**Requirements Analysis Document**

Employee Scheduling System

CSCI4711 Software Engineering

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**Abstract**

This document contains the requirements, analysis and design artifacts for the Employee Scheduling System (ESS) software system. ESS is a personnel scheduling system that facilitates the employee submission and subsequent supervisor approval or denial of time off requests.

The rest of this document is structured as follows: Chapter 1 contains the introduction. This chapter presents a brief description of the system. Chapter 2 outlines the functional requirements of the system.

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1. **Introduction**
   1. **Scope of System**
   2. **Overview of Document**
2. **Requirements of System**
   1. **Functional Requirements**
   2. **Use Cases**



* 1. **Use Case Descriptions**

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| --- | --- |
| *Use case name* | ValidLogin |
| *Participating actors* | Initiated by Employee |
| *Flow of events* | 1. Employee enters their EmployeeID and Password. 2. ESS responds by authenticating the entered EmployeeID and password. Upon authentication, ESS displays the appropriate interface. |
| *Entry condition* | The Employee enters their login information into ESS |
| *Exit condition* | The Employee entered properly authenticated credentials |
| *Security requirements* | All login credentials are hashed and stored server-side, allowing for a higher degree of information security. |

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| *Use case name* | TimeOffResponse |
| *Participating actors* | Initiated by Supervisor |
| *Flow of events* | 1. ESS displays a queued notification alerting the Supervisor of the pending time off request. 2. Supervisor selects the appropriate request from their ESS interface and clicks either Approve or Deny. 3. ESS sends the resulting response to the originating Employee. |
| *Entry condition* | The Supervisor logs into their ESS account |
| *Exit condition* | The Supervisor submits a TimeOffResponse approval, OR the Supervisor submits a TimeOffResponse denial. |
| *Security requirements* | All responses are tracked by EmployeeID ensuring that no unauthorized individuals are able to surreptitiously gain access to a request. |

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| *Security requirements* |  |

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