Functional requirement

1 table. Functional requirement „User Account “

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| --- | --- | --- | --- | --- | --- |
| **Requirement id** | 1. | **Requirement type:** | functional | | |
| **Requirement:** | System shall provide user account functionality | | | | | |
| **Description** | This requirement is essential for allowing users, both students and teachers, to interact with the system by creating and managing their accounts. | | | | | |
| **Source:** | Stakeholders - Students, Teachers | | | | | |
| **Fit criteria’s** | 1. Users can register using a valid university-provided email address and credentials.  2. The registration process includes email verification to ensure the authenticity of users.  3. Upon successful registration, users should be able to log in using their credentials.  4. The system securely stores user account information.  PTA (Positive Test Assertions): - Users can successfully register and log in.  NTA (Negative Test Assertions): - Users cannot register with an invalid email address. | | | | | |
| **Priority:** | High. | **Conflict:** | **None** | **Dependencies** | None |

2 table. Functional requirement „Anonymous Feedback Submission “

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| --- | --- | --- | --- | --- | --- |
| **Requirement id** | 2 | **Requirement type:** | functional | | |
| **Requirement:** | Users (students) should be able to submit anonymous feedback. | | | | | |
| **Description** | This requirement is crucial for the core functionality of the system, allowing students to provide feedback anonymously to maintain confidentiality. | | | | | |
| **Source:** | Stakeholders - Students | | | | | |
| **Fit criteria’s** | 1. Users can access a dedicated section for submitting feedback.  2. The feedback form allows users to enter comments and choose the relevant teacher.  3. Submission of feedback is successfully recorded in the system.  PTA (Positive Test Assertions): - Users can submit feedback without revealing their identity.  NTA (Negative Test Assertions): - Users cannot submit feedback without entering comments. | | | | | |
| **Priority:** | High. | **Conflict:** | **None** | **Dependencies** | User Account Functionality |

3 table. Functional requirement „Feedback Editing “

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| --- | --- | --- | --- | --- | --- |
| **Requirement id** | 3 | **Requirement type:** | functional | | |
| **Requirement:** | Teachers should be able to reply to the feedback they receive. | | | | | |
| **Description** | This requirement enhances communication, allowing teachers to respond to student feedback. | | | | | |
| **Source:** | Stakeholders - Teachers | | | | | |
| **Fit criteria’s** | 1. Teachers can view feedback received on their profile.  2. The system provides a reply feature for teachers to respond to feedback.  3. Teacher replies are securely recorded in the system.  PTA (Positive Test Assertions): - Teachers can successfully reply to student feedback.  NTA (Negative Test Assertions): - Teachers cannot reply to feedback from other teachers. | | | | | |
| **Priority:** | High. | **Conflict:** | **None** | **Dependencies** | User Account Functionality |

4 table. Functional requirement „Teacher's Reply “

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Requirement id** | 4 | **Requirement type:** | functional | | |
| **Requirement:** | System shall provide user account functionality | | | | | |
| **Description** | This requirement is essential for allowing users, both students and teachers, to interact with the system by creating and managing their accounts. | | | | | |
| **Source:** | Stakeholders - Students, Teachers | | | | | |
| **Fit criteria’s** | 1. Users can register using a valid university-provided email address and credentials.  2. The registration process includes email verification to ensure the authenticity of users.  3. Upon successful registration, users should be able to log in using their credentials.  4. The system securely stores user account information.  PTA (Positive Test Assertions): - Users can successfully register and log in.  NTA (Negative Test Assertions): - Users cannot register with an invalid email address. | | | | | |
| **Priority:** | High. | **Conflict:** | **None** | **Dependencies** | None |

Non-Functional requirement

1 table. Non - Functional requirement „ User-Friendly Interface “

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| --- | --- | --- | --- | --- | --- |
| **Requirement id** | 1. | **Requirement type:** | Usability | | |
| **Requirement** | System shall…. | | | | | |
| **Description** | System shall provide a user-friendly interface for easy navigation and interaction. | | | | | |
| **Source:** | Users | | | | | |
| **Fit criteria’s** | 1. Users can easily navigate through the system's features.  2. The feedback submission and editing processes are straightforward.  3. The system provides helpful prompts and guidance for users.  PTA (Positive Test Assertions): - Users can complete feedback submission/editing tasks without assistance.  NTA (Negative Test Assertions): - Users do not encounter confusion or difficulties in using the system. | | | | | |
| **Priority:** | Medium | **Conflict:** | **None** | **Dependencies** | Anonymous Feedback Submission, Feedback Editing |

2 table. Non - Functional requirement „System Uptime “

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| --- | --- | --- | --- | --- | --- |
| **Requirement id** | 2. | **Requirement type:** | Reliability | | |
| **Requirement** | System shall have high reliability, ensuring minimal downtime and uninterrupted service availability. | | | | | |
| **Description** | This requirement is essential to guarantee continuous access to the system, allowing users to submit and access feedback at any time. | | | | | |
| **Source:** | System Reliability Standards | | | | | |
| **Fit criteria’s** | 1. The system should have an uptime of at least 99.9%.  2. Downtime for maintenance and updates should be scheduled during low-traffic periods.  3. The system can recover gracefully from unexpected errors or failures.  PTA (Positive Test Assertions): - Users can consistently access the system without disruptions.  NTA (Negative Test Assertions): - Unplanned downtime is minimized, and users are informed in advance of scheduled maintenance. | | | | | |
| **Priority:** | High | **Conflict:** | **None** | **Dependencies** | Anonymous Feedback Submission |