

Project proposal

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Title: Lopez Urban Farm digital interactive map

Executive Summary

Lopez Urban Farm wants visitors to be able to explore the farm and experience it at their own accord, but it may be a bit confusing for the visitor to know where to start. We will make an interactive map that the visitor can use to get information about different areas around the farm. The visitor will be able to scan a QR code near the entrance for the farm for easy access to the map.

Background

Lopez Urban Farm is a farm open to the public, they grow and sell fresh produce to anyone and use the motto “Take what you need, Pay what you can”. Their mission is to “ensure access to locally grown food, foster education and community engagement, and cultivate green spaces open to all.” Lisa Christie, a director of the farm, told us that they have had a problem with being able to provide information and assistance to visitors due to the limited volunteer staff. She wants visitors to be able to have a sort of guide/ aid to help them traverse the farm, and to prevent the awkwardness of wondering where to start that new visitors might experience.

Solution

We will create an interactive digital map of the farm, that can be accessed via QR code at the entrance, which will provide the visitor with information of the farm such as what crops are grown where and a general layout of the farm. The map can then be updated by an owner as crops are rotated or added. This map will make it easier for a new visitor to explore the farm and get information about certain parts of it.

Deliverables and Goals

1. Make an digital map UI of the farm(using Google maps API or making our own)
2. Implementation of storing information(crops), and implementing an “add” function for the crops.
3. (possible additions): a search bar for the user to look up crops, authentication so only the owner can edit, and current location so the user can see where they are on the farm in correspondence with the map.

Conclusion

We will make an interactive digital map for Lopez Urban Farm so that visitors can easily access information and have hassle free time visiting and exploring the farm.