

Team 1

The Frog Finders

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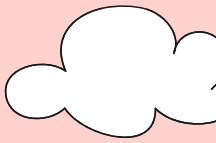
Brief Description

The app allows for the documenting of sightings of herptiles (amphibians and reptiles) in Michigan. The app is meant to allow users to do this while offline or in remote locations. The user will be able to track information such as what type of herptile they found, the number of herptiles there, and a picture of their sighting. The location and time of the sighting should be pulled directly from the phone's information.

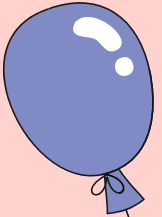
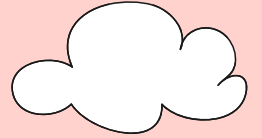
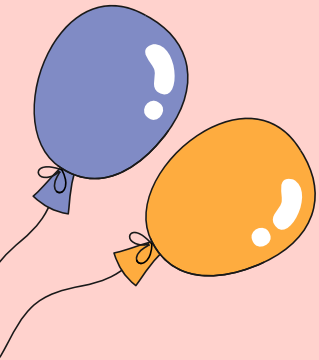


Users

- Citizen Scientists
 - People of any age interested in herptiles
- Scientists and Researchers
 - People interested in the movement and occurrence of herptiles
- High School/Middle School Teachers and Students
 - Used for class activities
- Conservation Organizations
 - People interested in protecting herptiles in the area



Demonstration



Usability Concerns

- Range of age in users
 - We are concerned about creating UI that will be easy for everyone
- Uploading to the remote database
 - The clients use a WordPress database so we are unable to connect to it
- May not work correctly for tablets
 - Some users may want to use tablets but we are unsure about how that will affect the UI
- Not usable by people with iphones
 - No support for iOS



Finished Aspects

- Local database
- Homescreen
- Help Page
- User able to input text or select from a drop down to fill out the form for their observation
- Hyperlink to MI Herps website for identification
- Selecting the date via calendar
- Recycler view for records

To Be Finished

- Displaying records from database
- User selection of location via map
 - Autofill of longitude and latitude
- Autofill of current time
- Range and section dropdowns
- Uploading image to form
- Start new form and save form button