

Quality Assessment of Student-Created User Stories

Evaluation Criteria

1. **Narrative Coherence and Clarity:** The user story should be clear and seamlessly fit within the Cyberium context. It must effectively communicate the functionality while maintaining consistency with the dystopian setting and its unique societal challenges.
2. **Relevance to the Cyberium User:** The story must accurately define the user role within Cyberium, ensuring that the proposed functionality directly addresses a relevant need within the world's constraints, whether for citizens, resistance members, or government-controlled systems.
3. **Impact and Purpose:** The story should articulate a strong purpose, demonstrating how the proposed solution benefits Cyberium's inhabitants. It must present a meaningful change in the dystopian society, addressing urgent issues such as resource scarcity, surveillance, or societal instability.
4. **Defined and Contextual Acceptance Criteria:** The story should include specific, testable acceptance criteria that reflect the complexity of Cyberium's technological and social systems. These criteria must outline how to determine if the feature successfully integrates within the dystopian world.
5. **Adherence to Standard User Story Format:** Each story must follow the structured format: "As a [Cyberium role], I need [action] so that [impact]." This format ensures consistency while emphasizing the societal and technological dynamics unique to Cyberium.
6. **Realism and Feasibility within Cyberium:** The proposed solution should be realistic within the constraints of Cyberium's world. It must balance creativity with feasibility, considering the dystopian infrastructure, available technologies, and societal limitations.

Evaluation Rubric

Rubric for evaluating each criterion on a scale of 1 to 5, where 1 is very poor and 5 is excellent:

Criteria	Very Weak (1)	Weak (2)	Average (3)	Good (4)	Excellent (5)
Narrative Coherence and Clarity	Very confusing; lacks coherence with Cyberium	Somewhat confusing; weak connection to Cyberium	Moderately clear; some inconsistencies	Clear and mostly consistent with Cyberium	Very clear, seamlessly integrated into Cyberium
Relevance to the Cyberium User	User role missing or undefined	User role poorly defined or irrelevant	User role partially defined; some relevance	User role well-defined and directly relevant	User role very well-defined and essential to Cyberium
Impact and Purpose	No clear purpose or benefit to Cyberium	Weak purpose; minimal impact	Either purpose or benefit is clear, but not both	Clear purpose and benefit to Cyberium	Strong purpose with significant impact on Cyberium
Defined and Contextual Acceptance Criteria	No acceptance criteria were provided	Criteria are vague or generic	Criteria are somewhat defined but lack detail	Criteria are transparent and testable	Criteria are precise and well-contextualized for Cyberium
Adherence to Standard User Story Format	It does not follow the format	The format is incorrect but somewhat recognizable	Mostly follows the format with minor issues	Correct format with slight refinements needed	It perfectly follows the format and enhances the clarity
Realism and Feasibility within Cyberium	Highly unrealistic; contradicts Cyberium's setting	That is unrealistic, given Cyberium's constraints	Moderately realistic; some feasibility concerns	Realistic within Cyberium's dystopian setting	Very realistic; aligns seamlessly with Cyberium's world and limitations

USER STORIES CREATED BY EACH TEAMS

TEAM BLACK
CONTEXT PROVIDED TO THE TEAM
<p>Health: The healthcare system is overwhelmed, with long waiting lines for medical consultations and exams. Patients are suffering from delays in diagnosing and treating diseases.</p> <p>Sabotage by the Forgotten: He sabotaged the appointment scheduling systems and medical records, causing disorganization and loss of important information.</p>
TEAM RESPONSE
<p>STORY 1:</p> <p>Given that a patient has requested a screening and the automated technology has collected their data and blood test, when the machine interprets the tests and assesses the patient's condition, then it will inform the patient of the result. Given that the patient wants to schedule an appointment, they enter their data into the system and then confirm their appointment in the system.</p> <p>As a doctor, I want to associate tests with a medical specialty so that other doctors related to the test results can take appropriate action.</p>

Professor evaluation and feedback - TEAM BLACK		
Criteria	Grade	Professor comments
Narrative Coherence and Clarity	2	The story is confusing. Simplify the language and make the structure more objective.
Relevance to the Cyberium User	3	The user is partially defined. Identify better who they are and their needs.
Impact and Purpose	2	It was not defined better
Defined and Contextual Acceptance Criteria	2	They mention the information that involves the process but do not specify how it will be worked with
Adherence to Standard User Story Format	2	Adjust to the standard "As [user], I want [action] for [benefit]."
Realism and Feasibility within Cyberium	1	The story is too unrealistic. Validate the ideas with the technical limitations.

