Use Cases

for

MANGA/COMIC WEB APPLICATION

Version 1.0 approved

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Source Code: github.com/kreatfqode/api-web-comic

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1. Introduction

The Use Case Document is a business document which provides a story of how a system, and its actors, will be utilized to achieve a specific goal. An effective Use Case should provide a detailed step-by-step description of how the system will be used by its actors to achieve the planned outcome. The purpose of the Use Case is to tie the business needs of the system to the design parameters of the system to ensure that the completed system achieves the goals established by the business requirements. The level of detail in Use Cases may vary greatly depending on the size and complexity of the system being designed.

This Use Case has been developed for ABC Corporation's new system for ordering material based on the design team's gathering of business and functional area requirements. The Material Ordering System will replace the manual material ordering processes currently utilized by ABC Corp. ABC Corp. has identified business needs for reducing man hours for material ordering and leveraging existing software platforms (i.e. SAP) to help manage material ordering and inventory management. The new Material Ordering System will be designed to meet these business needs and improve ABC Corp.'s overall business strategy.

2. Explanation of Use Case Contents

Use Case formats and contents may vary based on system requirements, organizational standards, or unique situations. However, a majority of Use Cases consist of some fundamental contents which may be applied across a wide range of system types. This section will provide explanations for each section of the Use Case.

Name of Use Case: Provide a short name for the use case which should lend itself to the objective of the system.

Description: This section should provide a description of both the reason for using the use case and the expected outcome of the use case.

Actors: Actors may be primary or secondary. Primary actors are the people who will be initiating the system described in the use case. Secondary actors are those will participate in the completion of the use case.

Precondition: This section should describe any conditions that must be true or activities that must be completed prior to executing the use case.

Postcondition: This section should describe the state of the system at the conclusion of the use case. Postconditions may include conditions for both successful and unsuccessful execution of the use case.

Flow: This section should describe all actions of the user and the expected system responses for planned normal execution of the use case. The description should be sequential and provide adequate detail to understand all user actions and system responses.

Alternative Flows: Many use cases have varying or special extensions or conditions which are separate from the main flow but also necessary. Alternative flows are usually the result of options or exceptions built into the use case which may alter the primary flow.

Exceptions: When use cases are executed, there may be various conditions which result in errors. This section should describe any errors that may result during use case execution and how the system will react or respond to those errors.

Requirements: This section should describe any non-functional or special requirements for the system as the use case is executed. These requirements may consist of legal or regulatory requirements, quality standards, or organizational requirements that are outside of the functional requirements the system is expected to perform.

3. Product Use Case

3.1. User Registration

Name of Use Case:	User Registration			
Created By:	M. Oskhar Mub		Last Updated By:	M. Oskhar Mub
Date Created:	20/1/202	24	Last Revision Date:	20/1/2024
Description:	This us applica		the process of a new use	er registering on the web comic/manga
Actors:	Guest ((New User), Sys	tem	
Preconditions:	The use	The user does not have an existing account.		
Postconditions:	The use	The user's account is successfully created, and they are ready to log in.		
Flow:	1. U	User provides a unique username, a valid email, and a secure password.		
	2. Т	2. The application validates the provided information.		
	3. Т	3. The user is registered with a default role set as 'User'.		
	4. T	4. The system sends a confirmation email to the user.		
	5. U	User confirms the	e registration by clicking	the link in the confirmation email.
Alternative Flows:			irmation link is not click expire, and the user need	ed within a certain time, the ls to register again.
Exceptions:			irmation link is not click mes invalid, and the user	ed within a specified time, the must re-register.
Requirements:		The system must addresses are val		of usernames and ensure that email

2. Confirmation emails must be sent securely and promptly.
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3.2. User Leaving Comment

