



Assignment of master's thesis

Title:	Design of Commercial Bug Bounty Program
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Supervisor:	Ing. David Knap
Study program:	Informatics
Branch / specialization:	Computer Security
Department:	Department of Information Security
Validity:	until the end of summer semester 2021/2022

Instructions

The goal of the thesis is to explore available solutions for Bug Bounty programs, and propose high-level design for a new Bug Bounty platform aimed for commercial B2B usage.

1. Discuss history and usage of bug bounty program as a cybersecurity measure and compare various approaches available. Compare bug bounty to other similar measures like penetration testing.
2. Explore available backend systems and platforms for bug bounty. For at least three different, experiment with them (if possible) and/or discuss the experience of their current users.
3. For potential users of your solution, discuss their needs and requirements, as well as limitations they face with solutions already available on the market.
4. Based on the knowledge gained, propose a high-level design of a bug bounty platform used for B2B and closed campaigns.