***Homework 1 – Softwaretechnik***

**Task 1a**:

1. Students

Role: End users of the EGD system

Impact: - Students are directly affected by the system’s functionality since they use it to  
 register for exercise groups according to their schedules   
 - If system functions efficiently it will reduce scheduling conflicts and ensure fair  
 group assignments

Interest: - High interest in a fair and easy-to-use registration system that respects their  
 availability and provides timely notifications on group assignments

2. Lecturers and Teaching Assistants

Role: Organizers and overseers of the exercise groups

Impact: - Responsible for creating exercise groups and managing student assignments  
 - streamlined system will reduce their administrative load and enable fair distribution

Interest: - High interest in system that simplifies group setup and minimizes manual  
 intervention for conflict resolution  
 - Also need transparency in how students are distributed

3. University IT Department

Role: Technical administrators who implement, maintain, and care for security of EGD system

Impact: - Responsible for system’s setup and integration with university credentials  
 (Shibboleth), ongoing technical support, and system security  
 - Their involvement ensures data integrity, reliability, and scalability

Interests: - High interest in an easily maintainable, scalable, and secure system  
 - integrates well with existing infrastructure and user authentication protocols

4. System Administrators for EGD

Role: Internal managers and maintainers of the EGD software

Impact: - Oversee operation and monitor system performance  
 - Handle technical issues and perform necessary updates

Interest: - User-friendly, reliable system with minimal downtime   
 - Manage troubleshooting and system updates  
 - Require comprehensive administrative features for effective oversight

5. University Administration (Dean’s Office)

Role: Overseeing body ensuring the system aligns with academic policies and budget

Impact: - Responsible for approving budgets, policies, and procedures for systems deployment  
 - Need to ensure the system is cost-effective and enhances student satisfaction  
 without causing disruption

Interest: Moderate interest in a system that supports university objectives, such as fair  
 distribution and efficient resource allocation, without excessive costs

6. Future University-Wide Users

Role: Potential users if the EGD system is scaled up for university-wide implementation

Impact: - If successful system might extend to other departments or programs  
 🡪 Requires greater capacity and usability to handle more users

Interest: - Currently low but could increase if the system is expanded  
 - Requirements and interests will influence future development phases

**Task 1b**: