# Scientists Meeting (1/23)

# Timestamp: Thursday January 23, 2020

Location: Academic Office Building room 203

Berry Bunch attendee’s: Piper Schlaeppi, Rebekah Craft, Dawson McKenzie, Jayleen Rossie, J.C. Helm

Scientists:

Tara Bal: Forestry, Lifecycle

Erika Hersch-Green: Biology, plant growth and tracking

Angie Carter: Social Sciences, assistance of environmental law

 Looking for how sharing information works as a research idea

Tasks:

* Discuss overall concept development for the app
* Clarify scientists wants and expectations out of the app
* Gather information on the subject at hand, and the surrounding topics that should be incorporated into the app’s development

# Scientists Summary:

Handed out “Backyard Berry App Summary” packet

* + In depth explanation of the project and what they expect out of it
	+ Detailed ideas for form, content, and usage
	+ Will be shared with Piper later, will need to be put into the shared drive.

# Project Background:

* Washington D.C. Trip 2 years ago
	+ Suggested combination of sociology, plants, and such
	+ (SWD, *Drosophila suzukii)* Fruit Flies came into the region approximately 10 years ago
		- Lives inside most berries (widespread in region)
		- Plants itself in pre-ripe phase
			* Mother cuts into berry and plants eggs during this phase
			* Different from most fruit flies as most fruit flies come *after* the fruit overripe.
		- Accelerates ripening of berries
			* Economically hurting agriculture due to shorter shelf life and growing season
			* Impacts wildlife food source due to lower lifespan
	+ Thought of the application as a way to get an idea of what people are picking
		- Lack of data on local food sources
			* Essentially no baseline data
			* No local berry picking information (**PRIMARY**). Picking for fun, work, etc.? Distance travelled, how long spent picking, etc.
		- Wanted to try to get data from all different types of people
			* Harvesting / Seeing
			* Locals/Tourists
		- Identification knowledge of berries
		- What do people do with said berries?
			* How this contributes economically via bartering, local sales, etc..
			* Cultural impact on abundance of berries and/or lack of.
* Grant Considerations
	+ Not our primary goal
	+ Extended goal of information
* Gained previous information from locals with groups / jam makers
	+ Common berry names

## Our Initial Questions:

* Do you have a name for your app?
	+ While they all enjoy the “Backyard Berry,” they are willing to adjust the name to our suggestions
		- Keep in mind that they already have Jess Brassard designing a logo, so changing the name after a logo is designed could be an issue if the scientists don’t really want it changed to begin with.
* How set in stone is the wording?
	+ Not super well, still rather technical. Goal is to be made more user friendly and comprehensible. The user audience isn’t limited to scientists, but also open to tourists and locals.
* How best to represent the users profile, in relation to location
	+ Discussed issue of public / private information exposure
	+ Even though the profile can be private, the scientists would still like to obtain their data. The data will get sent directly to the scientists regardless of a published set of info or just personal
* Scoping of geographical area?
	+ **NOT** Street address level
	+ Western MI, Upper Wisconison, Over to Marquette
		- Probably not too the bridge
	+ Will discuss implementation with at CS meeting, which can help us figure out regional area.
* Can revise provided documentation with cooperation?
	+ Yes
* What do we expect from the next meeting:
	+ Review provided documentations
		- Offer insights
	+ Asked scientists to come up with a detailed list of what berries they expect in the app, and some general information about them
* Testing for fruit flies
	+ Checkbox for present or absent
		- Reconsider phrasing, too ecologist sounding
	+ Notes about contact info if they want to share it anyways or contact information
* Personal Accounts
	+ Public/Private:
		- What all should be private / public
		- Only used for demographic information, data collection, and behavior
	+ Anonymous:
		- No general user profile, this is a basic function to still use the app even if the account is not wanted. This is just more for commercial demographic and behavior - is there a way to track this information also?
		- Can view all public data
		- Designed for more tourist type
* What kind of functions do you absolutely want on the app?
	+ Harvesting- is it mostly occurring during harvest season?
	+ Time elapsed- how long does each user generally spend picking?
	+ Quantity of: people, picking, use, etc.
	+ Distance travelled by each user
	+ Berry identifier
	+ Pests- tips, description, importance, how to prevent/kill
* How would you prefer the broad vs direct info separated? Ex. berries and location vs insects and data
	+ Design wise, this is mainly for us to figure out. They just want the data organized well
* Do you want the user to upload at-home testing?
	+ Though it will not always be accurate, they want the data uploaded by the user as best they can.
	+ Keep in mind: Time, type, presence/absence
* What do you mean by cultural use of berries?
	+ Economically- impact on markets, trade (used as currency)
	+ Impact on animal food source

## Their questions:

* Naming of the App “Backyard Berry”
	+ Open to rebranding of app
	+ Logo of the App possibly in creation by another person
		- Erika getting back to us with that
		- Designed by Jess Brassard

## Suggest App Requirements:

* Harvest form
* How did you obtain the berries
	+ Family, Solo, Date, etc.
* User Accounts
* Page with “Berry Key” (generated from local jam shops)
	+ Provided
* Page with fruit fly testing information
	+ Provided larvae tet
* Maps
	+ Baseline simplicity
* Language of the application:
	+ Be open to everyone including tourists, not just locals
* Biography Page
	+ Scientist Page w/ contact information
	+ Angie suggested developers page as well
* Color Scheme
	+ Want it to be relative to the local berries but don’t want the app to be ‘dark” as many of the local berries are dark.

## Provided Documentation:

* Shared via GDrive to Piper
	+ Testing for flies
		- The fly is rather unique looking in the berries
		- Any other parasites are very different looking

## Other:

* Noted they are open to revisions
* Sample Data:
	+ Getting provided by them
* Most Berry production is in the fall

## Their TODO:

* Erika getting back to us with logo
	+ Possibly color scheme
* Tara writing documentation on some more basic info and knowledge about the fruit fly
* Get a set of sample data
	+ You pick farm
	+ Tech trails