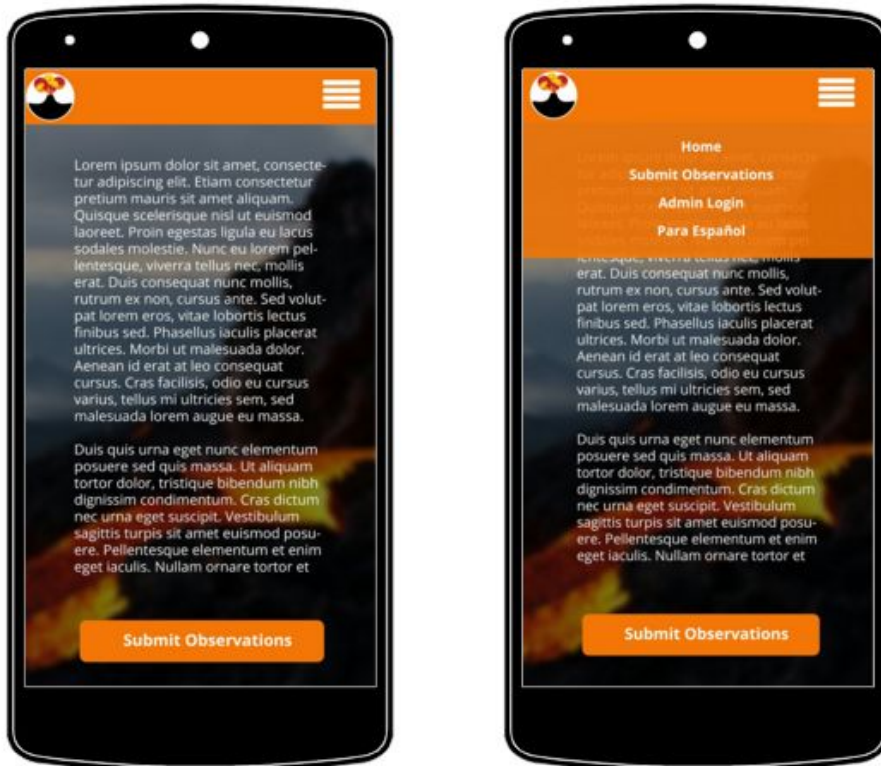




# **Assignment 5**

**Team Volcano**

## User Interface Explanations:



There is the landing page that everyone will see when our users first come to our page. The placeholder text will be replaced with a brief background about Pacya and why it's important to collect this data. There is a button that will take users to the form selection screen to fill out their observations. There is also a navigation menu in the top right that will allow our users to navigate to other parts of the website such as the admin login.



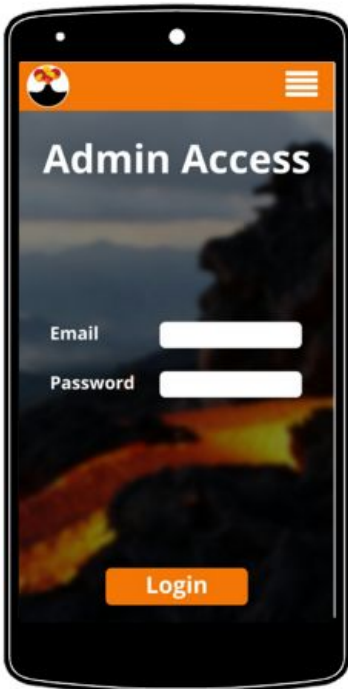
Here will be a list of forms that the users can select from depending on what kind of observations that the users want to record.



An example of one of our forms. In this case we are expecting a picture and some rough dimensions of how large the lava flow is.

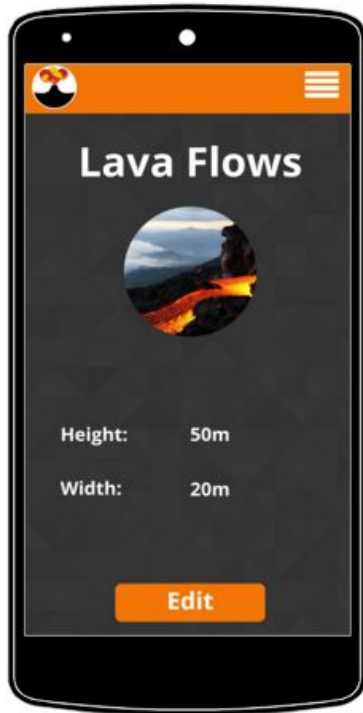


An Example of another form. where we are getting the color, direction, and a photo of a plume.

