

REVIEW DOCUMENT			
Start Date: 01.06.2021			
Project Name: Stock Management System		Number of Pages:	
Product Name: Stock Management System		Product Definition:	
Roles:	Review Leader:		
	Reviewers:	1. M.Mert Dervişoğulları	3. Durali Alagöz
		2. Ömer Denizoğlu	4. Irina Erofeeva
Review Materials:	<ul style="list-style-type: none"> <li>• Vision (V)</li> <li>• Glossary (G)</li> <li>• Use Case Specification (U)</li> <li>• System-Wide Requirements (S)</li> <li>• Risk List (R)</li> <li>• Project Plan (P)</li> <li>• Work Items List (W)</li> <li>• Next Iteration's Plan (N)(For iteration 4)</li> <li>• Architecture Notebook(A)</li> <li>• Design Document (D)</li> <li>• Test Cases/Test (TC)</li> <li>• Test Log (TL)</li> <li>• Executable partial system(E)</li> <li>• Source code(S)</li> </ul>		
Total Number of Errors:			
Assessment Status:	ACCEPTED ____ as it is _+__ with rework	REJECTED _____ review again	
ERROR TYPES			
Error Type Number	Error Type Definition	Number of Errors Found	
1	Spelling (grammar, punctuation, etc)	4	
2	Inconsistency with the standards	1	
3	Uncertain	5	
4	Incorrect	14	
5	Inapplicable	4	
6	Internal Inconsistency	0	
7	External Inconsistency	11	
8	Incomplete/Insufficient/Missing	7	
9	Other	1	
	<b>TOTAL</b>	<b>47</b>	
Importance Types	Importance Type	Number of Errors Found	
	Little	11	
	Medium	20	

	Important	16
	<b>TOTAL</b>	<b>47</b>

No	Reviewed Material ID	Section	Page	Line/ No	Error Type	Importance	Explanation	Correction Status	Correction Explanation
1.	Vision	1.Introduction	2	N/A	1.Grammar	Little	“This document includes the vision and scope of the Stock Management <b>System aim to</b> check the stock of the current needed product status whether it is close to being understock or overstock for the production.” Can be <b>System aiming to</b> or <b>System, that aims to</b>	A	
2.	Vision	4. Product Overview 4.1 Needs and Features	4	7	4. Incorrect	Little	The column feature for the “inventory dashboard” need is written like: “It is the homepage of the application”. It is better to paraphrase it to make it sound more like a feature.	A	
3.	Vision	4. Product Overview 4.1 Needs and Features	4	N/A	3. Uncertain	Medium	There are two features in the table: 1. “User <b>registrations</b> and logins” and 2. “ <b>Sign up</b> for the system”. The difference between these two is uncertain, it may be explained more detailed.	R	It is clear
4.	Glossary	1.Terms and Descriptions	2	N/A	9. Other	Little	It can be useful to arrange definitions either in alphabetic order or give them numbers or group them by meanings to make it easier to refer to them and use them.	A	
5.	UseCaseSpec	3. <b>FULLY-DRESSED USE CASES</b>	4	N/A	3. Uncertain	Medium	“ <i>Details of the items are given in the Glossary and Class Diagrams</i> ” It would be good to specify, in which document Class diagrams can be found, as they can be in not only one document.	A	
6.	UseCaseSpec	3. <b>FULLY-DRESSED USE CASES</b> UC1.2: Login The System	5	N/A	8.Incomplete	Medium	Primary actor is only Stock Manager, but Admin can also login to the system, so that this actor should be included	A	

