

REVIEW DOCUMENT			
Start Date: 2023-04-02			
Project Name: IMTSquare - AnyChange Software		Number of Pages:	
Product Name: AnyChange Software		Product Definition: AnyChange is a web scraping and analysis tool	
Roles:	Review Leader:	Code Busters	
	Reviewers:	1. Ezgi Özkan	2. Kadir Kılıçoğlu
		3. Tuğçe Sözer	4. -
Review Materials:	<ul style="list-style-type: none">• Vision (V)• Glossary (G)• Use Case Model (U)• System-Wide Requirements (S)• Risk List (R)• Project Plan (P)• Work Items List (W)• Next Iteration's Plan (N)• Iteration Plan (I)		
Total Number of Errors:			
Assessment Status:	ACCEPTED <input type="checkbox"/> As It Is <input type="checkbox"/> With Rework	REJECTED <input type="checkbox"/> Review Again	

ERROR TYPES		
Error Type Number	Error Type Definition	Number of Errors Found
1	Spelling (grammar, punctuation, etc.)	15
2	Inconsistency with standards	4
3	Uncertain	14
4	Incorrect	5
5	Inapplicable	2
6	Internal Inconsistency	8
7	External Inconsistency	3
8	Incomplete/Insufficient/Missing	23
9	Oher	8
TOTAL		82
Importance Types	Importance Type	Number of Errors Found
1	Little	25
2	Medium	38
3	Important	19
TOTAL		82

No	Reviewed Material ID	Section	Page	Line/ No	Error Type	Importance	Explanation	Correction Status	Correction Explanation
1	G	Definitions	3	N/A	9	Little	Definitions and explanations are not clearly separated, it's hard to read.	Under Review	Have a 2-column table or make definitions bold.
2	I	2. High-level (HL) objectives	3	21-22-23	8	Little	The followings are not listed in work items list <ul style="list-style-type: none"> • Basic infrastructure of the backend side • Generate ideas for Python-web interface • Creation and approval for high level design ideas for architecture 	Under Review	Provide these as work items as well in work items list document.
3	I	1. Key milestones	3	4th record in the table	6	Medium	In the milestone "Initial version of the code - core features", core features are not clearly defined in neither this document nor work items list document	Under Review	Provide clear description of core features and list them concisely.
4	P	1 Project organization	3	31	3	Medium	Inconsistent team/unit/position names with respect to the stakeholders defined in Vision document (Section 3.1 Stakeholder Summary)	Under Review	Provide position names in Vision document which are not available there.
5	R	Risks	2	N/A	9	Little	Full text in cells are not visible until expanded.	Under Review	Expand cells to fit in all text.
6	R	Risks	2	5	6	Medium	Probability hasn't changed after mitigation.	Under Review	Update the probability properly after mitigation.
7	R	Risks	2	7	4	Medium	The mitigation of poor implementation is not correct.	Under Review	Poor development practices can be mitigated by promoting good CI practices, static code analysis, unit/functional and integration testing practices, peer review culture, etc.
8	R	Risks	N/A	N/A	9	Important	Overloading the website your app is scraping with too many requests, can slow down the site or even cause it to crash.	Under Review	Provide a mitigation strategy for this risk
9	R	Risks	N/A	N/A	9	Important	Some websites have specific terms of service agreements that prohibit scraping	Under Review	Provide a mitigation strategy for this risk
10	R	Risks	N/A	N/A	9	Important	If the data in the website is not regularly updated, your app may extract inaccurate or outdated information	Under Review	Provide a mitigation strategy for this risk
11	S	2. System-Wide Functional Requirements	3	19	4	Medium	None of the listed items are functional requirements.	Under Review	Update the section with proper system-wide functional requirements.
12	S	2. System-Wide Functional Requirements	3	21	2	Medium	Storing login information is for auditing purposes or regulatory compliance rather than ensuring user security.	Under Review	Update the reasoning like "...up to last 6 months to comply with auditing and regulatory compliance requirements".
13	S	2. System-Wide Functional Requirements	3	23	3	Medium	What is meant by "open-source licensing"? There are many types of open-source licensing where some restricts commercial usage.	Under Review	Elaborate on the specific licensing type which allows commercial usage.

