

# backyard berry

Team 2: The Berry Bunch

02/11/20

# User Scenarios

## Unregistered Guest User:

1. Access to a map of available patches, a berry identification section, information on the fruit fly, a harvest form, and cultural uses of berries.

## Registered User:

1. Access to a profile page
  - a. Access to past logs/records of harvests
  - b. Private Locations.
2. Data sharing
  - a. “public” (for all eyes)
  - b. “private” (for their eyes and the scientist’s eyes).
3. Access to map of available patches, a berry identification section, information on the fruit fly, a harvest form, and cultural uses of berries.

Scenario:

**Guest User**

# Application Users & Environment

## Users

- Foragers
- Scientists
- Tourists
- Residents in the Great Lakes Region

## Environments

On a laptop or phone

- at home, in a vehicle, in the woods
- Before or after a harvest
- Before or after looking for berries
- looking for a berry patch
- logging a berry patch

Example:

On your phone, in a vehicle headed back from a berry patch logging berries.

# Prototype Demo





backyard berry

**SIGN UP**

**LOGIN**

[CONTINUE AS GUEST](#)

**SIGN UP**

**LOGIN**

[CONTINUE AS GUEST](#)

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NEXT >



#### **My Profile.**

This is where you can access past harvests and patches.



#### **Map.**

This is where a map of berry picking spots will be available.



#### **Add new harvest.**

This is where you can log new harvests.



#### **Resources.**

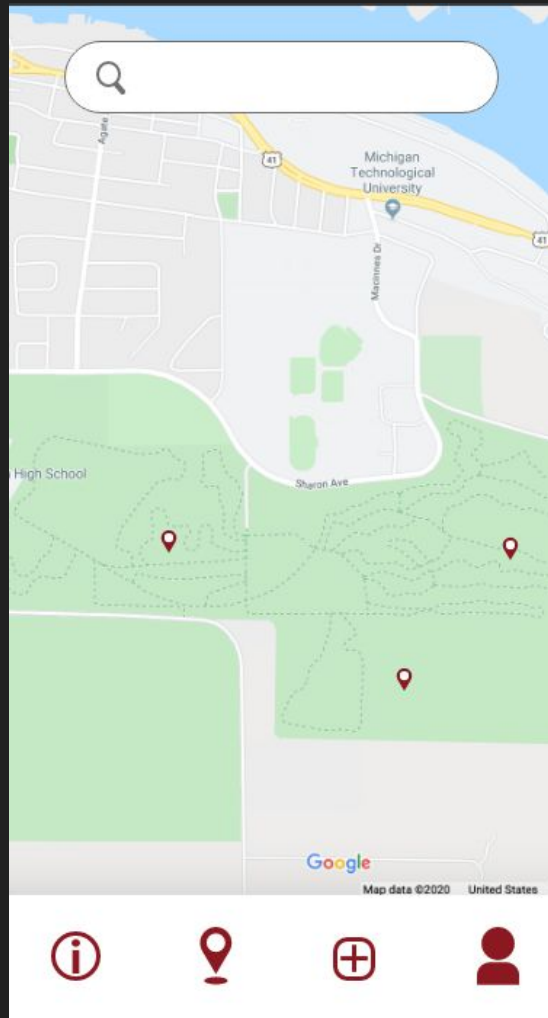
This is where you'll be able to find more information.



#### **Home.**

This is where you can find this information.

NEXT >



**Common Berries**

**Fruit Fly Basics**

**At-Home Experiment**

**About Us**



### **Quick Survey**

This survey is only about harvest information: type, location, amount, and date collected.

### **Full Survey**

This survey has the same questions as the Quick Survey, but also asks about Cultural Uses. If you have time, please fill out this survey.

### **Demographic Survey**

This survey will include questions about race, gender, and age.



**JANE DOE**

**MY PROFILE**

**PRIVATE PATCHES**

**CULTURAL USES**

**BERRIES LOGGED**





## Quick Survey

**Location?**

EX: 123 MAPLE ST.

**Type?**

SELECT



**Date?**

SELECT



**Regular?**

SELECT



**DONE**

## Demographic Survey

**Location?**

EX: 123 MAPLE ST.

**Age?**

SELECT



**Gender?**

SELECT



**Race?**

SELECT



**DONE**

## Full Survey

Location?

EX: 123 MAPLE ST.

Type?

SELECT



Date?

SELECT



Regular?

SELECT



**DONE**

# THANK YOU!

We appreciate you  
taking time out of your  
day to log your harvests.

Happy picking!

