Team Volcano

Tuesday 2/9/2016

The Team: Alexis Kuprel

Steve Tracey Matt Dean-Hall

Dillion Mavroulis Dalton Shoebridge

Micah Kempf Jon Booth

User Personas

Bill Smith - Admin

- PhD in Volcanology from Stanford
- Masters in Volcanology from Harvard
- Bachelors in Electrical Engineering and Volcanology from Harvard
- Fluent in English, Spanish, and French

User Personas

Timmy - Tourist

- 12 Years Old
- Researched Volcanoes on Wikipedia and watched a couple of youtube videos
- Fluent in English
- Rich parents are taking him on a trip to visit Pacaya

Nominal Use Scenario

▨ **Tour Guide/ Tourist:**
- Lands on home page
- Navigates to set of forms
- User selects the plume form
- Enters in a height of 100 meters
- Selects white for color
- Uploads a picture taken of the plume
- Hits submit
- Brought back to the form selection page
- Quits the app 'cause he is done

Nominal Use Scenario

▨ **Admin (Scientist for example)**
  ○ lands on the home page
  ○ uses the navigation bar to navigate to the admin login page
  ○ logs in using his username and password
  ○ the admin sees a list of submitted forms with the option of deleting or viewing the form
  ○ the scientist decides to view the latest form
  ○ the scientist can then edit the form or go back
  ○ The scientist closes the app after viewing the form