14	S	2. System-Wide Functional Requirements	3	34	3	Little	Since an external authentication system is going to be used, why is this requirement listed here?	Under Review	Update the section with proper system-wide functional requirements.
15	S	2. System-Wide Functional Requirements	3	36	2	Little	Does ICTA act as a purchasing gateway, or does it provide any regulations for purchasing systems.	Under Review	Add the relevant regulations if this was intended.
16	S	3.1. Usability	4	41	7	Important	Conflicts with UC1	Under Review	The registration step must clearly state the case that usernames are always emails.
17	S	3.1. Usability	4	41	7	Important	Conflicts with UC1	Under Review	Will a password be requested during registration? UC1 requires a password, but it is not required by the usability requirement.
18	S	3.1. Usability	4	44	3	Little	Since this is basically an analysis system, what is meant by "...allow users to edit their order related information."?	Under Review	Elaborate what is meant by "user order".
19	U	N/A	N/A	N/A	9	Medium	Overall styling inconsistencies across the document leading to confusion.	Under Review	Standardize each use case with consistent subsections and numbering.
20	U	N/A	N/A	N/A	9	Medium	Missing ToC - Table of Contents making it hard to jump to any use case	Under Review	Add a ToC enabling easy navigation for the reader.
21	U	Use Case Model	3	12	4	Medium	Switching to a premium account does not have direct relation with an external Banking System actor.	Under Review	Change to "include" relation with the "Manage Payment Information" UC.
22	U	Use Case Model	3	12	8	Important	Missing "Subscribe" feature from the Vision document.	Under Review	The "Subscribe" feature is defined in the Vision document for v1.0 but this feature is no included in the UC model.
23	U	Use Case Model	3	12	8	Important	Missing "Offline Usage" feature from the Vision document.	Under Review	The "Offline Usage" feature is defined in the Vision document for v1.0 but this feature is no included in the UC model.
24	U	Use Case Model	3	12	8	Medium	Missing connection between the "Login to the system" UC and the external "Authentication System" actor.	Under Review	There must be a connection between authentication related use cases if an external authentication system actor is defined.
25	U	Use Case Model	3	12	6	Medium	Missing UC for premium users to downgrade their account.	Under Review	If there is a UC for standard users to switch premium account, there must be a similar use case for premium users to downgrade their account. Rater, it's better to have a common use case like "Manage Own Account".
26	U	Use Case UC1: Register to System	4	22	5	Medium	Registration with only a username and password is inapplicable. If the username is intended to be the email, it must be stated explicitly in the "Special Requirements" section.	Under Review	Registration requires at least a valid email.
27	U	Use Case UC1: Register to System	4	23	1	Little	Wrong usage of "user name"	Under Review	The correct usage is "username"
28	U	Use Case UC1: Register to System	4	29	1	Little	Grammatic error of "Standard"	Under Review	The correct spelling is "Standard"

29	U	Use Case UC1: Register to System	4	29	1	Medium	The model describes an external authentication system actor, which is missing in primary actors.	Under Review	Add the external “Authentication System” actor.
30	U	Use Case UC1: Register to System	4	32	8	Medium	"Main Success Scenario" header is missing.	Under Review	Add the "Main Success Scenario" header.
31	U	Use Case UC1: Register to System	4	32	7	Medium	No interaction described for the “Authentication System”.	Under Review	The “Authentication System” actor must be the main interactor to validate and persist credentials.
32	U	Use Case UC1: Register to System	4	35	1	Little	Wrong usage of "user name"	Under Review	The correct usage is "username"
33	U	Use Case UC1: Register to System	4	39	8	Little	Missing failure condition	Under Review	Use case should be updated
34	U	Use Case UC1: Register to System	4	44	8	Medium		Under Review	Either add alternative flow for failure condition, or add a dedicated section. For instance it is not clear what happens if the system does not validate the username uniqueness?
35	U	Use Case UC2: Log in to System	4	53	1	Little	Spelling error of “Standart”	Under Review	The correct spelling is “Standard”
36	U	Use Case UC1: Register to System	4	54	8	Medium	"Main Success Scenario" header is missing.	Under Review	Add the "Main Success Scenario" header.
37	U	Use Case UC1: Register to System	4	61	8	Medium	"Extensions" header is missing.	Under Review	Add the "Extensions" header.
38	U	Use Case UC2: Log in to System	4	61	6	Medium	If the username was intended to be an email, how can a user forget her username and request it back from the system to her email? Otherwise, on UC-1, the email of the user was not requested during registration.	Under Review	Registration requires at least a valid email.
39	U	Use Case UC2: Log in to System	4	61	3	Medium	"User enters e-mail and clicks on log in." User should enter password too.	Under Review	Use cases should be updated
40	U	Use Case UC2: Log in to System	4	64	1	Little	Spelling error of “adress”	Under Review	The correct spelling is "address"
41	U	Use Case UC2: Log in to System	4	67	1	Little	Wrong usage of "user users"	Under Review	The correct usage is "user's"

