# Annotated Bibliography

Blanes, Pau. "How to Display a Map and Track the User's Location in SwiftUI." Medium, June 3, 2023.

https://medium.com/@pblanesp/how-to-display-a-map-and-track-the-users-location-in-swiftui-7d288cdb747e.

> The website explains how to add the ability to track and map out the users location. This website specifically addresses how to do this on swift software which is the language my app will be. It thoroughly explains and gives examples of the step by step process to successfully implement this task. I find it really helpful that there are many images along with the steps and the author chose to include many outcomes to accommodate for all users. In order to make my app completely functional I will need many sources that explain how to implement these complex ideas. Including this step in my app is crucial for the app to be effective and life saving.

Brouhard, Rod. "Basic First Aid You Should Know." Verywell Health, December 29, 2023.

https://www.verywellhealth.com/basic-first-aid-procedures-1298578.

> This website describes 10 common medical emergencies and how to handle them as a bystander. The most recommended tip is to perform the ABC's, which is an acronym for Airway, Breathing and circulation to determine the extent of the injury. It gives first aid examples for what to do if you find someone in cardiac arrest, bleeding, choking, burning, stung, broken bones, and blisters. Starting with the ABC's then following up with treatment based on their condition is extremely important while waiting for EMS to arrive. It could be the difference between life and death and that's why these tips and

treatments will be included in my app. I want my user to be able to find this information if they find themselves in need of using one of these practices. The information on this website is very reputable and the same across many other sources.

Curtis, Steven. "Create a Telephone Call in Swiftui." Medium, October 30, 2023. https://stevenpcurtis.medium.com/create-a-telephone-call-in-swiftui-e8c07fd0e03e.

This website has many tips and step by steps on how to work with SwiftUI. It's written by Steven Curtis and it's constantly being updated so the information is accurate. This page focuses on how to make a phone call in your app. This is one of the main features of our app so knowing how to implement it without bugs is important. I need the call to 911 or emergency services to not have any flaws or issues. It has step by step and images with examples and most importantly it tells me what code goes where. It is very easy to get lost in your code but this makes it much easier.

"Hands-Only CPR." cpr.heart.org. Accessed January 23, 2024. https://cpr.heart.org/en/cpr-courses-and-kits/hands-only-cpr.

I chose this source because it not only explains CPR but it also gives many resources to learning how to do CPR. I will use this in my app to provide additional resources to my user. This website is also useful because there are hands-on simulations that the user could watch to get a better understanding of the placement needed for CPR. There are videos for females and males and they can be accessed in English, Spanish and Mandarin. This site is one of the easier ones to understand in an emergency because of how simple and concise it is. By performing two simple steps: calling 911 and pushing hard and fast, you can save someone's life.

Heimlich, Henry J. "A Life-Saving Maneuver to Prevent Food-Choking." JAMA, October 27,

1975. https://jamanetwork.com/journals/jama/article-abstract/341640.

> My app's goal is to not only focus on situations where CPR is needed, rather we want to
>
> try and help in any medical situation. So, providing information on how to do the
>
> Heimlich procedure will be helpful especially if it involves an infant. Food choking is the
>
> 6th leading cause of death and is often misdiagnosed for Myocardial Infarction. There is
>
> a simple maneuver that can stop this and it would be performed if people knew the
>
> symptoms to look for. Some of the symptoms include inability to speak or breathe, are
>
> extremely pale, usually the victim collapses, becomes cyanotic and dies very quickly. Its
>
> scary how fast this can happen and most people don't react in enough time so this will be
>
> an important addition to my app.

"How to Perform Child & Baby First Aid." Red Cross. Accessed January 23, 2024.

https://www.redcross.org/take-a-class/first-aid/performing-first-aid/child-baby-first-aid.

> The American Red Cross has put out step by step what to do in an emergency for
>
> children. This is helpful because the information is reliable, up to date, and has different
>
> procedures compared to adults. The immediate responses are the same as an adult, check
>
> for danger then check patient responsiveness and from there the treatment differs.
>
> Everyone should use the shout-tap-shout method to check for responsiveness and the
>
> different areas to tap depend on age. An infant should be tapped on the foot while a child
>
> should be tapped on the shoulder. Following that CPR would be administered by you or
>
> a trained professional and the website makes it clear that there should be 30 compressions

for every 2 rescue breaths. That is an important ratio to remember and is concise across many websites.

Plant, Nina, and Katherine Taylor. "How Best to Teach CPR to Schoolchildren: A Systematic Review." Resuscitation, December 11, 2012. https://www.sciencedirect.com/science/article/abs/pii/S0300957212009434.

> This journal talks about the importance of training school aged children in CPR. The journal pulled from thousands of other articles and studies to piece together the information they have. Most people would think that school aged children would not be able to perform life saving measures but the journal argues that it's better than nothing and that older children perform CPR very successfully while younger children are successful using AEDs. It also highlights the importance of continuing to practice CPR so that the children and anyone can retain the steps. This article will influence my app in that I won't censor kids from using the app. I want all ages to be able to see the steps to emergency responses if necessary.

"Play Video with AVPlayer." SwiftUI Handbook - Design+Code. Accessed January 24, 2024. https://designcode.io/swiftui-handbook-play-video-with-avplayer.

> This resource is from Design+Code which provides many examples of how to do things in the SwiftUI program. This section explains how to add the ability to play videos to your app. This will be helpful because I want to add hands-on videos of emergency procedures being done into my app. I chose this source compared to others because it is extremely detailed and has many outcomes explained as well. This will be useful for me

because I am very new to this coding language. This source was recently updated and adapts there steps to fit the new updates so I should be able to follow along fairly easily.

Swor , Robert, Iftikhar Khan , Robert Domeier , Linda Honeycutt , Kevin Chu , and Scott Compton. "CPR Training and CPR Performance: DO CPR ." Wiley online library, June 28, 2008. https://onlinelibrary.wiley.com/doi/abs/10.1197/j.aem.2005.12.021.

This journal provides insight about the need for CPR training for bystanders. It highlights the percentages of people who are CPR certified versus the percentage of people who actually performed CPR in an emergency. They explain that the difference in percentages is due to people's lack of confidence in themselves and the thought that they will somehow make matters worse. I find these statistics to be troubling because we aren't attempting to save as many people as we could be. These statistics are the reason I want to make this app accessible to as many people as possible. I want bystanders to perform CPR in an emergency if they know how.

With the 2010 CPR guidelines push hard push fast - www.lifesavingsociety.com. Accessed January 23, 2024.

http://ww.lifesavingsociety.com/media/100282/98pushhardpushfastinsert2011.pdf.

This source is based on the 2010 CPR guidelines and outlines the difference in giving CPR to an adult vs a child or infant. This source is extremely helpful because it has images with real people replicating the motions needed in specific emergencies such as cardiac arrest, choking, and drowning. On the last page of the pdf there is a chart that explains how these steps will be applied to the person. The chart included info like how

many compressions per minute, amount of rescue breaths per minute, depth of chest compressions and compression method. An important thing to highlight and will be highlighted in our app is that an infant only needs two fingers for CPR whereas a child needs a hand and an adult two hands on top of one another. To a bystander these differences might seem small and easy to forget so making sure to clarify these things in our app is essential.