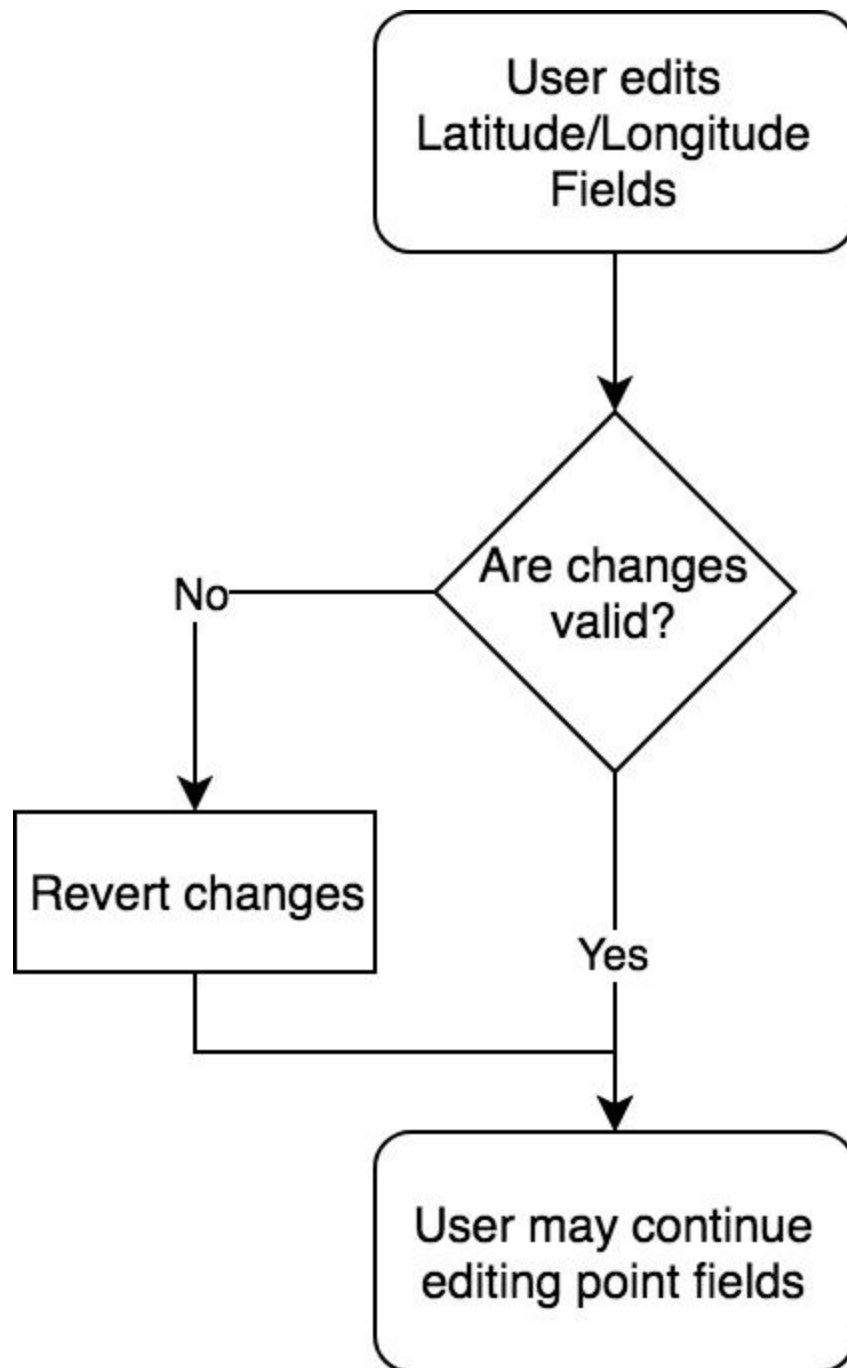
- Loading the initial map
- Editing point fields
- Saving the point data

## Loading the Initial Map:



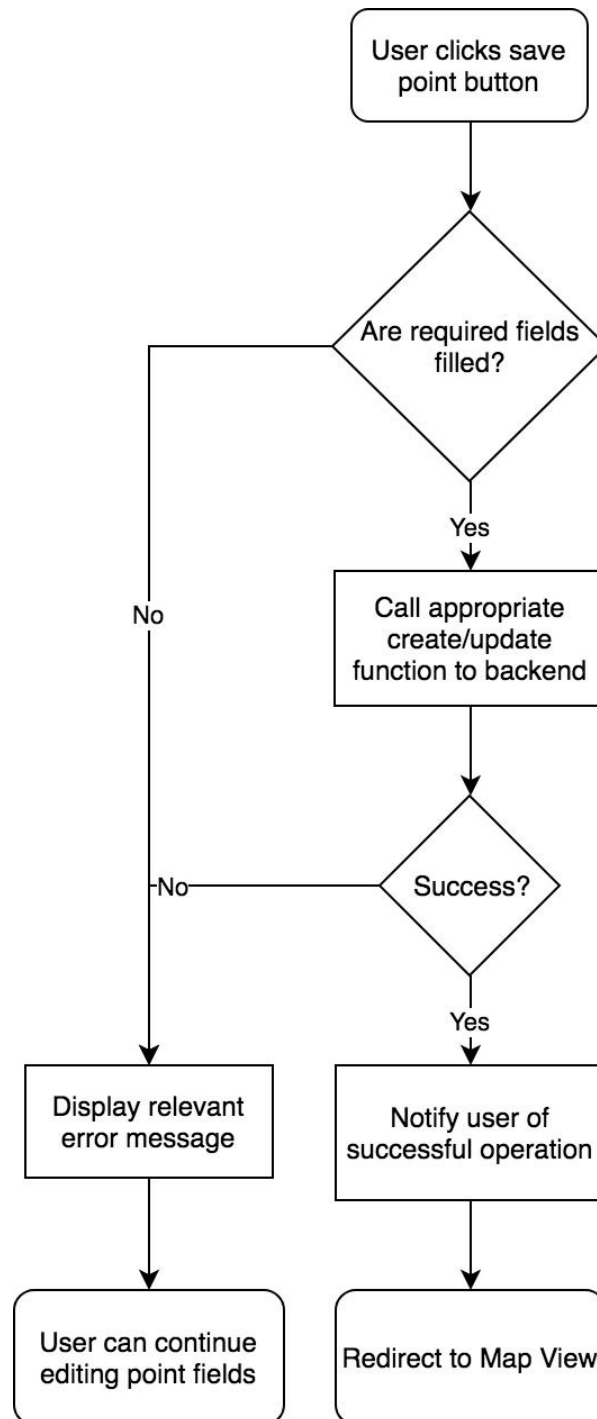
Point editor will first check the user session to ensure it is valid. Then, it will check to see if the user is editing a point or creating a point based on if a pointId is passed in the route. If the user is creating a point, the map will load to the user's location, otherwise the map will load to the location of the point specified by the pointId. Then the user can modify the point.

## Editing Point Fields:



The Point Editor will ensure that changes to longitude and latitude fields are valid. All fields are checked to ensure they cannot be left blank, cannot be out of range, and cannot be other text. Longitude values must be float values between -180 and 180. Latitude values must be float values between -90 and 90.

## Saving the Point Data:



The Point Editor will check to ensure that all the form fields are filled upon the user clicking the save point button. If the fields are filled correctly, Point Editor will make a call to the backend to create or update the point. If the operation is successful, the user is notified, then redirected to Map View. Upon any issue, an error is displayed to the user.