

SCDM User Guide

1. Introduction

SCDM (Survey Control Data Manager) is a mobile optimized web app that allow registered users (surveyors/field engineers) to preview/upload map layers containing ground control points data. Ground control data will be organized in projects. Each projects will be in separate layer. Currently the app support only GeoJson layer format for displaying on Google Map. Based on location search, and layer being toggled in the menu, relevant data points will be displayed to a user. To non-registered users, data layers on the map may include NGS(National Geodetic Survey) points data, or other local government agency point data if available.

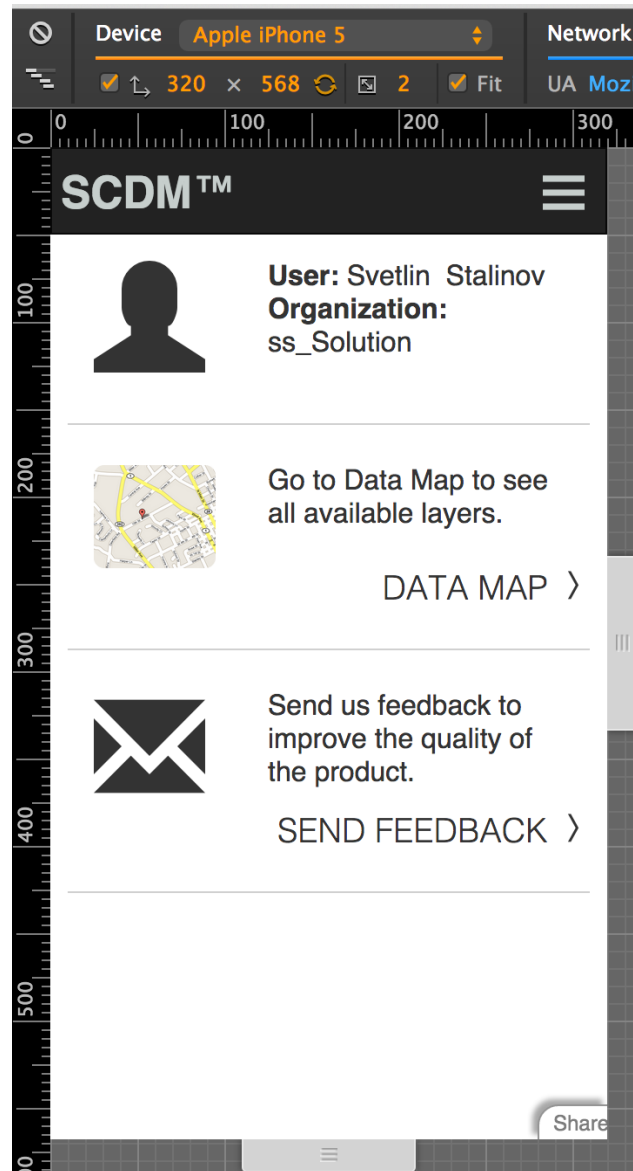
2. Home page

a. Home page for non-logged in users

- Login tab - redirected to Login page.
- Data Map tab - redirects to Google Map page.
- Send Feedback - redirects to feedback page

