**Thesis**

1. Introduction
   1. Motivation
   2. Problem Statement
   3. Thesis Overview
2. Mars System Overview
   1. Distributed Systems
   2. Microservice Architektur
   3. Technologies for managing complex Distributed Systems
   4. Mars System microservices Dependencies
3. Requirement Anaylsis
   1. Functional requirements
   2. Non-functional requirements
4. Design of the Solution

Choosing how the archived data will be stored

Archiving Process

Retrieval process

Architecture

MVC (With API sequence diagram here)

Applying SOLID( class Diagrams)

Repository pattern and other patterns

1. Implementation Details
2. Results and Validation
3. Conclusion
   1. Further Work
4. Appendix

Testing Exsisting Models

With mock models

Failure recovery