Total Score	12
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TEAM BROWN	
CONTEXT PROVIDED TO THE TEAM	
<p>Food: The lack of access to food is increasing, with many residents going hungry. The city's food security is at risk.</p> <p>Sabotage by the Forgotten: He sabotaged crops, contaminated food, and disabled food distribution systems.</p>	
TEAM RESPONSE	
<p>STORY 1:</p> <ul style="list-style-type: none"> As a scientist I want to obtain information about crops (food and livestock) through an artificial intelligence-based scanner that runs daily. So that I can identify contaminated food and improve its quality through genetic engineering. <p>STORY 2:</p> <ul style="list-style-type: none"> As a distributor I want to be able to deliver food to the city's supermarkets through a matter teleporter controlled by artificial intelligence, which will identify which supermarkets need restocking. So that the population and merchants would have food. <p>STORY 3:</p> <ul style="list-style-type: none"> As a scientist I want an auxiliary route system for emergencies So that food can be transported to rural areas. <p>STORY 4:</p> <ul style="list-style-type: none"> As a scientist I want to decontaminate food through the manipulation of bacteria controlled by nanorobots. So that food waste is reduced. 	

Professor evaluation and feedback - TEAM BROWN		
Criteria	Grade	Professor comments
Narrative Coherence and Clarity	4	The story is clear but could be even more objective. Continue to prioritize direct communication.
Relevance to the Cyberium	4	The user is well-defined, but additional details can

User		strengthen the connection with the real context.
Impact and Purpose	5	Excellent work! The purpose and benefits are very clear and well-defined. Keep this level!
Defined and Contextual Acceptance Criteria	4	The criteria are clear but could be more detailed to cover all possible scenarios.
Adherence to Standard User Story Format	3	The format is good but could be adjusted to follow the expected pattern fully. Review the structure.
Realism and Feasibility within Cyberium	1	Although well structured, the story is not feasible in the current context. Validate the technical limitations before proposing features.
Total Score	21	

TEAM GREEN	
CONTEXT PROVIDED TO THE TEAM	
<p>Education: The quality of education is declining, with unmotivated students, unprepared teachers, and poor infrastructure. The future of the city is at risk.</p> <p>Sabotage by the Forgotten: He manipulated school curricula, deactivated online teaching platforms, and sabotaged teacher training programs.</p>	
TEAM RESPONSE	
<p>REQUIREMENTS:</p> <ul style="list-style-type: none"> • SOFTWARE: -Creating a highly capable access history system to analyze suspicious activities during website access. -Enhancing security through the promotion of biometric analysis for system access. -Analyze teaching methods that are compatible with the student. -Promotion of knowledge exchange between teachers and students and among teachers themselves. • SOCIAL: -Developing a universal method that satisfies every individual or social group. -Managers or autonomous tools that analyze and qualify the classes provided on the platform. • ACTORS: teachers, students, management Backup data storage <p>STORY 1: Given the knowledge exchange system, when accessing the conversation module and identifying as a student or teacher, a tab will appear to choose a specific subject or general knowledge.</p>	

- **As a student**, I want to connect with my teachers to ask questions and exchange knowledge so that we can have a good relationship.
- **As a teacher**, I want to gain more knowledge from other teachers/students.

STORY 2: System access history

- **As a manager**: I need an access history So that I can monitor suspicious activities and access.
- **As a student**, I need to choose my preferred teaching method for specific subjects So that I can absorb knowledge in the best possible way.
- **As a teacher**, I need access to the class database To upload new classes.
- **As a student**, I want a better study method To learn more effectively.
- **As a teacher**, I want to exchange knowledge and experiences To improve my knowledge base.
- **As a public school student in Cyberium**, I feel unmotivated in my studies because I want a teacher who teaches well so I can understand the subject and get high grades.

Professor evaluation and feedback - TEAM GREEN		
Criteria	Grade	Professor comments
Narrative Coherence and Clarity	4	The story is clear and well-structured. Continue to ensure objective and direct language.
Relevance to the Cyberium User	5	Excellent definition of the user! The audience is very well-identified and contextualized.
Impact and Purpose	4	The purpose and benefits are clear. Minor adjustments can further strengthen the impact on the user.
Defined and Contextual Acceptance Criteria	4	Well-defined criteria. Can include more scenarios to cover additional situations, if applicable.
Adherence to Standard User Story Format	2	The format needs to be revised to align with the expected standard. Suggestion: "As [user], I want [action] for [benefit]."
Realism and Feasibility within Cyberium	1	The story presents ideas that are not very feasible within the current context. Validate the technical limitations with the development team.
Total Score	20	