7.	UseCaseSpec	3. FULLY-DRESSED USE CASES,	5	N/A	8.Incomplete	Important	Interaction steps are missing in this scenario: 1. how the admin should know that he should change	A	
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		<b>UC1.2: Login The System, extension 3a</b>					the password,2. how the stock manager gets his new password.	A	
8.	<b>UseCaseSpec</b>	UC1.4: Manage Users 3a.	7	N/A	3. Uncertain	Important	“The SMS displays the attributes of the new user. Admin initializes the attributes of the new user.” What are these attributes needed to initialize a new user? It can be written in Glossary or in that use case.	A	
9.	<b>UseCaseSpec</b>	UC1.3: Manage Roles – Post-conditions:	10	N/A	4. Incorrect	Medium	“ <i>Post-conditions: One or more products</i> ” But the use case is not about products (must be just typo)	A	
10.	<b>UseCaseSpec</b>	UC2.1: Manage Raw Material – Extension 3b	9	N/A	1.Grammar	Little	“4. The stock wants to update the raw material.” Probably, the stock <b>manager</b> was meant.	A	
11.	<b>UseCaseSpec</b>	UC2.1: Manage Raw Material – Primary Actor	8	N/A	7. External Inconsistency	Medium	According to the current implementation (executable), not only the stock manager but also the other users can perform operations related to managing raw material. So one of those artifacts (implementation or use cases specification) must be corrected.	A	
12.	<b>UseCaseSpec</b>	UC2.2: Manage Products – Primary Actor	9	N/A	7. External Inconsistency	Medium	According to the implementation, not only the stock manager but also the other users can perform operations related to managing products. So one of those artifacts (implementation or use cases specification) must be corrected.	A	
13.	<b>System-Wide Requirements Specification</b>	3.2 <b>Reliability</b>	1	N/A	7. External inconsistency	Important	Requirement “The system should be up and running 24/7 operation period.” conflicts with “Availability must be 2 nines which mean 99%	R	They are two

							service uptime and aim for downtime below 15 minutes per day.” written in Vision document other product requirements section.		different technical terms already
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14.	<b>System-Wide Requirements Specification</b>	<b>3.4 Supportability</b>	1	N/A	3. Uncertain	Important	“In terms of understandability, the code will be commented on for further uses” How much it will be commented on?(It should be specified in order to make this requirement measurable)	A	
15.	<b>Project plan III</b>	<b>4.Project milestones and objectives</b>	3	N/A	7. External inconsistency	Medium	Tasks assigned for the iteration 4 in the work items list are missing in the iteration C2 objectives.(Deliver Glossary v4.0, Produce Design Document for Iteration IV, Revised Architecture Notebook For Iteration IV)	R	There is no such obligation
16.	<b>Project plan III</b>	<b>4.Project milestones and objectives</b>	3	N/A	4. Incorrect	Little	Release 1 is missing. Most probably just typo in iteration C3.	R	It does not need to be stated since the meaning of it can be inferred
17.	<b>Project Plan</b>	<b>4.Project milestones and objectives</b>	3	N/A	8. Missing	Medium	Implementation of uc 1.2 extensions is not in the project plan	R	We descoped this due to turnovers in group.
18.	<b>Work Items List Iteration Plan 3</b>	23-29	N/A	23-29	4. Incorrect	Medium	Items described in these lines are stated as closed, but hours hours worked are 0s and estimated effort is full	A	
19.	<b>Iteration Plan IV (N)</b>	<b>3. Work Item Assignments</b>	2	N/A	2. Inconsistency with the standards	Little	In both plans for iteration III and IV previously implemented items are included in the plan. It is stated in the document, that this is done for comfort of the team, however the reason for that is	R	There is a long explanation for that in the document already

							little bit not clear and this is against the meaning of the document		
20.	Iteration Plan III	6. Assessment	2	N/A	8. Missing	Medium	Assessment part is missing	A	
21.	<b>Design</b>  <b>Document</b>	Patterns	2	N/A	8. Missing	Little	Structure of the pattern can be shown with <i>class diagrams</i> together with already existing explanation to improve understanding.	R	There is no such obligation in open UP.
22.	<b>Design</b>  <b>Document</b>	Requirement  realizations System Sequence diagrams	4-7	N/a	3. Uncertain	Important	In diagrams UC2.1, UC2.2, UC1.3, UC1.4 the system redirects the user to the Index page, but there are a lot of pages called index in the system, maybe it is better to specify which Index page it is. Or even give them different names (but this is more about realization)	R	It is already known, that is why we have use case specification
23.	<b>Test Cases(TC)</b>	<b>TC.SMS.DUR,</b> <b>TC.SMS.CUR,</b>	1, 2, 3, 4, 5, 6	NA	1.Spelling (grammar,	Little	“Tester should has the admin role.” -> “Tester should have the admin role.”	A	



