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| Agreement on Objectives  Android App Security from a Developer’s Perspective  **Marvin Reinold**  **V0.1 10.10.17** |
| **Bern University of Applied Sciences** |

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# Motivation

My Motivation for this Topic is twofold. Primarily, I personally own an Android Device and have thought to develop on it. Secondarily, I am moderately interested in Security. I do not have any experience on both of those aspects, but I am interested in learning about them. I also wish to pass on this knowledge onto my peers, particularly those that wish to work in this field.

# Goal

I will acquire the knowledge about my topic as defined in the topic list. I will gain enough of an insight into my topic to be able to pass on part of it.

Based on this Knowledge, I will create a report containing both an overview of the topic and a focus on one subtopic. This report will meet all the requirements given in the introductory slides.

In addition to this report I will also create the slides for a presentation. These slides will fulfill all the requirements of the given checklist.

In a last step, I will hold an appealing presentation based on the slides. This Presentation will contain both an overview of the topic as well as a focus on one subtopic.

# Fundamental considerations

Due to not having any prior knowledge, I will have to invest a lot of time into acquiring the knowledge to achieve the goals. Thankfully, I can collaborate with two students who work on this topic as their Projekt2. After acquiring enough knowledge, I will depend on my own ability to write the report and hold the presentation. Working on this course alone will force me to invest more time into both of those, but I am confident in my abilities.

# Risk management

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Description** | **L** | **I** | **R** | **Measures to Mitigate** |
| 1 | Lack of Time  Due to working on this topic without partner, as well as starting late, there exists a sizeable risk of running out of time. | 2 | 3 | 6 | The main measure to mitigate this risk is investing more time early. I will also need to depend somewhat on the two students who are working on this topic as Projekt2. |
| 2 | Lack of Knowledge  I have very little existing knowledge of this topic. A lack of Knowledge at the end of the course would be disastrous to the goals. | 1 | 3 | 3 | Gathering the knowledge is part of the goal of this course. By being interested in the topic and working with the two other students, I should be able to mitigate this risk. |
| 3 | Data Loss  Documents could be lost by failure of hardware or software. Because a big part of this course is acquiring this knowledge, the impact is minor | 2 | 1 | 4 | Data will be secured in multiple places, one of them a GitHub repository as defined in the technical constraints |

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| 3 | 2 | 1 |  |
| 2 | **3** |  |  |
| 1 |  |  |  |
| I/L | 1 | 2 | 3 |

1 = Low, 2 = Medium, 3 = High

|  |  |
| --- | --- |
| **Legend** |  |
| L | Likelyhood |
| I | Impact |
| R | Risk |
| Red | High Risk |
| Yellow | Medium Risk |
| Green | Low Risk |

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# Customer Benefit

An adequate overview of all aspects of the topic will be given to both fellow students and lecturers.

As I will focus on one subtopic, people interested in that part specifically will profit more and should be able to use the information should they decide to continue working in that field.

Lecturers may reuse the report and presentation slides for their teaching activities.

# Management Information

Meetings will be held weekly, either Tuesday or Friday, depending on the advisor. In the case of being unable to hold a meeting, communication will take place in the form of a call. A weekly status report will either be presented at a meeting held on Friday or mailed.

All documentation will be shared in a GitHub repository, with changed files being uploaded at the end of each day.

In the case of increased risk, a second meeting will be held each week, on any day of the work week according to the advisor.

Additional communication will be held by phone, and e-Mail for less time-dependent correspondence.

# Course Planning

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| Date | Milestone |
| 18.09.2017 | Start of Course |
| 03.10.2017 | Received Topic/Call with advisor |
| 10.10.2017 | Submitted Agreement on Objectives |
| 13.10.2017 | First End-Of-Week Meeting, Progress report |
| 17.10.2017 | Possible Meeting |
| 20.10.2017 | Possible Meeting, Progress report |
| 24.10.2017 | Possible Meeting |
| 27.10.2017 | Possible Meeting, Progress report |
| 31.10.2017 | Possible Meeting, Last chance for report |
| 01.11.2017 | Submission of Report |
| 03.11.2017 | Possible Meeting, Last chance for slides, Submission of presentation slides, Progress report |
| 06.11.2017 | Presentation |

# Version control

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| **Version** | **Date** | **Description** | **Author** |
| 0.1 | 10.10.2017 | First draft. To be corrected by Advisor | Marvin Reinold |