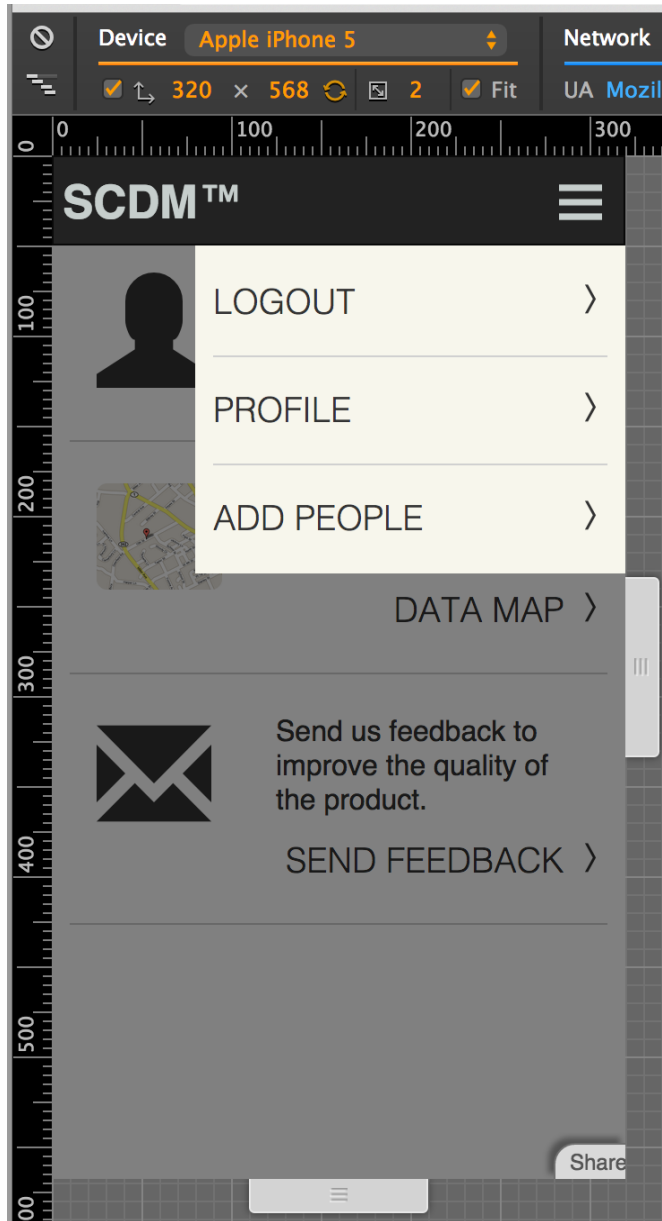
b. Home for logged in users

- i. Login tab gets swapped with user information-user first and last name, and organization name user belongs



c. Home page menu open

Menu provides functionality for logout, redirects user to profile page and add people page.