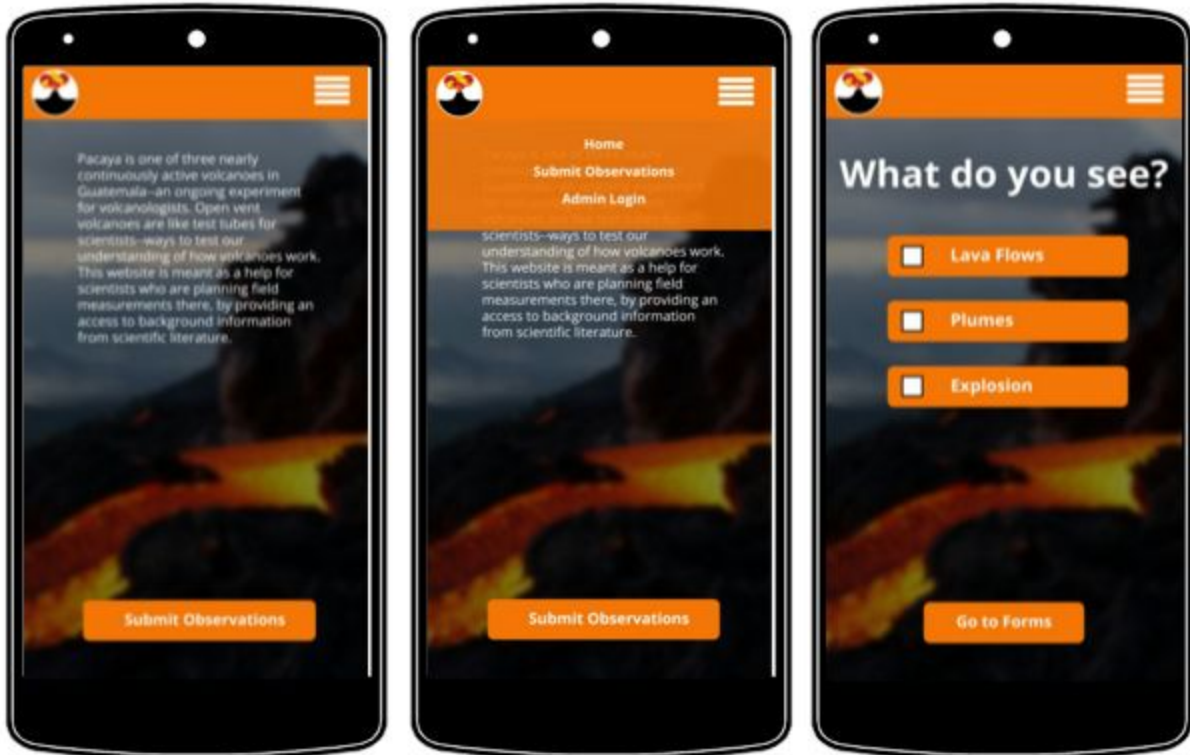


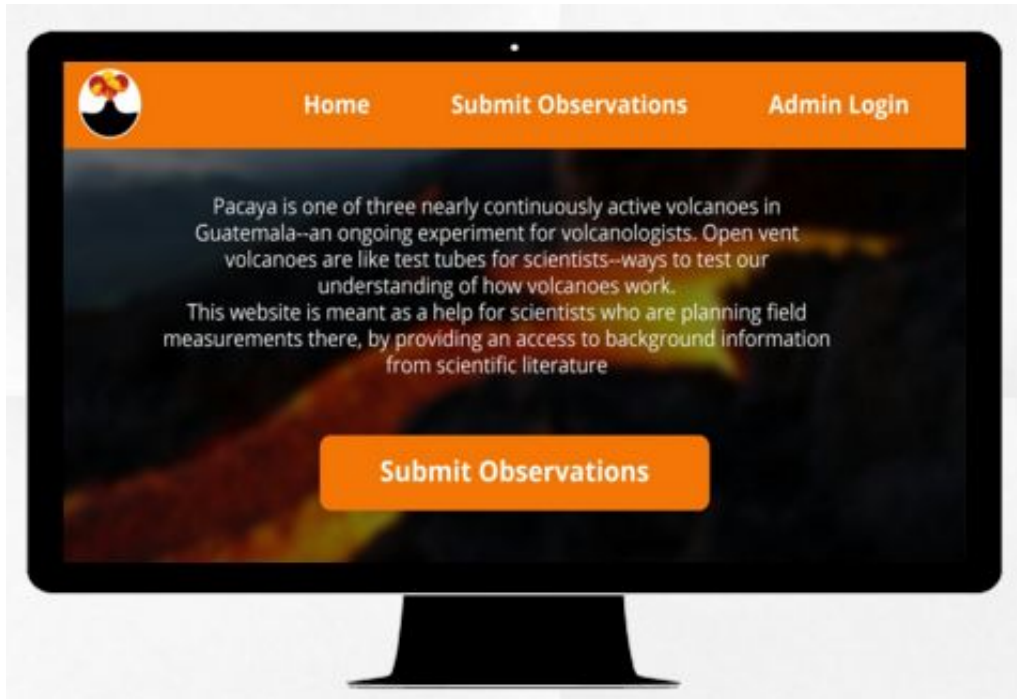
This is an old concept of what an admin side of the site would look like. The expectation is that admins would be on a desktop and that they wouldn't need to see every form submission on the website. Instead there will be a download link for a CSV file that will contain all submissions since the last time the csv file was downloaded. The plan is to allow the scientist to download a range of submissions based on