Name of Use Case:	User Leaving Comment			
Created By:	M. Oskhar Mub	Last Updated By:	M. Oskhar Mub	
Date Created:	20/1/2024	Last Revision Date:	20/1/2024	
Description:	Describes the process of	of a user leaving a comme	ent on a chapter of the manga.	
Actors:	User			
Preconditions:	User is logged in and v	iewing a chapter of the n	nanga.	
Postconditions:	The user's comment is successfully added to the system.			
Flow:	1. User navigates to a manga or chapter.			
	2. User decides to le	2. User decides to leave a comment and enters the content.		
	3. User submits the	3. User submits the comment.		
	4. The application a	associates the comment v	vith the user, manga, and chapter.	
Alternative Flows:	1. Users can reply t	to existing comments, cre	eating a threaded discussion.	
Exceptions:	If the comment content.	content is empty, the syst	em prompts the user to enter valid	
Requirements:	The system show existing commer	0.0	in threaded discussions by replying to	

3.3. User Giving Rating

Name of Use Case:	User Giving Rating		
Created By:	M. Oskhar Mub	Last Updated By:	M. Oskhar Mub
Date Created:	20/1/2024	Last Revision Date:	21/1/2024

Description:	Describes the process of a user providing a rating and optional review comment for a manga.		
Actors:	User		
Preconditions:	User is logged in and viewing a manga.		
Postconditions:	The user's rating is successfully added to the system.		
Flow:	 User navigates to the manga they want to rate. User provides a numerical rating (1 to 5) and an optional review comment. User submits the rating. The application associates the rating with the user and manga. 		
Alternative Flows:	1. If the user chooses not to leave a review comment, they can skip that part of the process.		
Exceptions:	If the rating input is invalid, the system prompts the user to provide a valid rating.		
Requirements:	The system must validate the numerical rating provided by the user.		

3.4. Reporting Inappropriate Content

Name of Use Case:	Reporting Inappropriate Content			
Created By:	M. Oskhar Mub	M. Oskhar Mub Last Updated By: M. Oskhar Mub		
Date Created:	20/1/2024	Last Revision Date:	21/1/2024	
Description:	Describes the process of	Describes the process of a user reporting inappropriate content or spam.		
Actors:	User, System			
Preconditions:	User identifies inappropriate content while using the application.			
Postconditions:	A web view report is submitted to the system.			
Flow:	 User identifies inappropriate content. User initiates the report, providing details such as the type of content and a description. 			

	3. User submits the report.4. The application associates the report with the user, manga, and chapter.
Alternative Flows:	Users can select the type of inappropriate content from predefined categories.
Exceptions:	If the report details are incomplete, the system prompts the user to provide all required information.
Requirements:	Inappropriate content reports should include predefined categories for ease of classification.

3.5. User Following an Author

Name of Use Case:	User Following an Author			
Created By:	M. Oskhar Mub		Last Updated By:	M. Oskhar Mub
Date Created:	20/1/2	024	Last Revision Date:	21/1/2024
Description:	Desc	ribes the process of	of a user following an aut	thor to receive updates.
Actors:	User			
Preconditions:	User	User is logged in and viewing an author's profile.		
Postconditions:	The 1	The user successfully follows the author, and the follow action is recorded.		
Flow:	1.	1. User navigates to an author's profile.		
	2.	2. User clicks the 'Follow' button.		
	3.	3. The application records the follow action, including a timestamp.		
Alternative Flows:	1.	Users can unfollo	ow an author by clicking	an 'Unfollow' button.
Exceptions:	1.	If the user is not logged in, the system prompts them to log in before following an author.		
Requirements:	1.	The follow mechanism must be robust, allowing users to unfollow authors if desired.		

3.6. User Bookmarking Manga

Name of Use Case:	User Following an Author			
Created By:	M. Oskhar Mub	Last Updated By:	M. Oskhar Mub	
Date Created:	20/1/2024	Last Revision Date:	21/1/2024	
Description:	Describes the process of	of a user bookmarking a i	manga to save it for future reading.	
Actors:	User			
Preconditions:	User is logged in and b	User is logged in and browsing manga titles.		
Postconditions:	The selected manga is successfully bookmarked in the user's profile for future reference.			
Flow:	User navigates to the list of available manga titles.			
	2. Users click on a specific manga title they want to bookmark.			
	3. User selects the o	3. User selects the option to "Bookmark" the manga.		
	4. The application a	ndds the manga to the use	er's list of bookmarked titles.	
Alternative Flows:		entally clicks on the "Boo ng "Remove Bookmark."	okmark" option, they can undo the	
Exceptions:	If there is an error try again.	or in bookmarking the ma	anga, the system prompts the user to	
Requirements:	manga titles.		interface for managing bookmarked eir bookmarked titles from their	

3.7. User Notification Inbox

Name of Use Case:	User Notification Inbox		
Created By:	M. Oskhar Mub	Last Updated By:	M. Oskhar Mub
Date Created:	20/1/2024	Last Revision Date:	21/1/2024
Description:	This use case involves providing users with a dedicated notification inbox within the web comic/manga application.		

Actors:	User,System		
Preconditions:	User is logged into their account.		
Postconditions:	Users can conveniently review and manage notifications within the dedicated inbox.		
Flow:	Users access the notification inbox from their profile.		
	2. The system displays a chronological list of notifications.		
	3. Users can mark notifications as read, unread, or delete them.		
Alternative Flows:	If the user misses a notification, the system retains it in the inbox for a certain period.		
	2. If the user clicks on a notification, the system directs them to the relevant content (e.g., manga, chapter).		
Exceptions:	1. If there is an issue retrieving notifications, the system displays an error message		
	and prompts the user to try again.If a user marks a notification as unread, but the action fails, the system logs the		
	error for further investigation.		
	3. If the user attempts to delete a notification that is critical for system updates, the system prompts for confirmation to avoid accidental deletion.		
Dagwingmanta	1. The quater must provide real time undates for time consitive notifications		
Requirements:	 The system must provide real-time updates for time-sensitive notifications. Notification inbox must support filtering and search capabilities. 		
	3. Notifications should be retained for a reasonable period, even if the user is not		
	actively checking the inbox. 4. The system should offer a seamless transition from the notification inbox to the		
	associated content.		

3.8. Author Registration and Onboarding

Name of Use Case:	Author Registration and Onboarding			
Created By:	M. Oskhar Mub Last Updated By: M. Oskhar Mub			
Date Created:	28/1/2024 Last Revision Date: 28/1/2024			
Description:	This use case involves the registration and onboarding process for new authors.			
Actors:	Admin, Author			

Preconditions:	Admin is logged into the admin dashboard.			
Postconditions:	New authors are successfully registered and added to the platform.			
Flow:	 Admin accesses the Author Management section. Admin initiates the author registration process. Author completes the registration form, providing necessary details. The application validates the information and creates a new author profile. 			
Alternative Flows:	If the registration form is incomplete, the system prompts the admin to ensure all required fields are filled.			
Exceptions:	If the registration process encounters technical errors, the system logs the issue for further investigation.			
Requirements:	 The system must enforce unique usernames and email addresses. Secure transmission and storage of registration data. 			

3.9. Author Profile Management

Name of Use Case:	Author Profile Management				
Created By:	M. Oskhar Mub	M. Oskhar Mub Last Updated By: M. Oskhar Mub			
Date Created:	28/1/2024	28/1/2024			
Description:	This use case covers the information.	This use case covers the management of author profiles, including updating information.			
Actors:	Admin, Author				
Preconditions:	Author is logged into their account.				
Postconditions:	Author profile details are successfully updated.				
Flow:	 Author accesses their profile from the dashboard. Author edits profile information such as pen name, biography, and social media links. The application validates and updates the author's profile. 				

Alternative Flows:	If the profile update includes invalid data, the system prompts the author to correct the errors.
Exceptions:	1. If there are issues with updating the profile picture, the system allows the author to retry or select a new image.
Requirements:	 The system must support the upload and storage of profile pictures. Real-time validation of social media links.