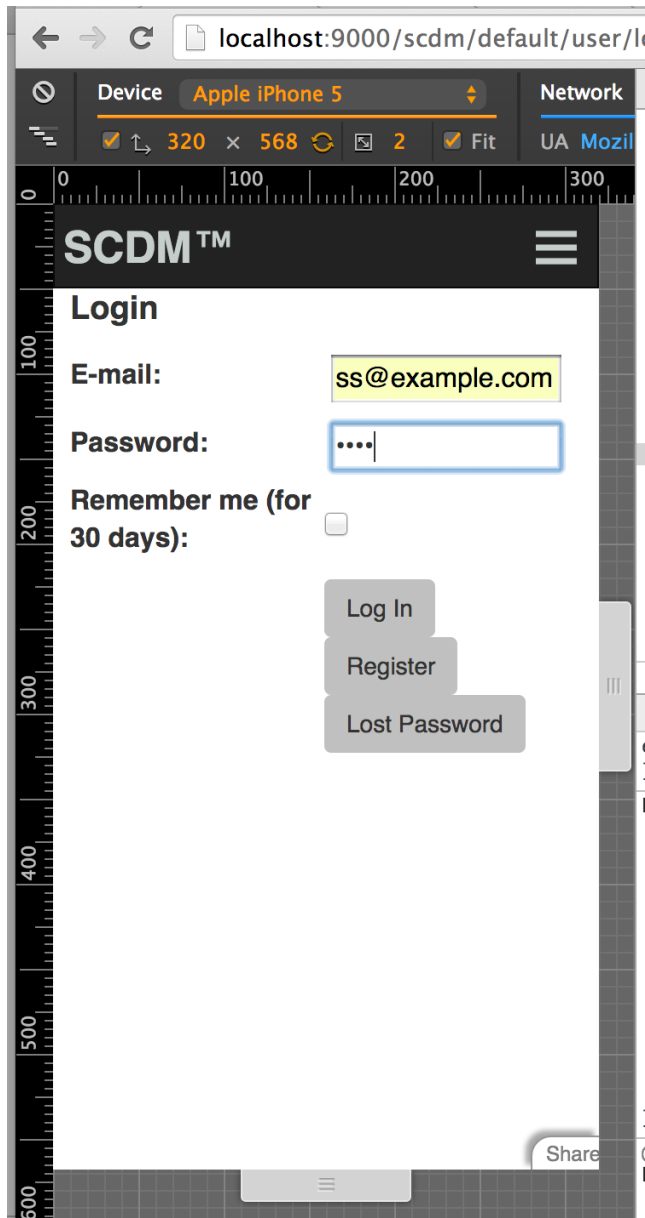


3. Login Page

Provides functionality for the user to login or register. For testing purpose use following email/password combination:

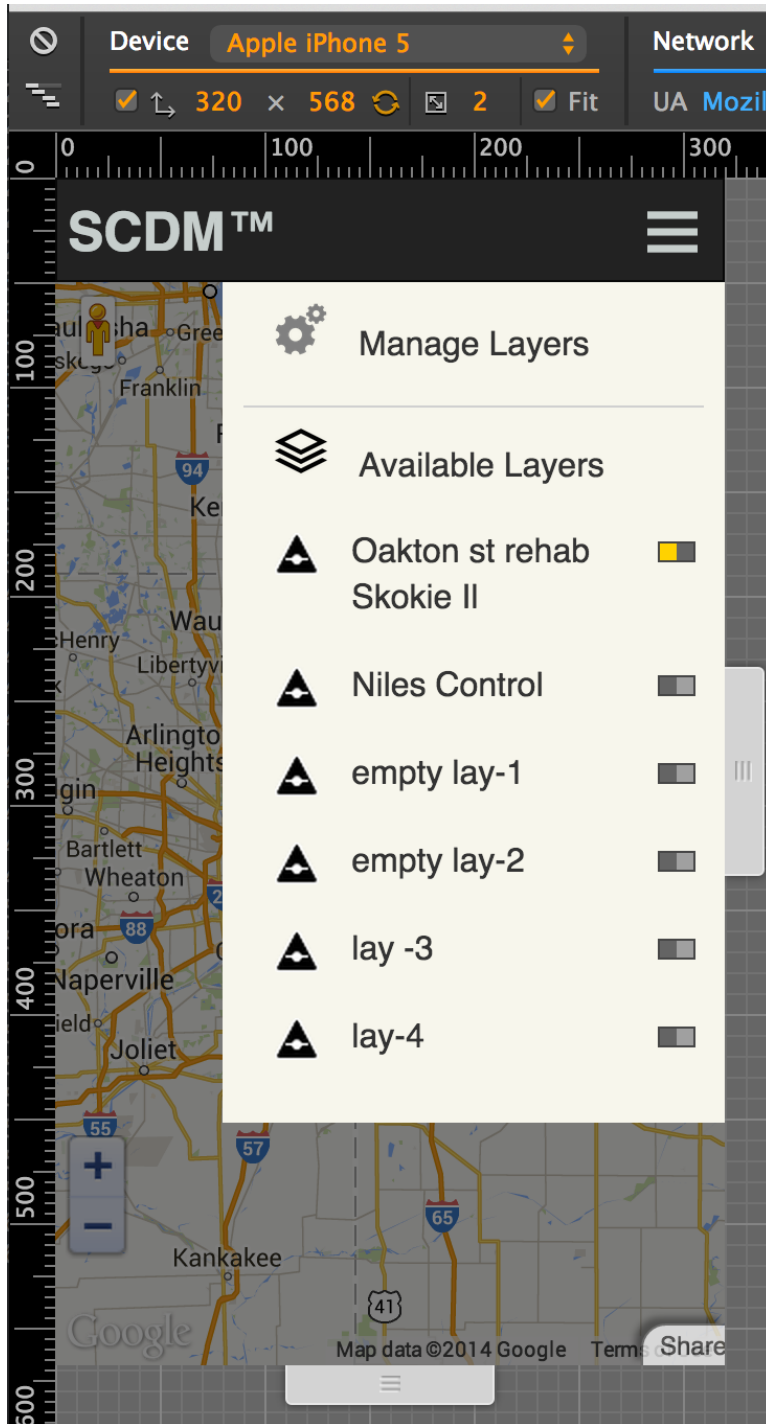
email: ss@example.com

password: test

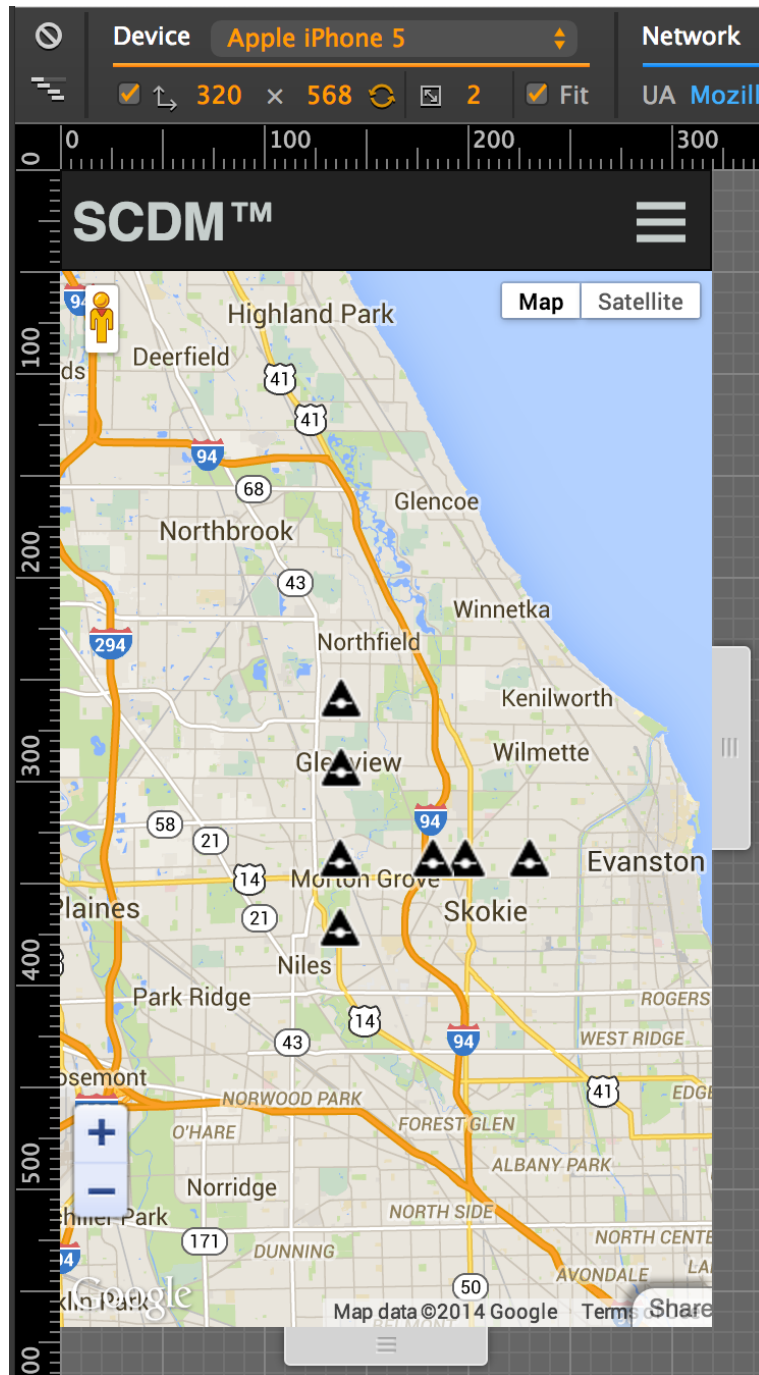


4. Data Map page

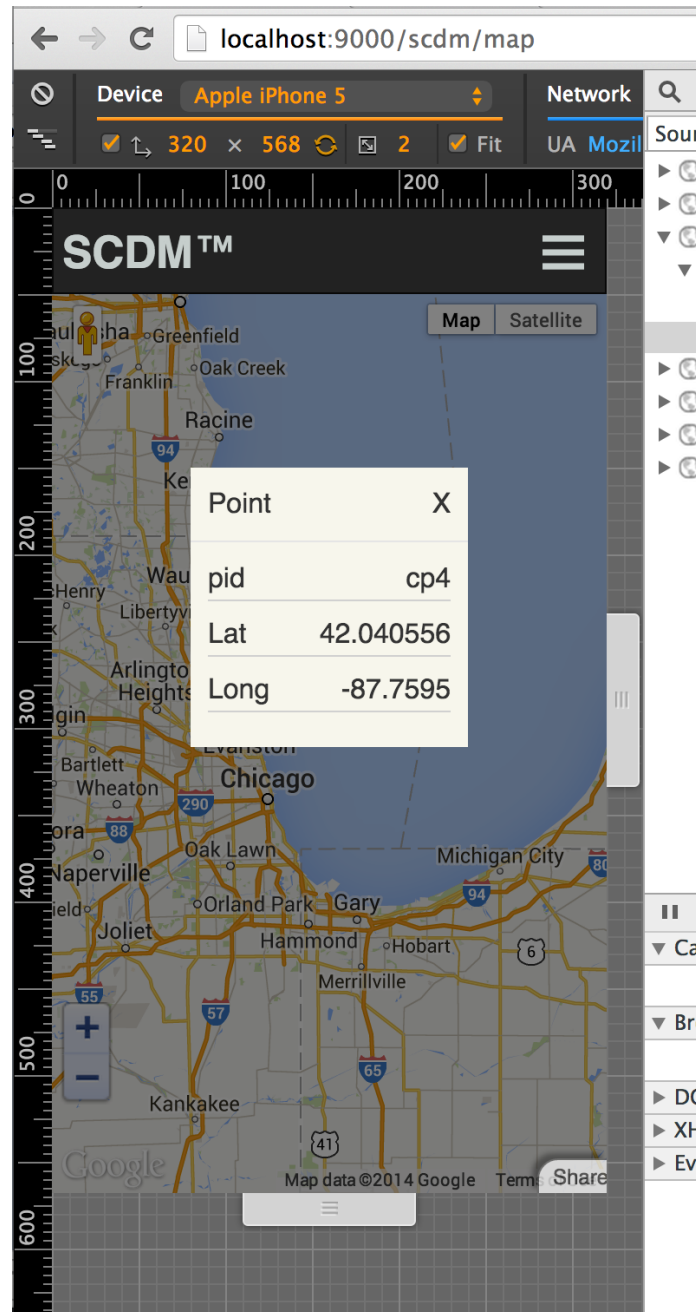
Logged in users have access to their organization layers data. By clicking on the menu button, a list of the available layers for the organization is displayed. Layers are sorted by most recent first. The screen shot shows layers available for example organization "ss_Solution". Layers get activated by clicking on the toggle button on the right. By clicking on the "Manage Layers" tab, the user gets redirected to the manage layers page.



Upon exiting from the menu either by clicking on menu button or background overlay, point markers are displayed on the map.