42	U	Use Case UC3: Manage Personal Information	5	82	1	Little	Spelling error of “Standart”	Under Review	The correct spelling is “Standard”
43	U	Use Case UC3: Manage Personal Information	5	88	2	Medium	Why are phone number and address information required? It is against the GDPR.	Under Review	To comply with the GDPR either add the Special Requirements section to explain why extra fields are required, or remove all unnecessary fields.
44	U	Use Case UC4: Manage Payment Information	5	101	2	Important	The use case does not cover PCI compliance which is a must for sensitive payment information.	Under Review	By regulation, all payment information must be processed through PCI compliant steps
45	U	Use Case UC5: Switch Premium Account	6	131	3	Medium	It is not clear if the payment information is fetched from previously saved credit card, or the payment is completed ad-hoc.	Under Review	Elaborate if the previously saved card is going to be used, in that case add it to preconditions, otherwise clearly describe payment steps. If only credit card payment is allowed explain this under the Special Requirements section, otherwise add extensions for various payment options.
46	U	Use Case UC5: Switch Premium Account	6	139	6	Medium	It should be stated in the preconditions that the credit card information is registered	Under Review	Use case should be updated
47	U	Use Case UC6: Monitor Products	7	163	5	Medium	It is not practical to list products only by alphabetical order. There must be at least a category and seller filters.	Under Review	If the user needs to monitor products
48	U	Use Case UC7: Manage Notification	8	197	3	Medium	Not clear full instruction set or the valid expressions of the instructions.	Under Review	The instructions are not clearly elaborated, list them one by one and explain the valid expressions for each of them under subsequent sections.
49	U	Use Case UC8: Search Product	8	224	3	Medium	Not clear filtering options.	Under Review	The filters are not clearly elaborated, list them one by one and explain the valid expressions for each of them under subsequent sections.
50	U	Use Case UC8: Search Product	9	241	3	Medium	What if the product is not found? This extention should be added to use case.	Under Review	Use case should be updated
51	U	Use Case UC9: Manage Product	9	247	3	Medium	Not clear product attributes.	Under Review	The product attributes are not clearly elaborated, list them one by one and explain the valid expressions for each of them under subsequent sections.
52	U	Use Case UC9: Manage Product	9	277	4	Important	2B.2c. describes update and remove actions, in this case the Extension does not apply for Remove operation.	Under Review	Seperate update and remove operation alternative flows.
53	U	Use Case UC10: Request	10	282	8	Little	A support request generally requires a category.	Under Review	Add a category field to the Request Support form.

		Support							
54	U	Use Case UC11: View Historical Data	10	304	8	Medium	Missing time period constraint.	Under Review	Beside validation rules there must be a time period constraint for such historical searches, otherwise the overall system will be affected negatively.
55	U	Use Case UC12: Manage User Questions	11	325	8	Medium	A support request requires a status, otherwise it will not be clear if it is a pending request, or a new one, or a reply, or etc.	Under Review	Add status to requests and add relevant steps for status update interactions.
56	U	Use Case UC12: Manage User Questions	11	325	6	Medium	UC-10 describes how to submit a "Support Request" but UC-12 describes how to answer "User Questions" which are basically different things.	Under Review	Either describe "Support Request" and "User Question" as interchangeable terms in the Glossary document, or update UC-12 as "Manage Support Requests"
57	U	Use Case UC13: Manage Users	11	348	4	Important	A normal user should only be onboarded through registration as described in UC1.	Under Review	Correct the use case to cover only system users and add steps how to generate credentials.
58	U	Use Case UC14: Manage User Roles	12	376	8	Medium	Can a normal user be modified as a CSS for example?	Under Review	Elaborate modifiable user roles under Special Requirements
59	U	Use Case UC1: Register to System	4	29	6	Important	"Premium User" is stated as one of the primary actors for this use case, but in order to be a "Premium User" from scratch there is no additional step or use case.	Under Review	The user can select the registration type at the beginning. If so, there need to add extension to this use case. If not, that is, as stated in UC-5, if the user can switch the registration type after registered as "Standard User", then UC-1 has an inconsistent flow for "Premium User" since it asks the user for registration info.
60	U	Use Case UC2: Log in to System	4	68	8	Little	Missing flow step	Under Review	It needs to resume from the 3rd step of the main flow.
61	U	Use Case UC4: Manage Payment Information	5	107	6	Medium	"Standard User" is stated as one of the primary actors for this use case. Since "Standard User" is assumed to be the ones with free subscription, there is no need for them to manage payment information.	Under Review	"Premium User" and "Standard User" definitions and abilities are need to be described explicitly.
62	U	Use Case UC5: Switch Premium Account	6	141-148	8	Medium	Missing the step of getting payment information from the user	Under Review	There is no step for user to enter credit cart information in the use case.
63	U	Use Case UC5: Switch Premium Account	6	153	8	Important	It is stated that there are 2 types of user, premium and standart. This use case describes to switch from standart to premium. So it is not clear that what options are provided and supposed to be selected in step 3a	Under Review	Provide the options clearly or eliminate step 3a.
64	U	Use Case UC6: Monitor Products	7	181	3	Important	It is not clearly described in which scope these products are kept (in session or page) Also, In step "3a. User wants to remove products.", removal process is supposed to be clarified as well	Under Review	Provide the scopes of adding and removing a product