		TC.SMS.UUR, TC.SMS.DUR, TC.SMS.DUS, TC.SMS.CUS, TC.SMS.UUS, TC.SMS.DEUS			punctuation, etc)				
24.	Test Cases(TC)	TC.SMS.LTS, <u>Description</u>	1	NA	1.Spelling (grammar, punctuation, etc)	Little	“This test case verifies login to the system operations for stock manager” -> “This test case verifies login to the system operations for the stock manager.”	A	
25.	Test Cases	TC.SMS.DUR, TC.SMS.DUS, TC.SMS.DRM, TC.SMS.DPR	1, 4, 8, 12	N/A	5. Inapplicable	Medium	In all “Displaying” Test Cases Step 2 in the scenario is redundant: you cannot select a role from the list, without this step all details of all roles are already visible. And wherever you click, no additional information appears. So this step can be just removed	R	We can perform
26.	Test Cases	TC.SMS.CUR,  step 2, TC.SMS.UUR, step 3	2	N/A	5.  Inapplicable	Medium	It is not possible to specify <b>Privileges</b> , as written in the test case. Maybe this part should be deleted or marked as failed.	R	It is an umbrella term
27.	Test Cases	TC.SMS.CUR, step 3	2	N/A	5. Inapplicable	Medium	By running this scenario, it was possible to create the role with the same name, so this step can be marked as failed (it was tested twice: Appendix figure 1 and 2)	A	
28.	Test Cases	TC.SMS.DUR, TC.SMS.DEPR, TC.SMS.DEUS, TC.SMS.DERM, step 2, 3	1, 3, 6, 11	N/A	5. Inapplicable	Medium	While deleting the confirmation window is missing, so those steps can be either deleted or marked as failed(preferably marked as failed and implemented later, because in Use Case Specification in these operations confirmation window is also defined. If it should be just deleted, the use case specification document should also be updated.)	A	
29.	Test Cases	TC.SMS.CUS ,	5	N/A	4. Incorrect	Important	After this step the system gives not expected	A	

		step 3					warning (Appendix Figure 3, 8)		
30.	Test Cases	TC.SMS.CRM, step 2	9	N/A	7. External inconsistenc y,	Medium	Test case and executable are not consistent. There is no material number row in the form. This step should be updated according to the current	A	

							implementation(also adding quality field, for example6 that is not written in the test case now)		
31.	Test Cases	TC.SMS.CPR	12	N/A	7. External inconsistency,	Medium	Test case and executable are not consistent. There is no <b>Product Number</b> row in the executable, instead there is description row. This step should be updated according to the current implementation	A	
32.	Test Cases	TC.SMS.CUS	5	N/A	8. Incomplete	Medium	Data given in the test case “ <b>Username:</b> berfuani1-1 <b>Password:</b> 123456 <b>Role:</b> -” is not enough to complete this step - the system requires also email, name and surname.	A	
33.	Test Cases	N/A	1, 3	N/A	4. Incorrect	Little	Two test cases have same code: <b>TC.SMS.DUR – Display Role</b> and <b>TC.SMS.DUR- Delete Role</b>	A	
34.	Test Log	N/A	N/A	N/A	8.Missing	Little	Test Log document is missing	R	There is no such obligation
35.	Executable	N/A	N/A	N/A	4. Incorrect	Important	After CRUD operations are performed, user information changes during the session. For example, after entering the system as admin, then creating, editing, deleting of roles, the role of the current user can suddenly change and some operations become not available. This problem is hard to catch but it happens often, so the team may consider addressing this issue.	A	
36.	Executable	N/A	N/A	N/A	4. Incorrect	Important	The newly created roles can not be assigned. This issue is related to UC1.4: Manage Users –	R	We can perform