TEAM ORANGE

CONTEXT PROVIDED TO THE TEAM		
<p>Economy: The economy is in crisis, with high unemployment, rising inflation, and a lack of investments. The population is suffering from poverty and social inequality.</p> <p>Sabotage by the Forgotten: He infiltrated banking systems and manipulated financial data, creating chaos in the financial market and destabilizing the economy.</p>		
TEAM RESPONSE		
<p>STORY 1:</p> <ul style="list-style-type: none"> • As a bank • I want to validate changes to banking system data • To ensure greater security in the system • Scenario 1: "Account Movement" <ul style="list-style-type: none"> ○ Given when the user makes a transaction (Withdrawal/Deposit) ○ If the transaction is suspicious ○ Then cancel the transaction • Scenario 2: "Update Account Information" <ul style="list-style-type: none"> ○ Given when the user updates their account information ○ Then, the client's branch must contact them to validate the change <p>STORY 2:</p> <ul style="list-style-type: none"> • As a user • I need a unique token • To validate access to my account • Scenario 1: <ul style="list-style-type: none"> ○ Given that the user wants to access their account ○ When they enter their token ○ And the access is validated ○ Then, they (the user) will be able to access their account freely ○ But if the account is breached ○ Then, the user will be immediately notified ○ And the account will be blocked 		

Professor evaluation and feedback - TEAM ORANGE		
Criteria	Grade	Professor comments
Narrative Coherence and Clarity	5	Excellent work! The story is extremely clear and objective. Keep up the good work.

Relevance to the Cyberium User	5	The user is perfectly defined and relevant to the context. Congratulations on the precision!
Impact and Purpose	5	The purpose and benefits are very well developed and aligned with the user's needs.
Defined and Contextual Acceptance Criteria	3	The criteria are useful but could be more detailed to include alternative scenarios and more specific success conditions.
Adherence to Standard User Story Format	5	Perfect! The format follows the standards and makes it easy to understand.
Realism and Feasibility within Cyberium	5	Very good! The story is realistic and feasible within the technical scope of the project.
Total Score	28	

TEAM PURPLE
CONTEXT PROVIDED TO THE TEAM
<p>Environment: Pollution is increasing, with air and water quality deteriorating. The city is becoming increasingly uninhabitable.</p> <p>Sabotage by the Forgotten: He sabotaged the computational systems of water and sewage treatment plants, deactivating sensors and algorithms that monitor air and water quality, resulting in increased pollution.</p>
TEAM RESPONSE
<p>STORY 1:</p> <ul style="list-style-type: none"> • As a technician at the station • I want to check the sensors and algorithms • To know if they are functioning properly. <p>Scenario 1: Adjust Sensors</p> <ul style="list-style-type: none"> ○ Given that the technician performed the check ○ And the sensors showed malfunctions ○ Then, the technician performs sensor maintenance. <p>Scenario 2: Fix Algorithms</p> <ul style="list-style-type: none"> ○ Given that the technician performed the check ○ And the algorithms showed malfunctions

- Then, the technician performs algorithm maintenance.

STORY 2:

- **As a quality operator**
- I want to verify the air and water quality
- To determine whether the water should be distributed or treated.

Scenario 1: Distribute Water

- Given that the operator checks the water
- And it is suitable for consumption
- Then, release water distribution.

Scenario 2: Treat Water

- Given that the operator checks the water
- And it is not suitable for consumption
- Then, perform water treatment.

Scenario 3: Treat Air

- Given that the operator checked the air
- And the air showed low-quality
- Then, perform air purification.

STORY 3:

- **As a station customer**
- I want to provide feedback on the quality
- To ensure its standards.

Scenario 1: Report Negative Feedback

- Given that the water or air is of low quality
- Then contact the station.

STORY 4:

- **As a station manager**
- I want to view the access history
- To ensure security.

Scenario 1: Block Unauthorized Access

- Given that there is a security breach
- Then, block unauthorized access.

Professor evaluation and feedback - TEAM PURPLE		
Criteria	Grade	Professor comments
Narrative Coherence and Clarity	5	The story is clear, objective, and easy to understand.
Relevance to the Cyberium User	5	The user is perfectly defined and aligned with the context.
Impact and Purpose	5	The purpose and benefits are very evident and add real value.
Defined and Contextual Acceptance Criteria	5	The criteria are detailed, objective, and verifiable. Excellent!
Adherence to Standard User Story Format	5	The format follows the expected pattern, facilitating understanding and application.
Realism and Feasibility within Cyberium	5	The story is entirely feasible and realistic within the technical scope.
Total Score	30	