3.10. Manga Creation and Management

Name of Use Case:	Manga Creation and Management			
Created By:	M. Oskhar Mub		Last Updated By:	M. Oskhar Mub
Date Created:	28/1/2	024	Last Revision Date:	28/1/2024
Description:	This	use case involves	the creation and manage	ment of manga titles by authors.
Actors:	Auth	or		
Preconditions:	The a	uthor is logged in	to their account.	
Postconditions:	New	New manga titles are successfully created and associated with the author's profile.		
Flow:	1.	Author navigates	to the dashboard's mang	ga management section.
	2. Author initiates the		the process of adding a new manga.	
	3. Author provides		details such as title, description, genre, and cover image.	
	4. The application associates the new manga with the author's profile.		a with the author's profile.	
Alternative Flows:	If the manga details are incomplete, the system prompts the author to fill in the required fields.			ystem prompts the author to fill in the
Exceptions:	If there is an issue with uploading the cover image, the system allows the author to retry or select a different image.			
Requirements:	1. 2.	* *	iple genres for each man que titles for each author	•

3.11. Chapter Management

Name of Use Case:	Chapter Management			
Created By:	M. Oskhar Mub		Last Updated By:	M. Oskhar Mub
Date Created:	28/1/2	024	Last Revision Date:	28/1/2024
Description:	This use case involves the creation and management of chapters within a manga.			ment of chapters within a manga.
Actors:	Auth	or, System		
Preconditions:	The a	uthor is logged in	to their account.	
Postconditions:	New	New chapters are successfully added to the selected manga.		
Flow:	Author selects a manga from their dashboard.			
	2. Author initiates the process of adding a new chapter.			
	3. Author provides details such as title, chapter number, and content.			
	4. The application associates the new chapter with the selected manga.			
Alternative Flows:	If the chapter details are incomplete, the system prompts the author to fill in the required fields.			
Exceptions:	If there is an issue with uploading chapter content, the system allows the autho to retry or choose a different content file.			
Requirements:	1. 2.	Support for various content formats (images, text) for chapters.		

3.12. User Interaction Tracking

Name of Use Case:	User Interaction Tracking			
Created By:	M. Oskhar Mub Last Updated By: M. Oskhar Mub			
Date Created:	28/1/2024			
Description:	This use case involves tracking user interactions with an author's content.			
Actors:	Author, System			
Preconditions:	The author is logged into their account.			

Postconditions:	Author gains insights into user engagement.	
Flow:	 Author accesses the dashboard's analytics section. Author reviews metrics such as views, comments, and ratings for each manga and chapter. The application displays user interaction data in a comprehensible format. 	
Alternative Flows:	If there is a sudden spike in user engagement, the system provides real-time notifications to the author.	
Exceptions:	1. If the analytics data retrieval fails, the system logs the issue for investigation	
Requirements:	 Real-time updates for user engagement metrics. Historical data tracking for analytics. 	

3.13. Notification Management

Name of Use Case:	Notific	Notification Management		
Created By:	M. Osk	khar Mub	Last Updated By:	M. Oskhar Mub
Date Created:	28/1/20	024	Last Revision Date:	28/1/2024
Description:	This u	use case covers the	e management of notifica	ations related to user interactions.
Actors:	Autho	or, System		
Preconditions:	Autho	Author can efficiently manage and respond to notifications.		
Postconditions:	Autho	Author gains insights into user engagement.		
Flow:	1.	Author accesses the dashboard's notification center.		
	2.	2. Author reviews new comments, ratings, or follow notifications.		
	3.	3. The application allows the author to respond or take relevant actions directly		
		from the dashboard.		
Alternative Flows:	1.	If the author receives a large number of notifications, the system provides sorting and filtering options.		
Exceptions:	1.	If the notification message.	n retrieval fails, the syste	m retries or provides an error

Requirements: 1. Support for various notification types (comments, ratings, follows). 2. Bulk actions for efficient notification management.	Requirements:	
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4. System Use Case