							Extension 5a		
37.	Executable	N/A	N/A	N/A	4.Incorrect	Medium	<p>There is no warning message and the system accepts roles with the same name. Related to UC1.3: Manage Roles – Extension 3c:</p> <p>“3a. Existing role.</p> <p>1. The SMS displays the warning message. ”</p>	A	

38.	Executable	N/A	N/A	N/A	7. External Inconsistency	Important	Opening the website with url: “ <a href="https://stockupy.azurewebsites.net/Product/Index">https://stockupy.azurewebsites.net/Product/Index</a> ” will give a successful result of opening the Index  page of the product without logging to the system. However in SWRS it was written that “ <i>The user should log in to the system to access the main screen.</i> ”	R	Because it is a web base applicaiton with state
39.	Executable	N/A	N/A	N/A	7. External Inconsistency	Important	But in SWRS in business rules part 5.2 Inventory Update Rules it is written that the system can be  updated only by authorized users, but in the current executable it can be updated by anyone with the link. So one of these artifacts should be changed.	R	There is no such line?
40.	Executable	N/A	N/A	N/A	7. External Inconsistency	Medium	Not only admin but also the other users can perform Manage Roles. Inconsistent with Use Case Spec. UC1.3: Manage Roles – Primary Actor (Appendix Figure 9 shows Manager session, that also allows operations with Roles and users )	A	
41.	Executable	N/A	N/A	N/A	7. External Inconsistency	Medium	Not only admin but also the other users can perform Manage Users. Inconsistent with Use Case Spec. UC1.4: Manage Users – Primary Actor(Appendix Figure 9 shows Manager session, that also allows operations with Roles and users )	A	
42.	Executable	N/A	N/A	N/A	4.Incorrect	Important	As it is stated in the UC2.1: Manage Raw Material – Extension 3b(update a raw material): “ <i>The stock manager enters the new values of the attributes. 3a. Existing identifier.</i> ”	A	

							<p><i>1. The SMS displays the warning message.”</i></p> <p>There is no warning message appearing and the system accepts material with the same name.</p> <p>Figure 4.</p>		
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43.	Executable	N/A	N/A	N/A	4.Incorrect	Important	<p>As it is stated in the UC2.1: Manage Raw Material – Extension 3c(<b>create</b> new raw material):</p> <p><i>“4. Stock manager requests to save the new raw material.</i></p> <p><b>4a. Existing identifier.</b></p> <p><b>1. The SMS displays the warning message. ”</b></p> <p>There is no warning message appearing and the system accepts material with the same name.</p> <p>Figure 5.</p>	A	
44.	Executable	N/A	N/A	N/A	4.Incorrect	Important	<p>As it is stated in the UC2.2: Manage Products – Extension 3a( create a product):</p> <p><i>“Existing identifier. 1. The SMS displays the warning message.”</i></p> <p>There is no warning message appearing and the system accepts products with the same name.</p> <p>Figure 6.</p>	A	
45.	Executable	N/A	N/A	N/A	4.Incorrect	Important	<p>As it is stated in the UC2.2: Manage Products – Extension 3c( update a product):</p> <p><i>“3c. The stock manager wants to update a product.”</i></p> <p><i>“4b. Existing identifier</i></p> <p><b>1. The SMS displays the warning message. ”</b></p> <p>The product name can be updated, which may be considered as wrong. This way the updated item</p>	R	Explanation does not make any sense

							becomes a new product. So it should be treated as a new product.		
46.	<b>Executable</b>	N/A	N/A	N/A	7.External inconsistenc y	Important	<i>In Use Case specification document UC1.3: Manage Roles – Extension 3a it is written: “3. Admin requests to save the new role.</i>	A	



							<p><i>4a. Existing role.</i></p> <p><i>1. The SMS displays the warning message.”</i></p> <p>However, no no warning message appears and the system accepts a role with the same name. Figure 7.</p>	A	
47.	<b>Executable</b>	N/A	N/A	N/A	4. Incorrect	Important	<p><i>“3b. The stock manager wants to update a raw material.”</i></p> <p>In this scenario, the name of the material can also be changed. If the material name can also be updated, then the item becomes actually a new material. So maybe the use case may be reconsidered and in this situation it should become a completely new material or this field should not be changeable.Because the name of the material seems to be its’ identifier.</p>	R	This suggestion is logically incorrect.