Usability Goals

Motivating
- All data is provided by users
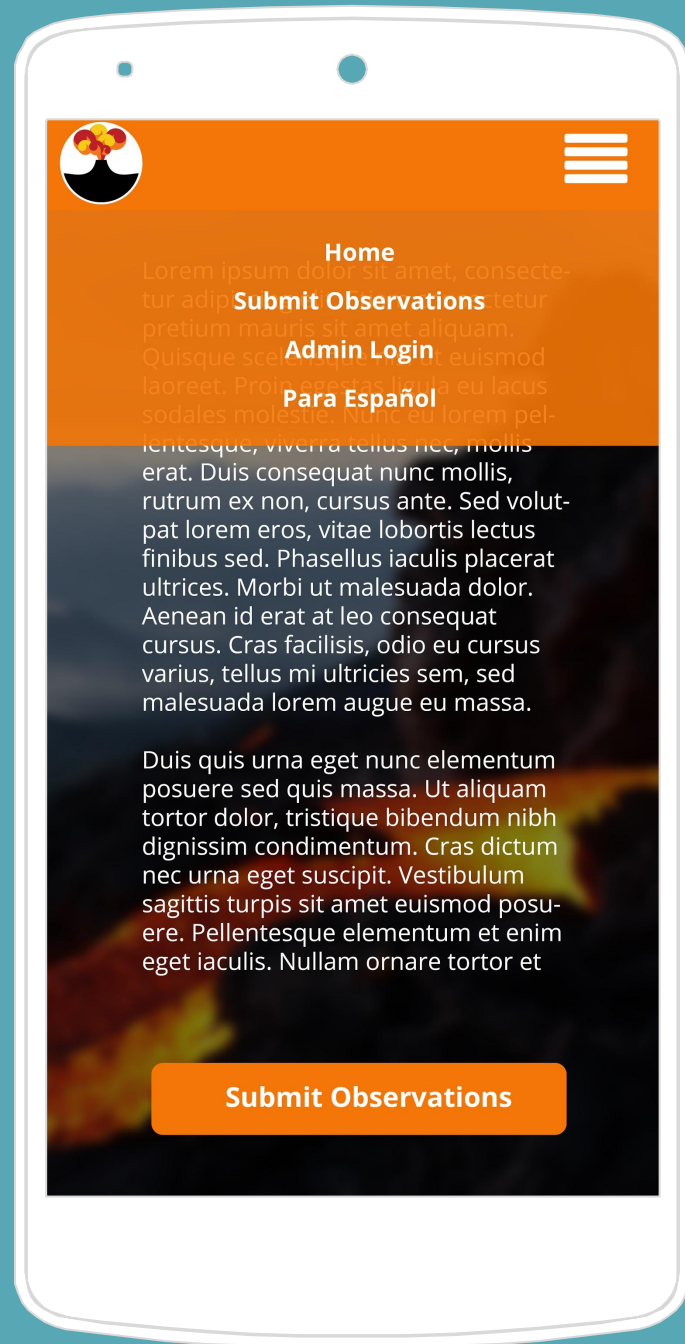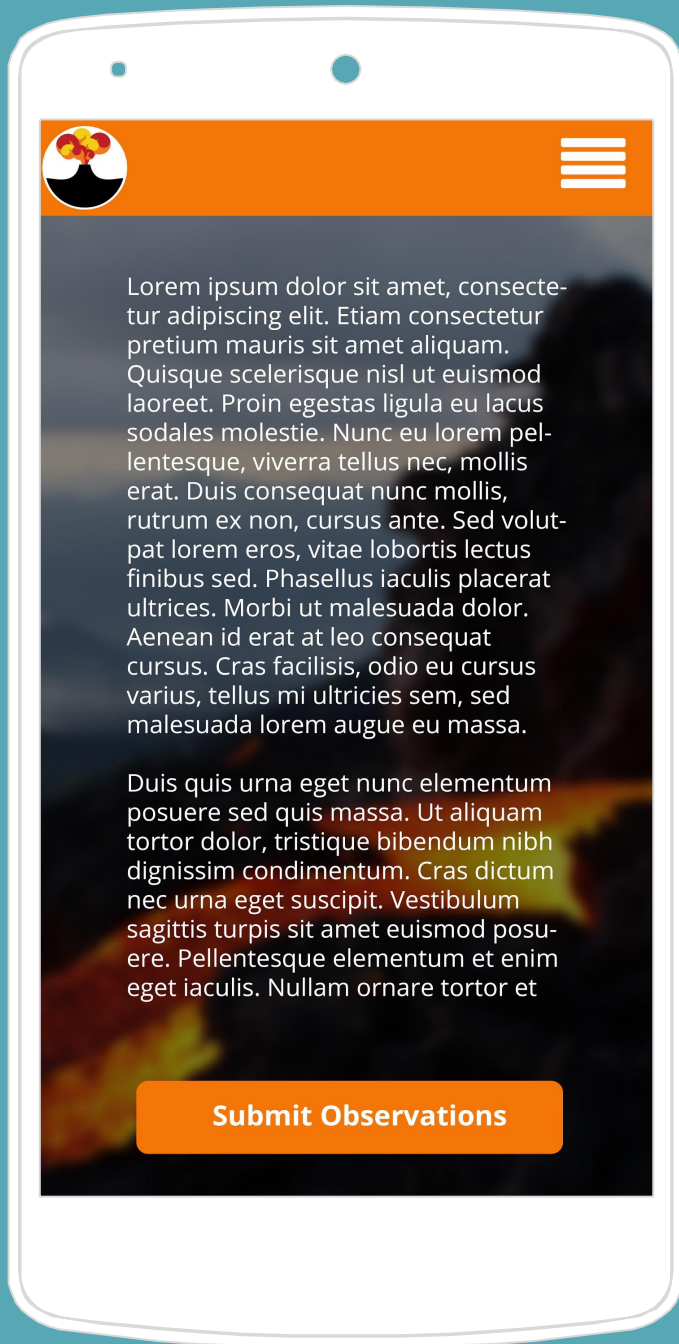- Users do not get material compensation