65	U	Use Case UC13: Manage Users	11	348	8	Important	The purpose of the use case is not understood. It is not clear which users the administrator manages and for what purpose	Under Review	Provide the purpose of managing users and list the user types that can be manageable.
66	U	Use Case UC14: Manage User Roles	12	376	8	Important	The purpose of the use case is not understood. It is not clear which user roles the administrator manages and for what purpose	Under Review	Provide the purpose of managing user roles and list the role types that can be manageable.
67	V	2.1. Problem Statement	3	22, 32	1	Little	Comma needed after "However"	Under Review	The correct usage is "However, ..."
68	V	2.1. Problem Statement	3	24	1	Little	Comma needed after "e.g."	Under Review	The correct usage is "e.g.,"
69	V	2.1. Problem Statement	3	38	1	Little	Wrong usage of “can not”	Under Review	The correct usage is “cannot” or “can’t”
70	V	2.1. Problem Statement	3	39	1	Little	Wrong usage of “can not”	Under Review	The correct usage is “cannot” or “can’t”
71	V	2.1. Problem Statement	3	22-30	3	Medium	Too much detailed information which are not directly related with the problem	Under Review	It is better to state the problem briefly that your software is intended to solve . This statement should be concise and specific, and should explain the problem in a way that all stakeholders can understand.
72	V	2.2. Product Position Statement	5	53	1	Little	Wrong usage of comma in "inflation, and"	Under Review	The correct usage is "inflation and"
73	V	2.2. Product Position Statement	5	52-54	3	Medium	The sentence is not clear "This software will also be used by sellers who claim to protect their customers against inflation, and give them the informed customer base they aspire to have. "	Under Review	Replace unambiguous sentence with a concise one, since it is not understood clearly
74	V	3.1.Stakeholder Summary	6	71	1	Little	"E-commerce platforms will offered to beta test the software"	Under Review	E-commerce platforms will be offered to beta test the software.
75	V	3.2. User Environment	8	89	1	Little	Wrong usage of “can not”	Under Review	The correct usage is “cannot” or “can’t”
76	V	3.2. User Environment	8	90	1	Little	Wrong usage of “can not”	Under Review	The correct usage is “cannot” or “can’t”
77	V	3.2. User Environment	8	89-90	3	Medium	The sentence is not clear "The web scraping activities can not be used in any area/vehicle restraining data transfer as web scraping can not be performed. However offline use will be available."	Under Review	Replace unambiguous sentence with a concise one.
78	V	4.1. Needs and Features	8	95	8	Important	In the "Product Position Statement" it is clearly stated that the proposed solution "is a web scraping and analysis tool". Though, there aren't any needs or features described either for web scraping nor analysis.	Under Review	Add relevant needs and features to achieve web scraping and analysis capabilities.
79	V	4.1. Needs and Features	8	95	8	Important	Are the features stated as to be released in release 1.0, planned for all users?(consumers, sellers, ecommerce platforms)	Under Review	Clearly state the users who will be able to use these features at the end of release 1.0
80	V	4.1. Needs and Features	9	95	9	Little	Since the features are not grouped in order of releases, it is difficult to track while reading.	Under Review	Group the features in order of releases, so that readers can understand which features will be available at the end of a specific release.

81	V	4.1. Needs and Features	9	95	8	Important	The feature "Users can use offline features, downloaded files and so on" is not explicitly defined.	Under Review	Provide offline features clearly.
82	W	WIL_Iteration_1	N/A	N/A	8	Important	Work items are missing.	Under Review	Only iteration 1 work items are listed. Try to describe your work items as much as possible.Because there is a work item stated as "Produce iteration plan for iterations 1&2", hence it is expected to see the work items for iteration 2.