



School of Computing and Information Sciences

Fall 2021 Capstone II Project

Freedom Fi

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PROBLEM

Internet Censorship has been more and more pervasive in countries all over the world. In 2016 the United Nations resolution, article 19 declared Internet access to be a human right. This Project aims to give people all over the world information and ways to combat internet censorship in their own countries. This Project Recognizes that undemocratic Nations are actively blocking, censoring and disconnecting the internet to control, intimidate and censor. This is Wrong

CURRENT SYSTEM

The Current System is in the first iteration. This is the first semester that the project has been worked on. This includes:

1. Main page that contains our mission statement, a simple VPN guide and the list of features yet to be implemented.
2. Status Page where a user can select their country and see information on free press and internet censorship based on Freedom House, OpenNet Initiative, and Reporters Without Borders.
3. News Page that shows the recent internet censorship reports from Netblocks. This page uses the twitter API to receive the information from netblocks because they do not currently have a working API

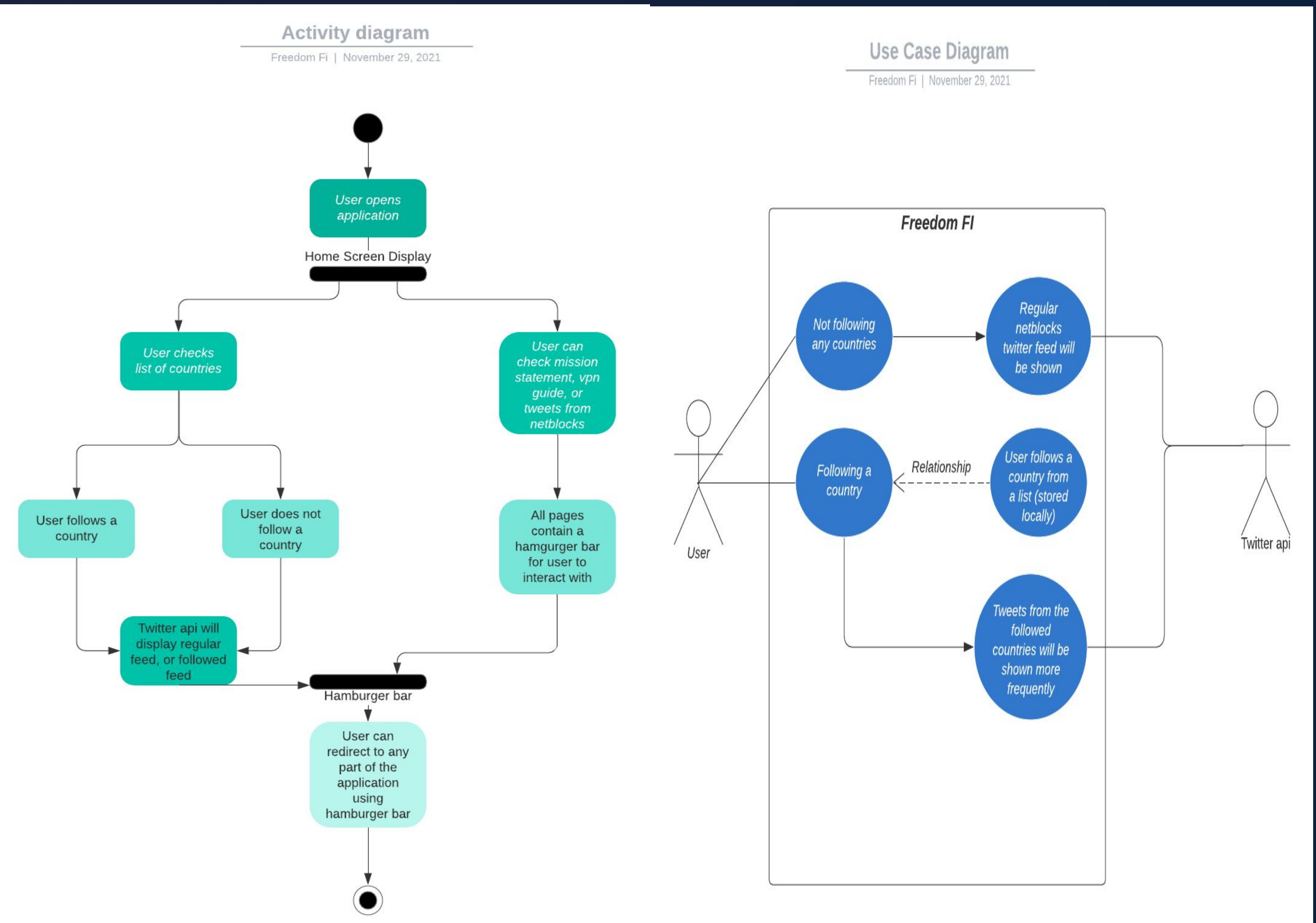
REQUIREMENTS

The Requirements that were assigned the team are as follows: Create an app from scratch that implements the following:

1. Reports from Netblocks
2. Countermeasures with OpenAI
3. General Information

2 Out of the 3 goals for the app have been fulfilled, The countermeasures using OpenAI have yet to be implemented since the team does not yet have access to OpenAI, and the main priorities for the semester were based on educating users on the problem, and giving them information. The App can be improved by adding more information and news, and improving UI design.