Efficient
- Users will be on tours/giving tours etc.
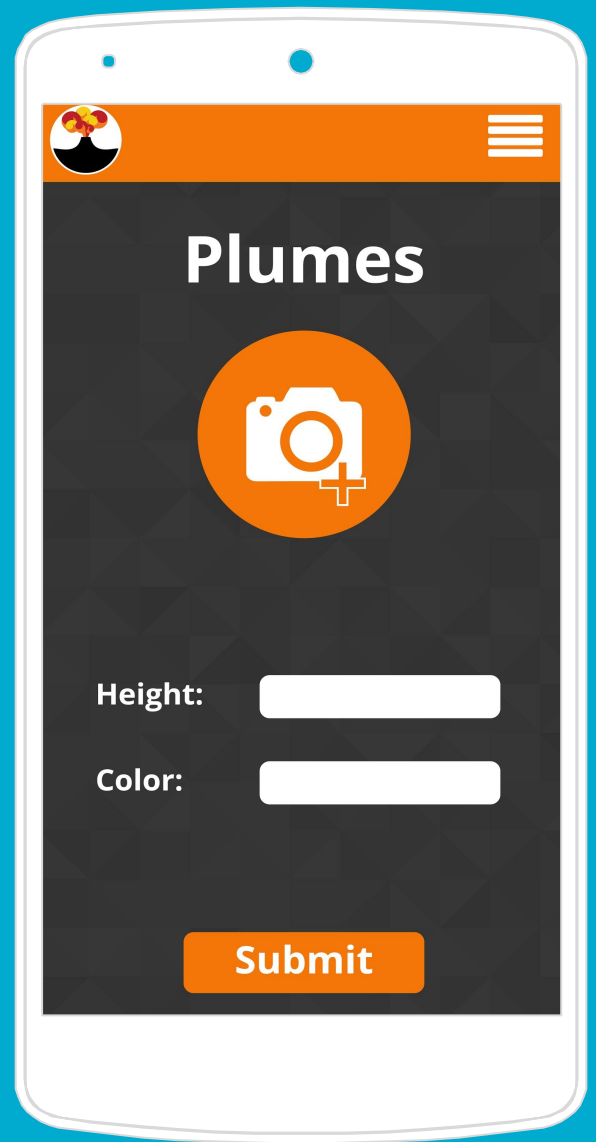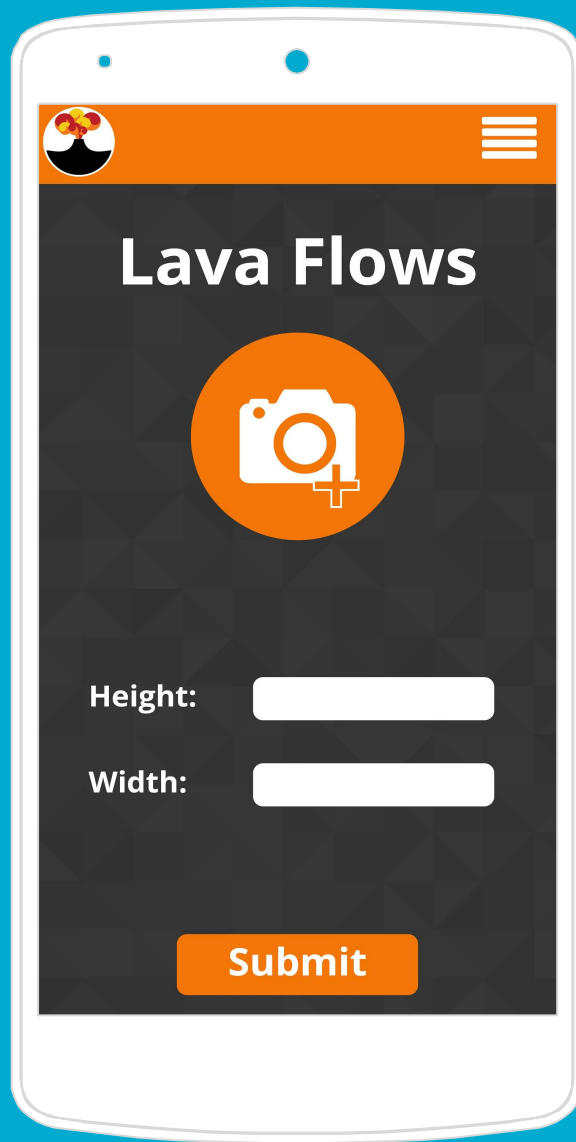