
DitShev

GoaTalks
Use-case Specification

Version 1.0

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Revision History

Date	Version	Description	Author
14/11/2023	1.0	First Version	All

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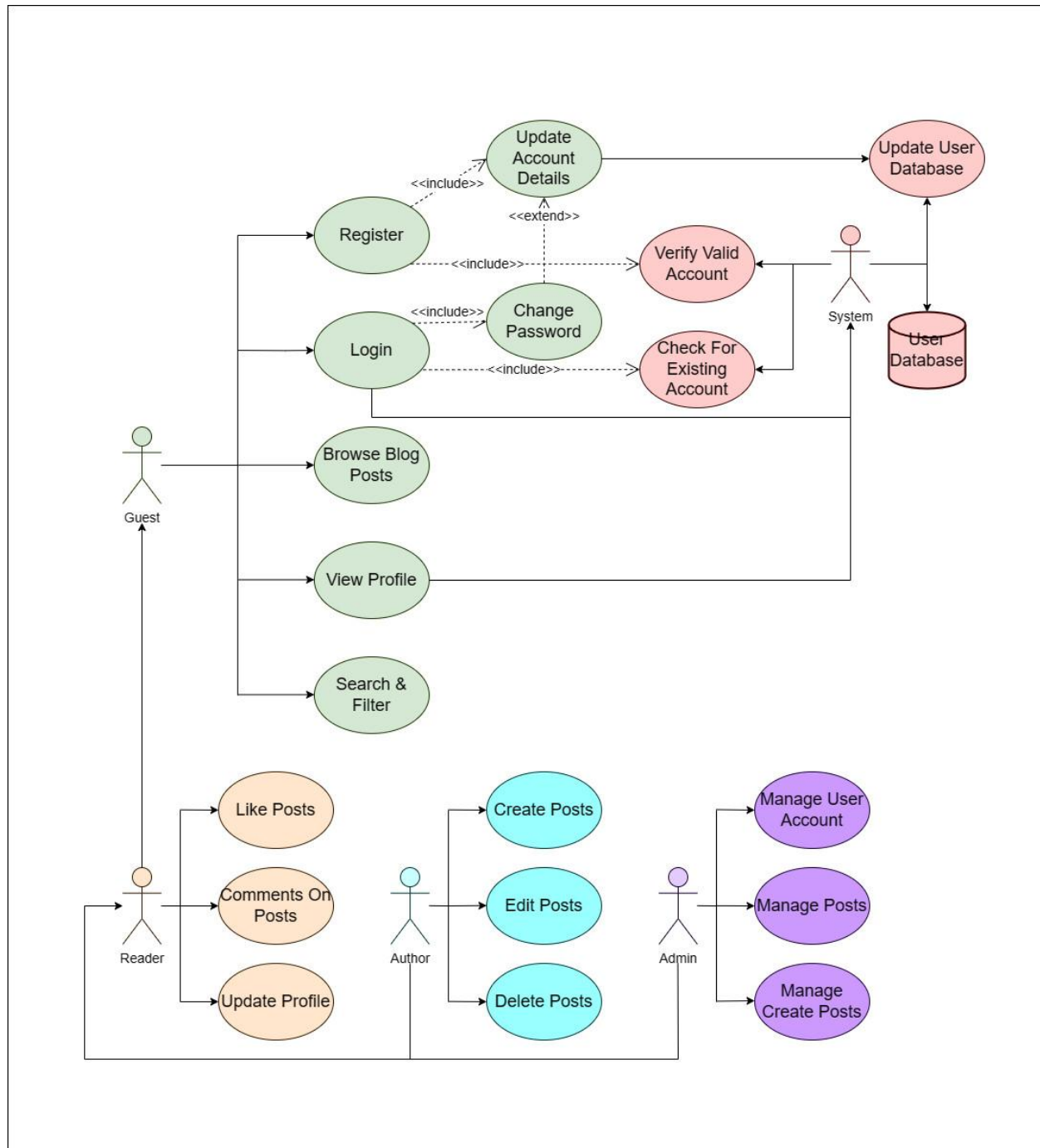
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Vision (Small Project)

1. UML Use-case Diagram



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2. Use-case Specification

2.1 Authorization

2.1.1 Register

	User Registration
Actors	- User (Author, Reader) - Admin
Description	A new user wants to register an account on the blogging website.
Flow	<ol style="list-style-type: none"> 1. Guest navigates to the registration page. 2. Guest provides required information (username, email, password). 3. System validates the information. 4. If validation is successful, the system creates a new user account. 5. The system sends a confirmation email to the user. 6. User confirms the email address.
Alternate Flow	If the provided information is invalid, the system prompts the user to correct the errors
Exception Flow	If the email confirmation is not received within a specified time, the system prompts the user to request another confirmation email.