SYSTEM AND OBJECT DESIGN



IMPLEMENTATION



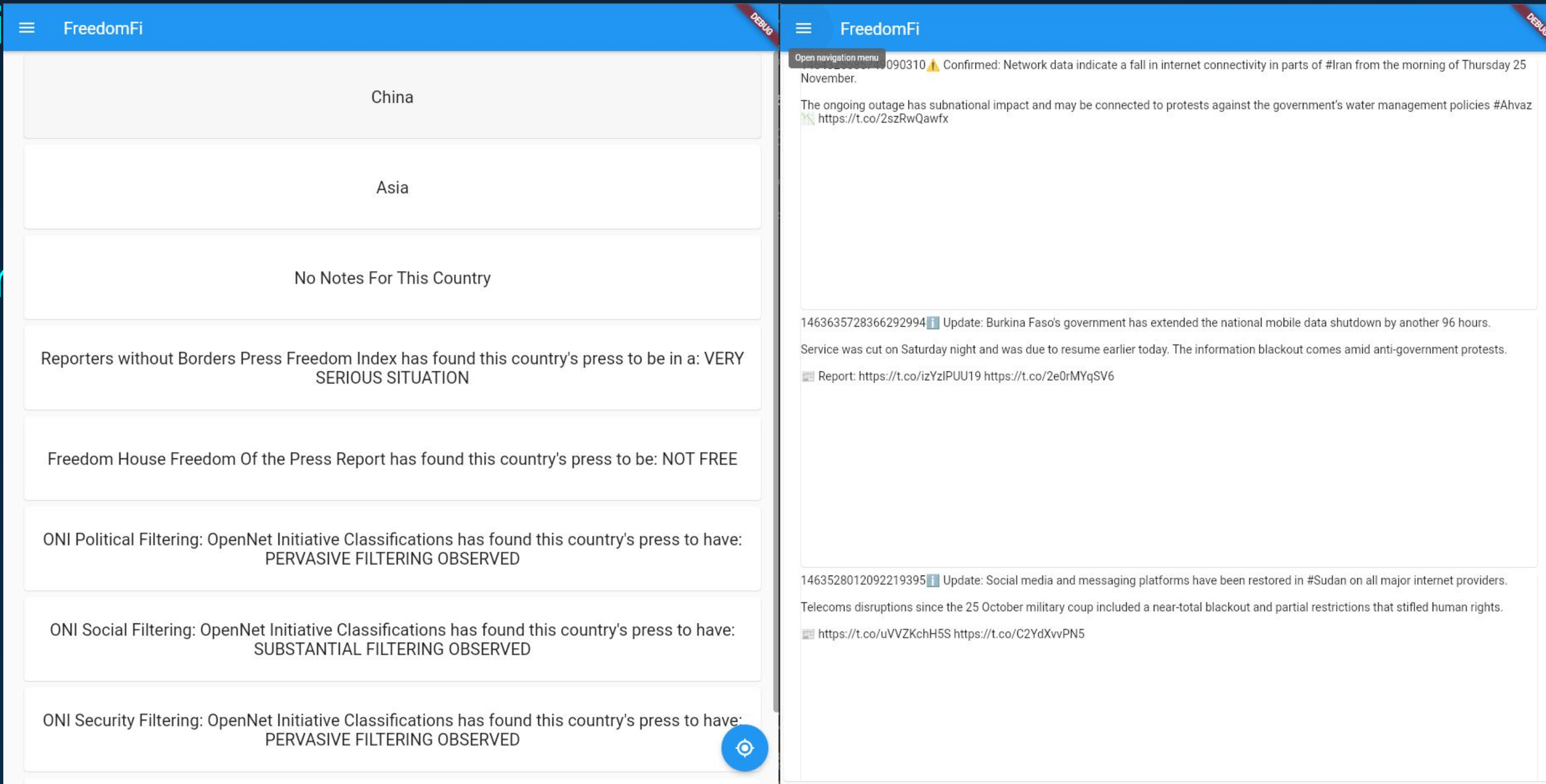
VERIFICATION

The App was written and tested in visual studio code, using the flutter google chrome debugger. All Code can be found at <https://github.com/Freedom-Fi/FreedomFi>

SUMMARY

For the first iteration of the app, a lot was accomplished this semester. Building an app from scratch was not easy and a big effort was making the layout and structure using a new language. 3 Pages were created that give the user more information and these pages can be fleshed out and improved in future iterations. The countermeasures page can also be added in the future when the team gets access to OpenAI

SCREENSHOTS



REFERENCES

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

Data From censorship reports were obtained from the following organizations: Freedom House, OpenNet Initiative, and Reporters Without Borders.

ACKNOWLEDGEMENT

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