



School of Computing and Information Sciences

Fall 2021 Capstone I Project

Freedom Fi

Capstone II Students: <George Morera, Leopoldo Rios, Carlos Sautie, Maheer Ahmed, Osniel Oliva Jr.>

Capstone I Students: <Bryan Simmons, Adriana Beltran, Gaby Perez, Javier Oliva>

Mentor: Augusto Monge, Product Owner

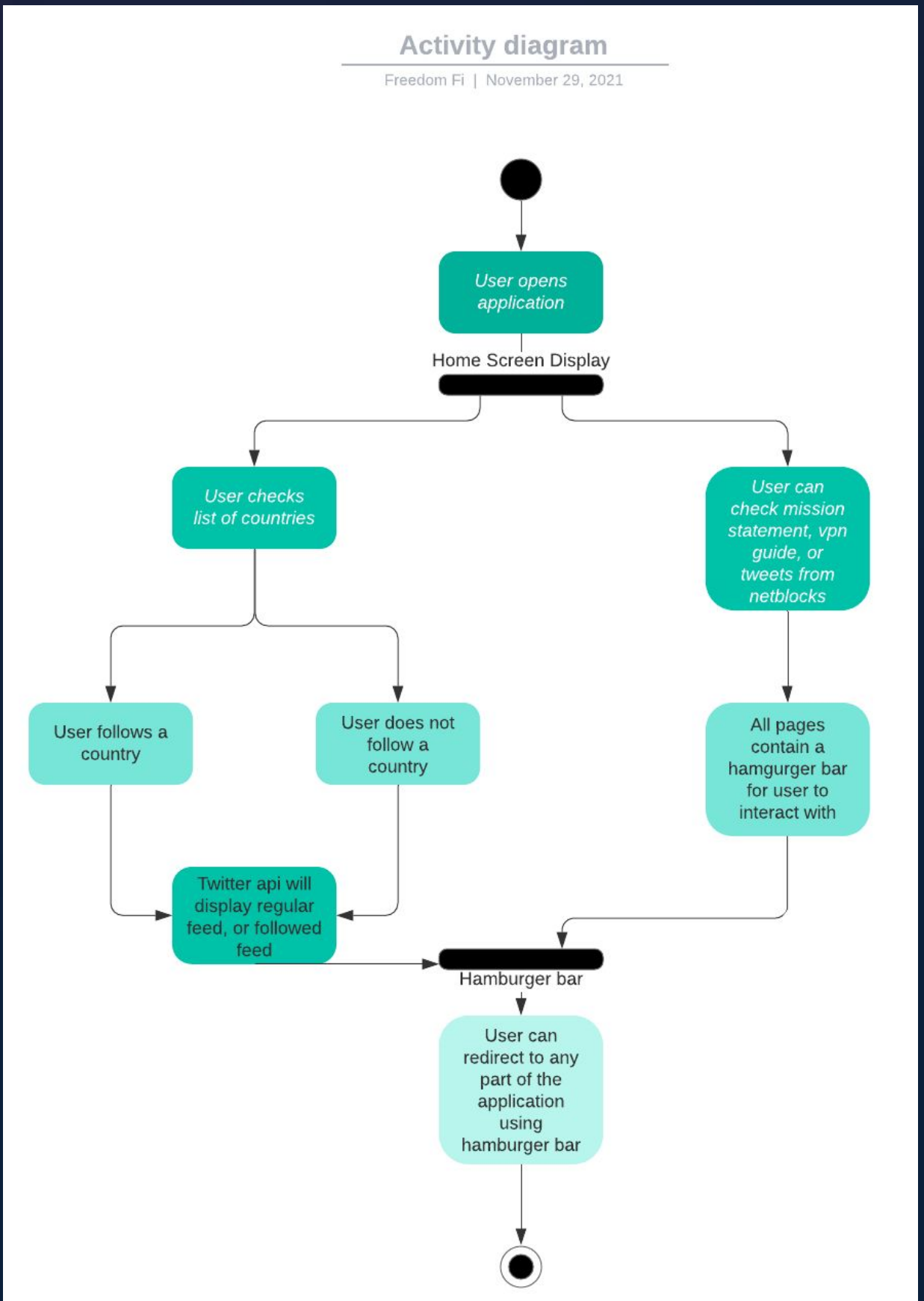
Instructor/Faculty: Dr Masoud Sadjadi, Florida International University



PROBLEM

The main problem that freedom fi tries to solve is to allow users that have limited access to internet the freedom to browse whatever they want to securely and without restriction. Some governments and countries have restricted their citizens internet access, and Freedom Fi aims to provide information about which countries have limited access, and ways to counteract that restriction.

