

Research Project

PROG1024 – Advanced Web Topics

Rules

- The topic must be approved by the instructor before work begins.
- The discussion of the topic, demo and practice exercise should take at minimum 1.75 hours to a maximum of 2 hours to complete. Both team members must fully participate.
- If the class has an uneven number someone will be working alone, and then the period for that person will be 1-hour minimum.
- You will need:
 - Powerpoint (or powerpoint alternative) presentation
 - A demo that you will walk the class through so they see how it works. Something that the class can follow along with you would work best.
 - An assignment/activity where you will assist as needed. A solution must be provided at the end of the presentation. If time permits, it may be a good idea to go through the assignment/activity together with the class.
- The research project **MUST** appear featured in your portfolio
- I will schedule an appropriate time for your presentation.
- The topic that you choose must be big enough for two people to learn and present it with a demo and practice exercise that the class will be guided through.
- You must know your topic well enough to teach back to your peers, and answer any questions about your topic from the instructor and/or peers.

Topic Suggestions

- Node.js
- Docker
- Kubernetes
- Python
- Golang
- Rust
- Kotlin
- Matlab
- R
- Web Assembly
- CSS Preprocessors – (Only one team can do this)
- Something else of your choosing, but it must be something that you have not done/learned before and it **MUST** be approved by me first.