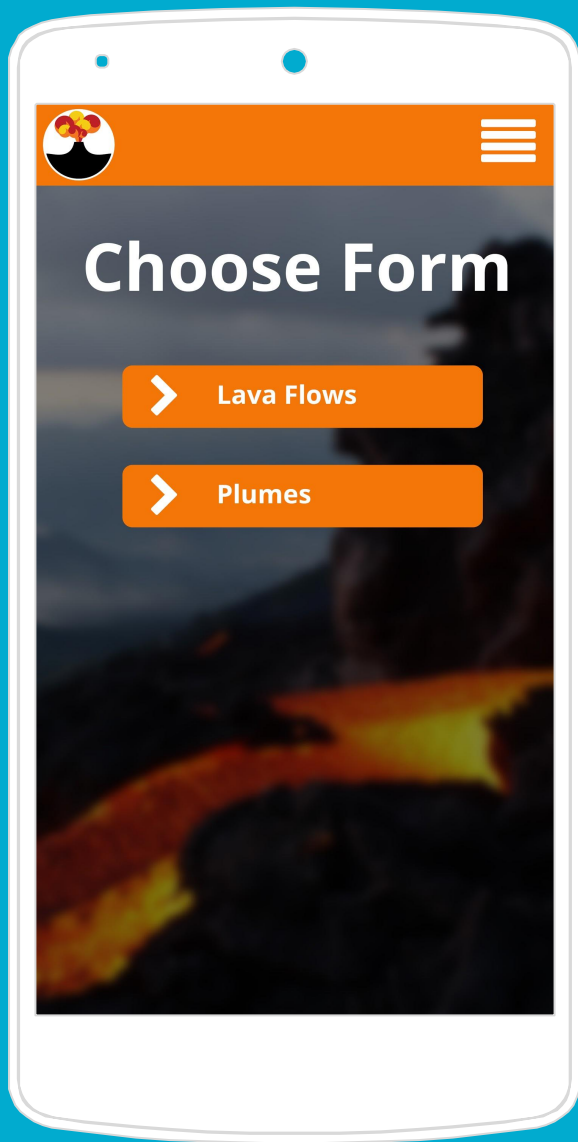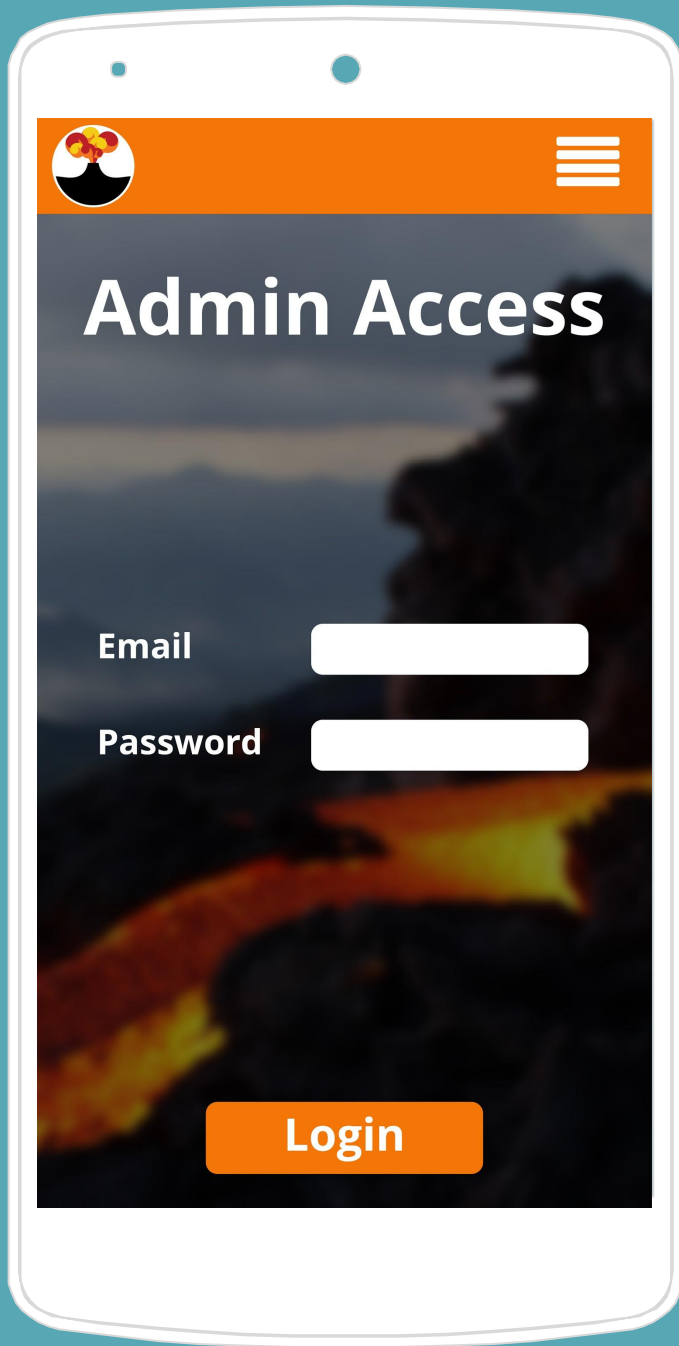- Too much time can't be spent figuring out/using

