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Personal Specialization Project

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# Introduction

During this project I will be working on a topic that I have chosen due to we have the freedom to choose whatever we want as long as it is connected to Cyber Security. I chose to work on two topics. First of them is to create a malware script that allows me to execute commands on a victim’s computer. The second topic is to create a password manager. This will be an app that will store all your passwords and will keep them safe. I think both ideas are quite interesting and I think I have enough time to research and develop the topics.

# Research Questions

Main Question:

How to create malware script to infiltrate a victim’s computer?

Sub questions:

1. Which programming language is the best for malware and why?
2. How to establish connection between server and client?
3. What things I want to execute in victim’s computer?

Main Question:

How to create a valid password manager?

Sub questions:

1. Which programming language is the best for password manager and why?
2. How to keep the passwords safe?
3. What previous knowledge should I have to create a valid password manager?

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| Research Questions | Strategies | Methods |
| Which programming language is the best for malware and why? | Library, Field | Literature study, Community research, Problem analysis |
| How to establish connection between server and client? | Library, Field | Literature study, Community research, Problem analysis |
| What things I want to execute in victim’s computer | Library, Field, Lab | Literature study, Community research, Problem analysis, Security test |
| Which programming language is the best for password manager and why? |  |  |
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# Planning

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| Sprint1- Researching | 16.05.2023-30.05.2023 |
| Sprint2- Technical exercise | 30.05.2023-17.06.2023 |