



Channel Islands
CALIFORNIA STATE UNIVERSITY

DirectBiz

Sarah Hassan • Dr. Michael Soltys • COMP 499

Introduction

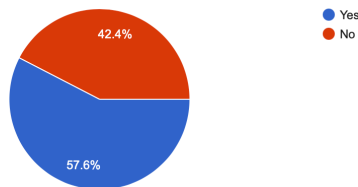
My goal is to build products in order to provide a solution. **DirectBiz** is one of those products that solves a solution we didn't know we needed. Until now.

DirectBiz is an iOS application that acts as a Small Business Directory. This allows a user to discover and support multiple small businesses or creators that are trying to market their business outside of e-commerce platforms due to avoiding fees. Social Media is a powerful tool in order to discover and/or promote small businesses. So why not create a platform that makes the discovery easier on the user while also being beneficiary to the business?

Research Analysis

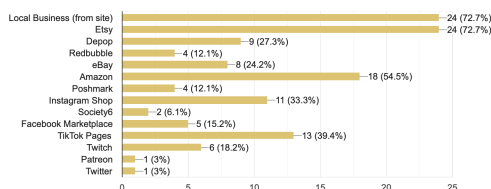
Do you have trouble discovering new small businesses to support?

33 responses

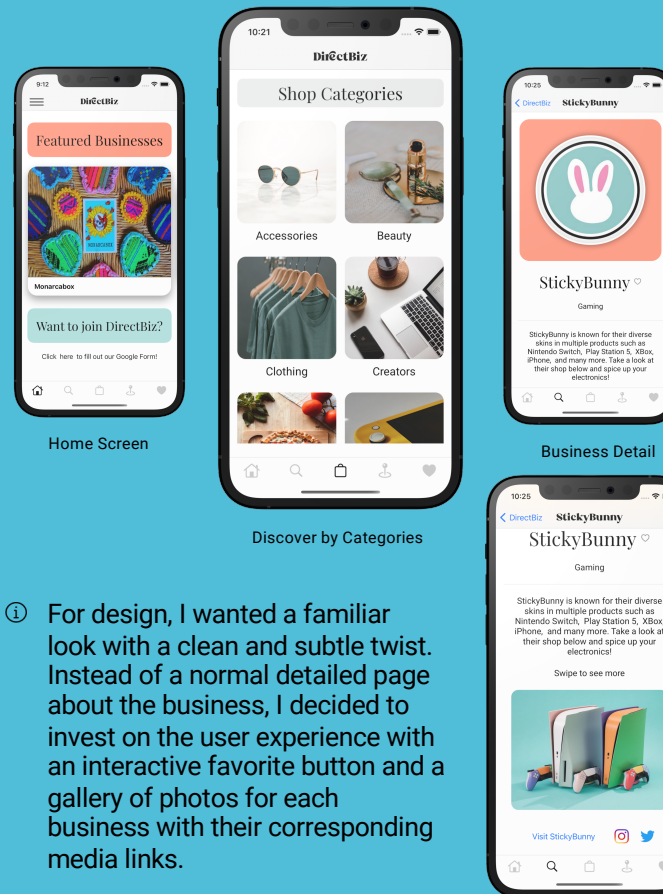


How do you support small businesses/creators? (Check all that may apply)

33 responses



Design



- ① For design, I wanted a familiar look with a clean and subtle twist. Instead of a normal detailed page about the business, I decided to invest on the user experience with an interactive favorite button and a gallery of photos for each business with their corresponding media links.

Technology + Language

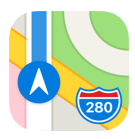
I decided to learn Swift and the SwiftUI lifecycle due to it being popularly used, and I wanted to challenge myself by having the knowledge of Android and Swift in my pocket.



Xcode



Swift + SwiftUI



MapKit

Obstacles

Some obstacles I encountered was utilizing Firebase in order to read data. I was able to successfully connect my application to Firebase and install cocoa pods however, I had trouble reading from the database due to the new Swift lifecycle. I was able to create a Google Sign In as well but couldn't incorporate it due to not fully implementing Firebase. Although I did not have prior experience with databases, I was able to learn a lot from this experience and I plan on implementing this in the future. Currently, all the data is being read through a JSON file which was a new learning curve as well.

Acknowledgements

I wanted to acknowledge all my Professors at CSUCI. Thank you for this valuable experience. Thank you Dr. Soltys for allowing me to proceed with my idea and the valuable courses you taught throughout the department.

Flow Chart

