IT University of Copenhagen **Date:** November 6th  
**Course:** Software Engineering **Supervisor:** Renata  
**Group:** 16 **Version:** 4  
**Document nr:** 10 **Tollgate:** 2  
**Responsible:** Cecilie **Status:** Ready for TG2

Portfolio document 10

Initial Documentation of Project Requirements

A person sitting on books and using a computer

Description automatically generated

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| Version | Change | Author | Date |
| 0 | Added ChangeLog (change me) | Peter | 22/09 |
| 1 | Added test, updated user stories | Cecilie | 01/11 |
| 2 | Did initial review and fixed a few typos | Peter | 02/11 |
| 3 | Added frontpage and fixed layout | Cecilie | 08/11 |
| 4 | Reviewed, minor changes. | Peter | 09/11 |
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Requirements for a system are a description of what services the system should provide and its operation. The requirements must reflect the needs of the customers and are used to communicate information about a system to different types of users (Sommerville 2016, s. 102).

Requirements are usually handled via user stories in agile development. User stories explain features within a software from the perspective of the user. The purpose of user stories is to articulate how the feature will benefit the user (Rehkopf). Since we follow the Scrum system, we will be using user stories to derive the requirements for our final software product. User stories allow us to describe desired functional and non-functional requirements from a user’s perspective. As user stories put the user first, the user stories use informal and non-technical language. After reading a user story, the entire team should know what system they’re developing, why they develop these features and what value it gives the user in the end (Rehkopf).

As a part of creating our user stories we started with a brainstorm for the requirements for our system which are shown in the figure underneath.

Et billede, der indeholder tekst, Post-it-note, Papirprodukt

Automatisk genereret beskrivelse

Afterwards we converted the requirements from our brainstorming into user stories.

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| Identification: Cecilie | Name: Easy to use / Good looking / Nice UI |
| Cecilie – Added user story 6.10.2023 | |
| User story    As a non-technical user  I want the application to be easy to use  So that I don’t need remarkable IT skills to use it | |
| How do I verify that use story is completed    We would probably need to do some prototyping and have the user test the application.  We could also verify if it’s easy to use based on the number of help frames.  We could also use AB Tests to test which design appeals most to the user. | |

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| Identification: Peter | Name: Ensures Compliance |
| Change Log: Peter – added User Story (06.10.2023) | |
| User story    As a small business owner  I want the application to handle access to the company’s files.  So that I comply with existing regulations and laws. | |
| How do I verify that use story is completed  By testing that other individuals do not have access to the chosen files. | |

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| Identification: Luca | Name: Safe/Secure / One-point stop for security |
| Luca – Added user story 6.10.2023 | |
| User story    As a small business owner  I want the application itself to handle my information with the utmost importance.  So that I won’t be worrying about leaking information outside my business. | |
| How do I verify that use story is completed  The system does not transfer confidential information outside the system/network. | |

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| Identification: Victoria | Name: Educational |
| Victoria – Added user story 6.10.2023 | |
| User story    As a small business owner  I want the application to be educating me about scams  So that I can better protect myself from malicious attackers trying to steal sensitive information. | |
| How do I verify that use story is completed    We would have to make sure that our application has the right tools to educate business owners about potential malicious attacks. | |

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| Identification: Cecilie | Name: Adaptable |
| Cecilie – Added user story 6.10.2023 | |
| User story    As a small business owner  I want the application to work with my specific system  So that I don’t have to implement a new system to be able to use the application. | |
| How do I verify that use story is completed    We would test it on different systems and the application adjusts to the specific system. | |

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| Identification: Carl | Name: Trustworthy |
| Carl– Added user story 6.10.2023 | |
| User story    As a small business owner  I want the application to be trustworthy  So that I can trust that the system protects my data | |
| How do I verify that use story is completed    We would probably need to do some prototyping and have the user test the application.  We could also verify if it’s easy to use based on the number of help frames. | |

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| Identification: Cecilie | Name: Not time-consuming |
| Cecilie – Added user story 6.10.2023 | |
| User story    As a non-technical user  I want the application to be simple, stable and fast  So that I don’t waste time using it, as I need to use precious working hours on my business | |
| How do I verify that use story is completed    We would probably need to do some prototyping and have the user test the application.  We could also verify if it’s easy to use based on the number of help frames. | |

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| Identification: Cecilie | Name: Efficient |
| Cecilie – Added user story 1.11.2023 | |
| User story    As a small business owner  I want the application to be efficient  So that helps me with security in an easy, non-complicated and fast way. | |
| How do I verify that use story is completed    We would probably need to do some prototyping and have the user test the application to verify that the application doesn’t overcomplicate things and works as attended. | |

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| Identification: Cecilie | Name: Low-maintenance / Robust |
| Cecilie – Added user story 1.11.2023 | |
| User story    As a small business owner  I want the application to be easy to maintain  So that I don’t need to use time updating the application or use unnecessary time on the application. | |
| How do I verify that use story is completed    We would need to make sure that updates of the application are seamless and automatic. | |

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| Identification: Cecilie | Name: Interactive training |
| Cecilie – Added user story 6.11.2023 | |
| User story    As a small business owner  I want the software to provide me with interactive cybersecurity training modules and quizzes  So that I can enhance my knowledge and understanding of IT security best practices. | |
| How do I verify that use story is completed    By developing interactive training programs and quizzes, we try to educate the user in the best way. These programs and quizzes may also be tested on users to see if they have an educational effect. | |

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| Identification: Cecilie | Name: Information |
| Cecilie – Added user story 6.11.2023 | |
| User story    As a non-technical user  I want to receive regular tips and insights on IT security through email newsletters or push notifications  So that I can stay informed and engaged. | |
| How do I verify that use story is completed    We must make sure that our application is always up to date with the latest regulations and security tips, so that we can notify our users through our application. | |

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| Identification: Cecilie | Name: Recognize achievements |
| Cecilie – Added user story 6.11.2023 | |
| User story    As a small business owner  I want to be able to showcase my commitment to IT security education by earning and displaying digital certifications or badges within the software  So that I can stay engaged and gain trust with my customers | |
| How do I verify that use story is completed    We must develop some sort of prototype for a digital badge or certification and test if it engages our users as intended. | |

Our user stories address the needs of small business owners in the realm of IT security. These user stories will serve as a starting point for developing our software. Our software focuses on helping small business owners enhance their IT security knowledge and confidence. Therefore, the application will be designed to encourage users to take proactive steps in securing their businesses.