4.1. Admin Managing Users

Name of Use Case:	Admin Managing Users			
Created By:	M. Oskhar Mub		Last Updated By:	M. Oskhar Mub
Date Created:	28/1/2024		Last Revision Date:	28/1/2024
Description:	This use case in	volves	the admin managing user	r accounts and roles within the system.
Actors:	Admin			
Preconditions:	Admin is logge	d into tl	he admin dashboard.	
Postconditions:	User accounts a	User accounts and roles are successfully managed.		
Flow:	Admin navigates to the user management section.			
	2. Admin views a list of all users and their details.			
	3. Admin ha	1		
	4. Admin ca	n view	and edit user details, inc	luding username, email, and role.
	5. Admin ca	5. Admin can deactivate or delete user accounts as needed.		
Alternative Flows:	If a user account is deactivated, the system retains the user data but restricts login access.			
Exceptions:	If there are errors in editing user details, the system prompts the admin to correct them.			
Requirements:			have the authority to vie	w, edit, deactivate, or delete user
	accounts 2. Deactiva		accounts should not be	able to log in.

4.2. Admin Managing Authors

Name of Use Case:	Admin Managing Users			
Created By:	M. Oskhar Mub	Last Updated By:	M. Oskhar Mub	
Date Created:	28/1/2024	Last Revision Date:	28/1/2024	
Description:	This use case involves titles.	This use case involves the admin managing author profiles and associated manga titles.		
Actors:	Admin			
Preconditions:	Admin is logged into t	Admin is logged into the admin dashboard.		
Postconditions:	Author profiles and ma	Author profiles and manga titles are successfully managed.		
Flow:	 Admin navigates to the author management section. Admin views a list of all authors and their profiles. Admin has the ability to search for specific authors based on pen name or email. Admin can view and edit author details, including pen name and biography. Admin can deactivate or delete author profiles. Admin can view a list of manga titles associated with each author. Admin has the ability to edit or delete individual manga titles. 			
Alternative Flows:	If an author profile is deactivated, all associated manga titles are also deactivated.			
Exceptions:	If there are errors in editing author details or manga titles, the system prompts the admin to correct them.			
Requirements:		have the authority to vie ociated manga titles.	w, edit, deactivate, or delete author	

4.3. Admin Managing Manga

Name of Use Case:	Admin Managing Manga	a	
Created By:	M. Oskhar Mub	Last Updated By:	M. Oskhar Mub
Date Created:	28/1/2024	Last Revision Date:	28/1/2024

Description:	This use case involves the admin managing manga details, chapters, and user interactions.		
Actors:	Admin		
Preconditions:	Admin is logged into the admin dashboard.		
Postconditions:	Manga details, chapters, and user interactions are successfully managed.		
Flow:	Admin navigates to the manga management section.		
	2. Admin views a list of all manga titles and their details.		
	3. Admin has the ability to search for specific manga titles based on title or genre.		
	4. Admin can view and edit manga details, including title, description, and cover		
	image.		
	5. Admin can deactivate or delete manga titles.		
	6. Admin views a list of chapters for each manga and has the ability to edit or		
	delete chapters.		
	7. Admin can view user comments and ratings for each manga.		
	8. Admin has the authority to delete inappropriate comments or ban users if		
	necessary.		
Alternative Flows:	If a manga title is deactivated, all associated chapters, comments, and ratings are also deactivated.		
Exceptions:	If there are errors in editing manga details or chapters, the system prompts the admin to correct them.		
Requirements:	The admin must have the authority to view, edit, deactivate, or delete manga titles, chapters, and user interactions.		

4.4. Admin Managing Web View Reports

Name of Use Case:	Admin Managing Web View Reports		
Created By:	M. Oskhar Mub	Last Updated By:	M. Oskhar Mub
Date Created:	28/1/2024	Last Revision Date:	28/1/2024
Description:	This use case involves the admin managing web view reports submitted by users.		