[Return to Map >](#)

## At-Home Experiment

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## Fruit Fly Basics

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## About Us



**Angie Carter** *Social Science*  
Angie Carter is a rural sociologist working at Michigan Tech University's Department of Social Sciences as an assistant professor of Environmental and Energy Justice. She studies local food systems, community sustainability, and social change. You can contact her at [ancarter@mtu.edu](mailto:ancarter@mtu.edu) or (906) 487-1431 (office).



**Tara Bal** *Forestry*  
Tara Bal is a forest entomologist and mycologist at Michigan Tech University's College of Forest Resources and Environmental Science. She studies forest health issues and teaches a wide variety of coursework from professional forestry and insect ecology to wild foods and maple syrup. You can reach her at [tbal@mtu.edu](mailto:tbal@mtu.edu) or (906) 487-1898.



**Erika Hersch-Green** *Biology*  
Erika Hersch-Green is a plant ecologist and geneticist working at Michigan Tech University's Department of Biological Sciences as an assistant professor. She is interested in understanding what factors affect biodiversity patterns and her research examines how living and non-living components of environments impact organisms, populations, and community dynamics. You can contact her at [eherschg@mtu.edu](mailto:eherschg@mtu.edu) or (906) 487-3351 (office).



## Common Berries



**Blueberry** *latinus namus*  
Small description of berry goes here.



**Raspberry** *latinus namus*  
Small description of berry goes here.



**Thimbleberry** *latinus namus*  
Small description of berry goes here.



**Blueberry** *latinus namus*  
Small description of berry goes here.



**Raspberry** *latinus namus*  
Small description of berry goes here.



**Thimbleberry** *latinus namus*  
Small description of berry goes here.



**Blueberry** *latinus namus*  
Small description of berry goes here.

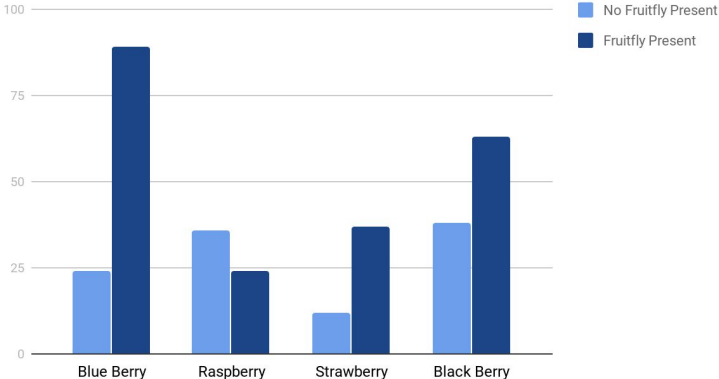


# Scientist View

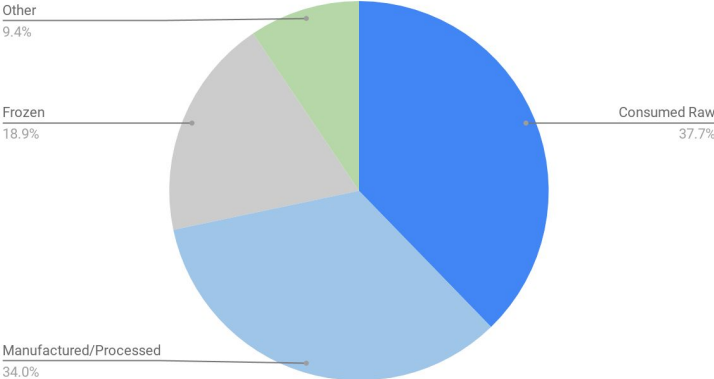


Home      Download Data      Log Out

Number of Harvests with and without Fruitfly Larva



Cultural Uses



# Goals & Concerns

## Goals

1. Simple user-friendly interface
2. User-test with users outside of our generation
3. Create easy-to-understand Scientist Materials

## Concerns

1. Navigation
  - a. Are the icons clear enough?
    - i. Do they communicate what they need to?
  - b. Should there be a home button?
  - c. User profile?
2. Motivation
  - a. Get the word out and recruit users
  - b. Create a desire to use the app
3. Usability
  - a. Is it user-friendly?
  - b. Are instructions clear and where they need to be?
  - c. Will text be readable?
4. Feasibility
  - a. Is the project too complicated for the time frame?

# Preliminary Instructional & Other Content

- First-time user informational content
  - App overview
  - Icon descriptions
  - Map use description
- Berry information
  - Common names
  - Pictures
  - Identifying features
- At-home fruit-fly larvae test
- “About Us” page
  - Background information on the scientists

QUESTIONS?