## Appendix

## Index

[Create New](#)

RoleName	CreatedAt	ModifiedAt	Status	
SysAdmin	5/30/2021 1:36:28 PM	5/30/2021 1:36:28 PM	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
Manager	5/30/2021 1:36:45 PM	5/30/2021 1:36:45 PM	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
Normal	5/30/2021 1:36:57 PM	5/30/2021 1:36:57 PM	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
stockmanager	6/2/2021 10:45:25 AM	6/2/2021 10:45:32 AM	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
stockmanager	6/2/2021 10:46:41 AM	6/2/2021 10:46:47 AM	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
stockmanager	6/2/2021 10:46:55 AM	6/2/2021 10:46:55 AM	Active	<a href="#">Edit</a>   <a href="#">Delete</a>

Figure 1.

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# Index

[Create New](#)

RoleName	CreatedAt	ModifiedAt	Status	
SysAdmin	5/30/2021 1:36:28 PM	5/30/2021 1:36:28 PM	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
Manager	5/30/2021 1:36:45 PM	5/30/2021 1:36:45 PM	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
Normal	5/30/2021 1:36:57 PM	5/30/2021 1:36:57 PM	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
stockmanager	6/2/2021 10:52:58 AM	6/2/2021 10:52:58 AM	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
stockmanager	6/2/2021 10:53:04 AM	6/2/2021 10:53:04 AM	Active	<a href="#">Edit</a>   <a href="#">Delete</a>

Figure 2.

## Error.

An error occurred while processing your request.

Request ID: |ed44719-4d89846be7a19c26.

### Development Mode

Swapping to **Development** environment will display more detailed information about the error that occurred.

The **Development** environment shouldn't be enabled for deployed applications. It can result in displaying sensitive information from exceptions to end users. For local debugging, enable the **Development** environment by setting the **ASPNETCORE\_ENVIRONMENT** environment variable to **Development** and restarting the app.

Figure 3.

MaterialName	Description	Quantity	PartNumber	Category	OverStockLevel	SafetyStockLevel	LeadTime	Status	
Material A	Test Material 1	50	123	c1	100	50	7	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
Material B	Test Material 2	250	234	c2	1000	500	25	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
Material B	Test Material 3	1011	345	c33	100	51	131	Active	<a href="#">Edit</a>   <a href="#">Delete</a>

Figure 4.

Create

ProductMaterialModel

MaterialName

Material D

Description

/

Quantity

1

(8)

Status

Passive

PartNumber

1

(8)

Material D	/	1	1	1	1	1	1	Passive	<a href="#">Edit</a>   <a href="#">Delete</a>
Material D	/	1	1	1	1	1	1	Passive	<a href="#">Edit</a>   <a href="#">Delete</a>

Figure 5.

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## Index

[Create New](#)

ProductName	Description	Status	
Product A	Test Product 1	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
Product B	Test Product 2	Active	<a href="#">Edit</a>   <a href="#">Delete</a>
Product D	D	Passive	<a href="#">Edit</a>   <a href="#">Delete</a>
Product D	D	Passive	<a href="#">Edit</a>   <a href="#">Delete</a>

Figure 6.

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Level1 Role	6/2/2021 4:21:12 PM	6/2/2021 4:21:12 PM	Passive	<a href="#">Edit</a>   <a href="#">Delete</a>
Level1 Role	6/2/2021 4:56:00 PM	6/2/2021 4:56:00 PM	Passive	<a href="#">Edit</a>   <a href="#">Delete</a>

Figure 7.

## Error.

An error occurred while processing your request.

Request ID: [1dc19a2f-493a5ff367d8de33].

### Development Mode

Swapping to **Development** environment will display more detailed information about the error that occurred.

**The Development environment shouldn't be enabled for deployed applications.** It can result in displaying sensitive information from exceptions to end users. For local debugging, enable the **Development** environment by setting the **ASPNETCORE\_ENVIRONMENT** environment variable to **Development** and restarting the app.

Figure 8.



Figure 9.