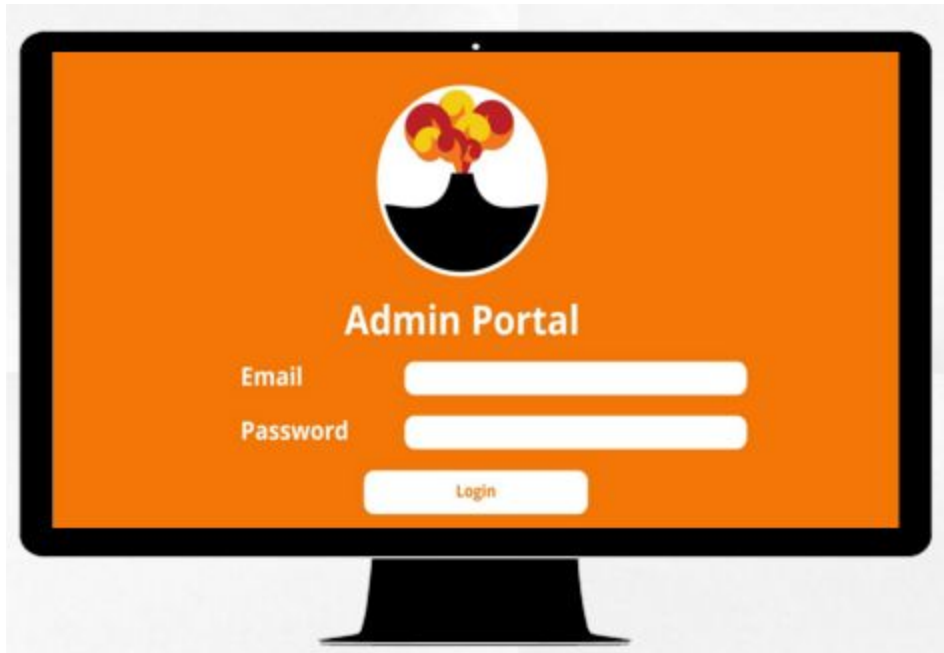
when they were submitted. In the future it may be helpful to allow the scientist to download the CSV file and then upload a corrected set of data for public viewable aggregation of the data.



## Updated Interfaces:







## **Database Updates:**

### **Plume:**

- Color (Color Range Bar)
  - Blueish to Gray
- Direction (Dropdown)



- North
- South
- East
- West
- Northeast
- Southeast
- Northwest
- Southwest
- photo - File upload

**Lava Flow:**

- Height (Slider)
  - Min: ½ Meter
  - Max: 3 Meters
- Width (Slider)
  - Min: 1 Meter
  - Max: 20 Meters
- Photo – file upload

**Explosion:**

- Visible (Dropdown)
  - Yes
  - No
- Hear It? (Drop Down)
  - Yes
  - No

**Miscellaneous:**

- Photo (optional)
- Notes (optional)

## **Feedback:**

### **Walkthrough and Meeting Feedback and Results:**

**On the forms page, is the photo required or secondary to the form data?**

- Nothing is required, but users cannot submit empty form

**Why are we allowing tourists to submit forms if the guides are more reliable?**

- The guides see this stuff all day they may not notice certain things and it will be easier to get photos from tourists

**Ability to see who submitted data?**

- Too much hassle for tourists we want it to be easy and quick for them but the guides are all going to get the same login that way we can see it was from a guide but they also won't be worried or hesitant about what they're submitting and may make them submit more

**Should we accept multiple pictures?**

- No, that would be too many pictures to sort through

**Do users need to scroll through the landing page each time they use the app?**

- No users don't need to scroll each time, the idea is that the homepage will all be on one page, but also the navbar will make it easy for them to select what they want

**View and delete buttons too close together. Use confirmation and/or long press for delete?**

- We're going to add a confirmation to the delete buttons as well as make sure they are on different sides of the page as submit and make them different colors so it's hard to make a mistake.

**What is a plume height and height on a lava flow?:**

- This was something we were wondering about at the beginning as well, we are now going to show an example of each as well as make the forms all ranges and dropdowns so the data will be in a specified range.

**What is the admin side aggregated data going to look like?**

- Not much, a download button and after a certain amount of time after being downloaded as CSV data will be deleted

## **Design Changes:**

**View and delete buttons too close together. Use confirmation and/or long press for delete?**

- These are changes we will add once we start developing
- We'll make the buttons different colors as well as add confirmation for deletes

**Provide examples of common plume heights**

- We're going to add an example of plume height with help from the scientist

### **What does height of the lava flow mean?**

- We're going to make examples of lava flows as well as plumes with help from scientist

### **Slider for plume height? differentiate between height/width for lava flows**

- The forms are going to be mostly ranges/sliders as well as dropdowns to make it easy for users to select, as well as make sure our data is somewhat accurate.

### **Add Explosions Form**

- We're adding an explosions form as a separate form to make it easy

### **Miscellaneous Form**

- Adding a form to allow users to add forms and notes and not necessarily add any forms this will hopefully encourage people to use the app