SYSTEM DESIGN



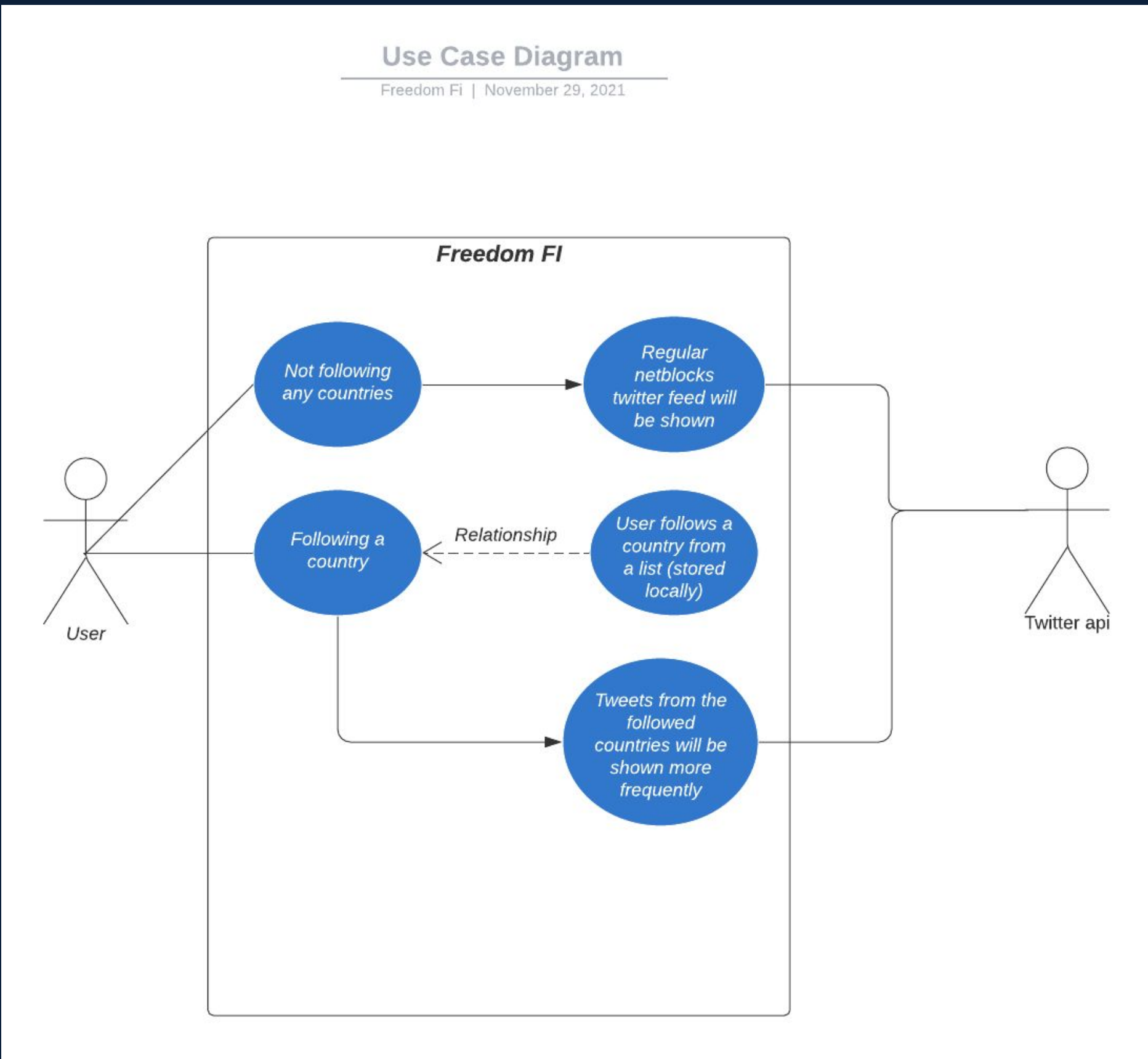
VERIFICATION

The app was tested by using visual studio codes built-in emulator display and website application testing features to ensure the application would run. All the code is available under the Freedom Fi organization on GitHub

CURRENT SYSTEM

The current system of the project currently calls an api to twitter to display tweets from Netblocks twitter account, and netblocks is where we will be getting the main source of information, as its main goal is to show users what countries have limited access and how limited their access is. Aside from that we have a list of countries that the user can follow, which would show more frequently updates from their followed countries.

OBJECT DESIGN



SUMMARY

The biggest requirement was to get the netblocks tweets to display, which was completed successfully, after which we had to create a list of countries that the user could select from, and that was also completed.

REQUIREMENTS

The goal for this semester of Freedom Fi was to create the application from scratch with support for both mobile and website use. The main goal was to implement twitter api calls to display netblocks tweets, as they are the main source of information from the application, and allow users to choose from a list of countries which to follow (stored locally, not in a database)

IMPLEMENTATION



REFERENCES

Netblocks.org:
NetBlocks. (2018, January 10).
News Archives. Retrieved
November 28, 2021, from
<https://netblocks.org/news>

ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by Augusto Monge. We/I thank Augusto Monge for his assistance and mentorship that I/we received throughout the senior design project.