Informative
- We want the data to be useful and informative to Pacaya

Cognitive Walkthrough

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Submit Observations

Home

Submit Observations

Admin Login

Para Español

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Submit Observations

Choose Form

> **Lava Flows**

> **Plumes**

Lava Flows

Height:

Width:

Submit

Plumes

Height:

Color:

Submit

Admin Access

Email

Password

Login

Lava Flow	12:53 2/17/2016	👁	✖
Lava Flow	14:40 2/17/2016	👁	✖
Plume	14:47 2/17/2016	👁	✖
Plume	15:35 2/17/2016	👁	✖
Lava Flow	17:53 2/17/2016	👁	✖
Plume	18:20 2/17/2016	👁	✖
Lava Flow	18:25 2/17/2016	👁	✖
Lava Flow	19:25 2/17/2016	👁	✖
Lava Flow	19:47 2/17/2016	👁	✖
Plume	19:58 2/17/2016	👁	✖

Lava Flows

Height: 50m

Width: 20m

Edit

Lava Flows

Height: 50m

Width: 20m

Save
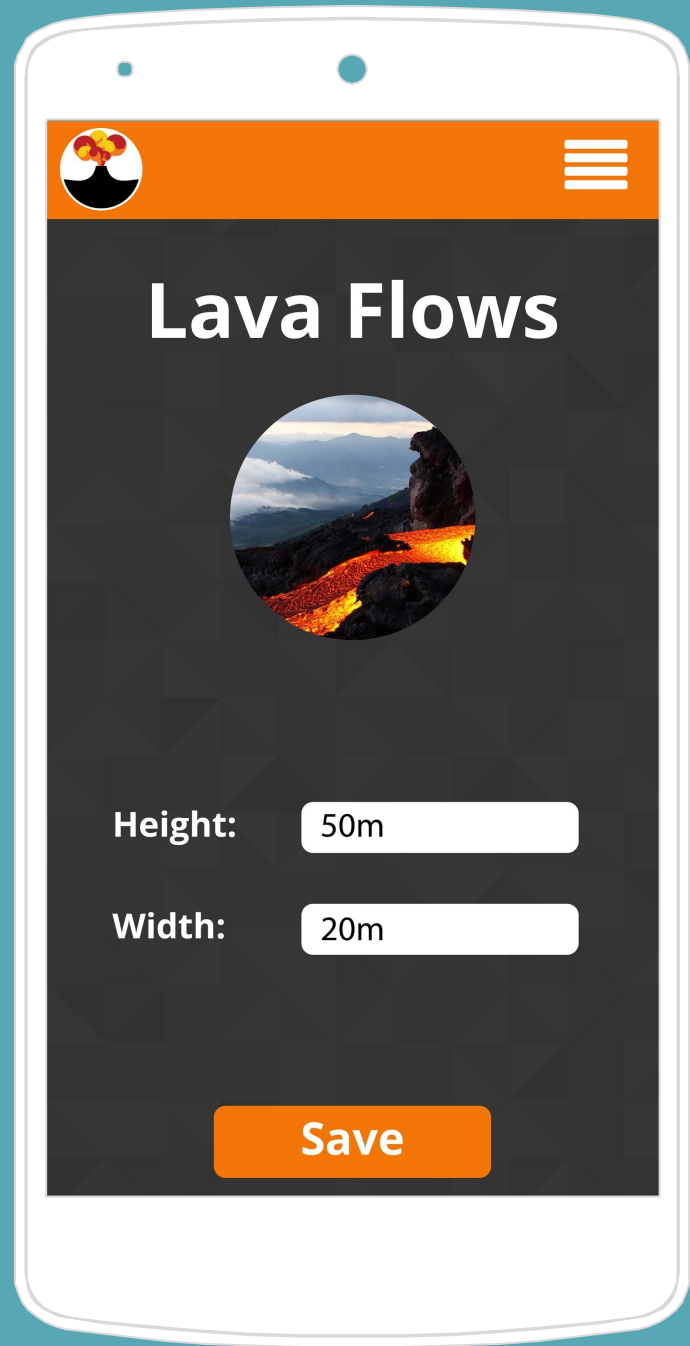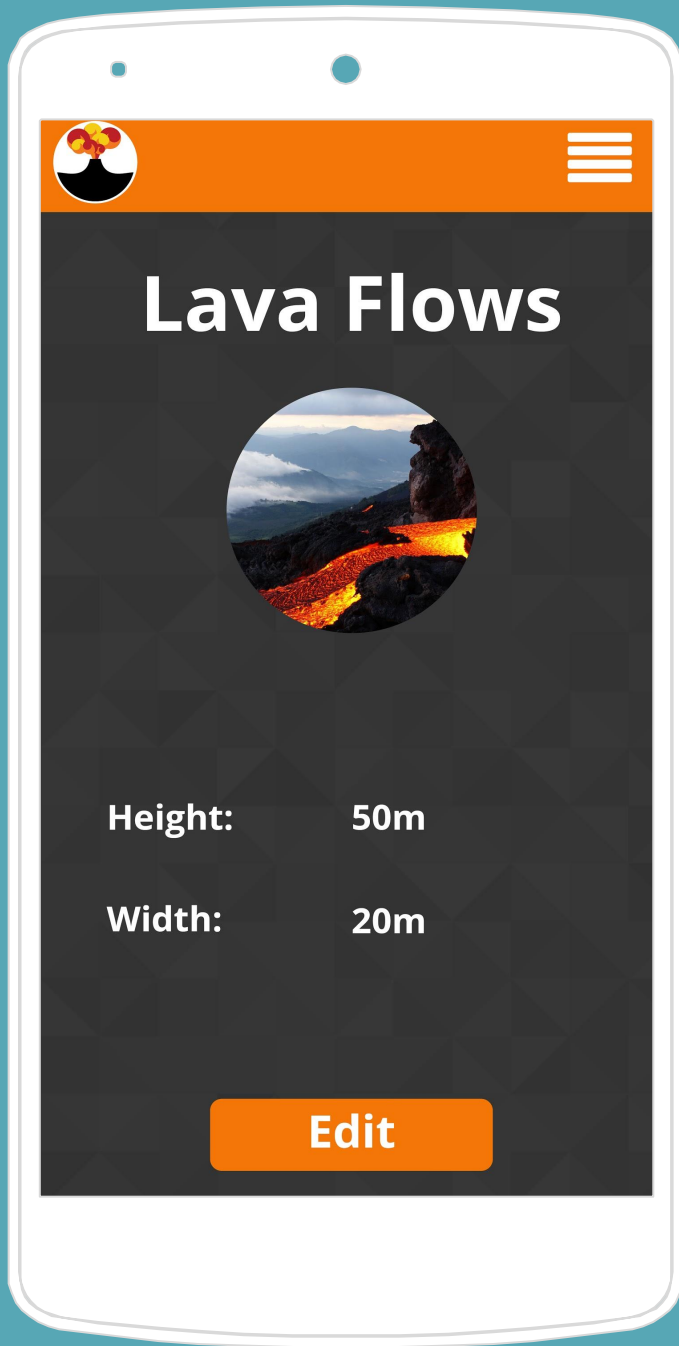
Usability Concerns

Useless Posts
- Will the app be able to deter users from taking useless pictures or inconsistent data

Language
- We will have two different sets of users that may be using multiple languages.

Do they Care
- Why would a tourist want to use this app and how can we make it interesting to use.