Actors:	Admin, User	
Preconditions:	Admin is logged into the admin dashboard.	
Postconditions:	Web view reports are successfully managed.	
Flow:	Admin navigates to the web view report management section.	
	2. Admin views a list of all web view reports with details such as report type and description.	
	3. Admin can search for specific reports based on manga title or user.	
	4. Admin can view the details of each report, including the reported content and status.	
	 Admin has the ability to mark reports as processed or rejected based on the investigation. 	
Alternative Flows:	If a report is marked as processed, the admin may need to take further actions such as content removal or user warning.	
Exceptions:	If there are errors in processing web view reports, the system prompts the admin to correct them.	
Requirements:	The admin must have the authority to view, process, and manage web view reports.	

4.5. Admin Managing Follows

Name of Use Case:	Admin Managing Follows		
Created By:	M. Oskhar Mub Last Updated By: M. Oskhar Mub		
Date Created:	28/1/2024	Last Revision Date:	28/1/2024
Description:	This use case involves the admin managing user follows on authors.		
Actors:	Admin, System		
Preconditions:	Admin is logged into the admin dashboard.		
Postconditions:	Follow relationships are successfully managed.		

Flow:	1. Admin navigates to the follow management section.	
	2. Admin views a list of all user follows with details such as follower and	
	following authors.	
	3. Admin can search for specific follow relationships based on user or author.	
	4. Admin has the ability to view details of each follow relationship, including	
	timestamps.	
	5. Admin can delete or modify existing follow relationships if necessary.	
Alternative Flows:	1. If a following relationship is modified, the timestamp is updated to reflect the last interaction.	
Exceptions:	1. If there are errors in managing follow relationships, the system prompts the admin to correct them.	
Requirements:	The admin must have the authority to view, modify, or delete user follow relationships.	

4.6. Admin Giving Warning to Author

Name of Use Case:	Admin Giving Warning to Author		
Created By:	M. Oskhar Mub	Last Updated By:	M. Oskhar Mub
Date Created:	28/1/2024	Last Revision Date:	28/1/2024
Description:	Describes the process of an admin issuing a warning to an author for content violations or policy breaches.		
Actors:	Admin, Author		
Preconditions:	Admin is logged into the admin dashboard, and the author has violated content policies.		
Postconditions:	The author receives a warning notification, and the admin's action is recorded.		
Flow:	 Admin identifies a specific author who has violated content policies or breached platform rules. Admin selects the option to issue a warning to the author. Admin provides a clear and detailed explanation of the violation or breach. 		

	4. The application sends a notification to the author about the warning.
Alternative Flows:	1. If the violation is severe, the admin may choose to suspend the author's account temporarily.
Exceptions:	1. If there are errors in issuing the warning, the system prompts the admin to correct them.
Requirements:	 The warning system should be transparent, providing authors with a clear understanding of the violation and potential consequences.

4.7. Admin Sending Message to Author

Name of Use Case:	Admin Sending Message to Author		
Created By:	M. Oskhar Mub	Last Updated By:	M. Oskhar Mub
Date Created:	28/1/2024	Last Revision Date:	28/1/2024
Description:	Describes the process of an admin sending a direct message to an author for communication purposes.		
Actors:	Admin, Author		
Preconditions:	Admin is logged into the admin dashboard, and there is a need for direct communication with the author.		
Postconditions:	The author receives the admin's message, and both parties can engage in a private conversation.		
Flow:	 Admin navigates to the author management section and selects the specific author. Admin chooses the option to send a direct message to the author. Admin composes the message, providing necessary details or instructions. The application sends the message to the author's inbox, notifying them of the new communication. 		
Alternative Flows:	Authors can resp history.	ond to admin messages,	creating a threaded communication
Exceptions:	If there are errors correct them.	s in sending the message	, the system prompts the admin to

Requirements:	1. The messaging system should ensure privacy, and messages should be stored securely for reference purposes.
- 0	
5. Sponsor A	cceptance
Approved by the Project S	ponsor:
(During Comme)	Date:
<project sponsor=""> <project sponsor="" title=""></project></project>	