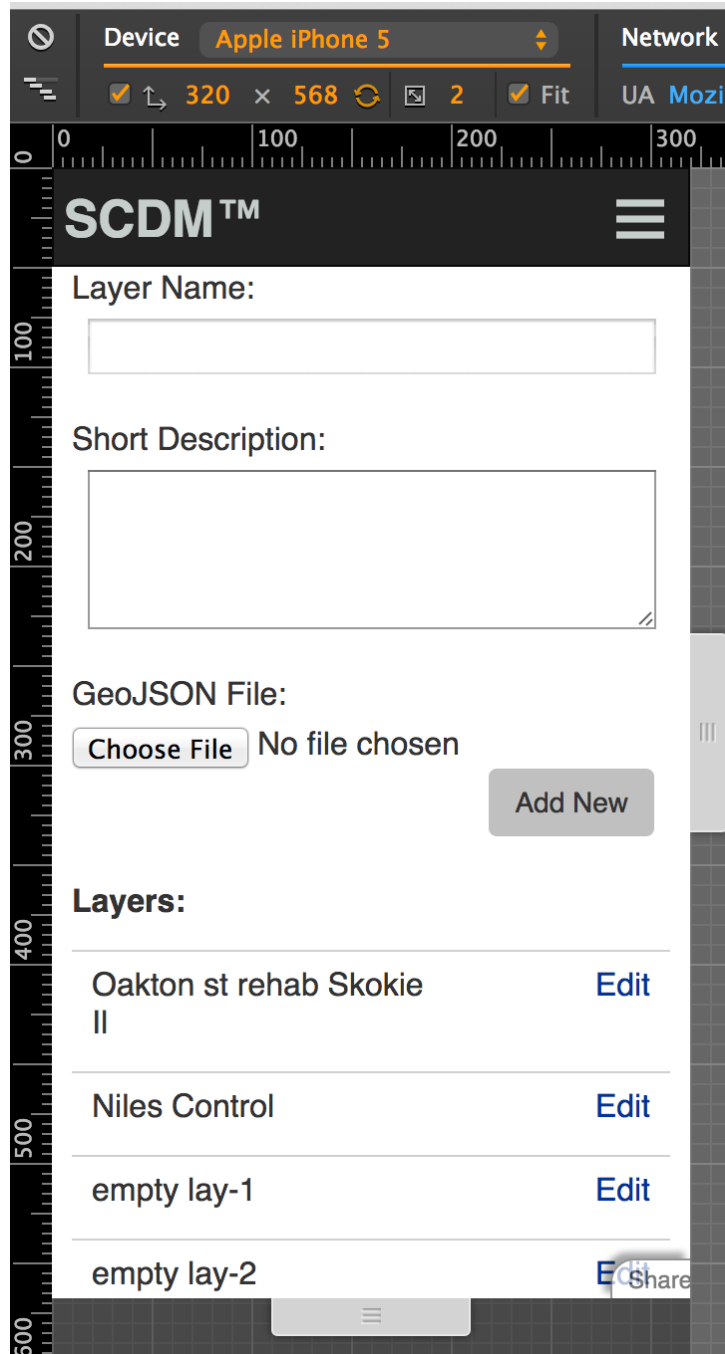


By clicking on a marker, relevant information for the point feature gets displayed in pop-up modal. This example layer has only point data, but GeoJson layer can contain other data such as multi-points, lines, polygons etc. See <http://geojson.org/geojson-spec.html> for more information on the GeoJson specification.



5. Edit layers page

Edit layer page provide functionality to upload new layers for the organization as well as editing existing ones. “Add New” button submits new layer information. Tapping on Edit button in the layer list brings layer information in input fields. Layer information then can be edited.



6. Features yet to be implemented:

- Incorporating NGS data layers, and other government agencies data(based on location).Currently only registered users data layers are supported.
- Add geo search and pan to location on Google Map.
- Implementing feedback logic/page.

- d. Implementing Add more people to organization page and logic. Newly added users will receive their credentials via email notification.
- e. Refactor/redesign layout to be responsive for desktop and mobile. Currently only mobile optimize pages are available.