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2.1.2 Log in

	User Login
Actors	- Registered User - Admin
Description	A registered user wants to log in to their account.
Flow	1. User navigates to the login page. 2. User enters their username and password. 3. The system validates the credentials. 4. If validation is successful, the system logs in the user.
Alternate Flow	If the entered credentials are incorrect, the system prompts the user to enter valid information.

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2.1.3 Change password

	Change Password
Actors	- Logged-in User - Admin
Description	A logged-in user wants to change their password for security reasons or as part of routine maintenance.
Pre-conditions	The user is logged into their account.
Flow	<ol style="list-style-type: none"> 1. User navigates to the "Account Settings" or "Change Password" section. 2. System prompts the user to enter their current password for verification. 3. User enters their current password. 4. System validates the current password. <ul style="list-style-type: none"> • If validation fails, the system notifies the user and the use-case ends. • If validation is successful, the user proceeds to the next step. 5. User enters a new password and confirms it. 6. System validates the new password against specified criteria (e.g., length, complexity). <ul style="list-style-type: none"> • If validation fails, the system notifies the user and the use case ends. • If validation is successful, the user's password is updated. 7. The system confirms the successful password change to the user.
Alternate Flo	If the user fails to provide the correct current password, the system notifies them and prompts them to try again.
Exception Flow	If the system encounters technical issues during the password change process, it notifies the user about the problem and advises them to try again later.
Post-conditions	The user's password is successfully changed, and they can log in using the new credentials.

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2.2 Browse Blog Posts

	Browse Blog Posts
Actors	<ul style="list-style-type: none"> - Guest and Logged-in User - Admin
Description	A user wants to browse and read blog posts.
Flow	<ol style="list-style-type: none"> 1. User navigates to the "Browse" or "Home" page. 2. The system displays a list of recent blog posts. 3. User clicks on a post to view its full content.
Alternate Flow	If the system cannot retrieve posts, it displays an appropriate message.

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2.3 Create Posts

	Create Blog Posts
Actors	- Logged-in User
Description	A logged-in user wants to create a new blog post.
Flow	<ol style="list-style-type: none"> 1. User navigates to the "Create Post" page. 2. User enters the title, content, and any relevant details. 3. System validates the content. 4. If validation is successful, the system creates the blog post and associates it with the user's account.
Alternate Flow	If the entered content is invalid, the system prompts the user to correct errors.

2.4 Comment On Posts

	Comment On Posts
Actors	- Logged-in User
Description	A logged-in user wants to leave a comment on a blog post.
Flow	<ol style="list-style-type: none"> 1. User navigates to a blog post. 2. User enters a comment in the provided field. 3. The system validates the comment. 4. If validation is successful, the system adds the comment to the post.
Alternate Flow	If the entered content is invalid, the system prompts the user to correct errors.

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2.5 Like A Post

	Like A Post
Actors	- Logged-in User
Description	A logged-in user wants to express appreciation for a blog post by liking it.
Pre-conditions	1. The user is logged into their account. 2. The user is viewing a specific blog post.
Flow	1. User navigates to the blog post they want to like. 2. User clicks on the "Like" button associated with the post. 3. The system records the user's like for the specific post.
Alternate Flow	If the user has already liked the post, clicking the "Like" button again may toggle the like status (like/unlike).
Exception Flow	If the system encounters technical issues during the liking process, it notifies the user about the problem and advises them to try again later.
Post-conditions	The user's like is successfully recorded for the blog post.

2.6 Edit / Delete Post

	Edit / Delete Post
Actors	- Author
Description	The author of a blog post wants to edit or delete their own post.
Flow	1. Author navigates to their blog post. 2. Author selects the option to edit or delete. 3. If editing, the system allows the author to modify the post content. 4. If deleting, the system prompts the author for confirmation. 5. After confirmation, the system either updates the post or deletes it.
Alternate Flow	If the system encounters issues with editing or deleting, it provides an appropriate error message.

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2.7 Search and Filter Posts

	Search and Filter Posts
Actors	- Guest and Logged-in User
Description	A user wants to find specific blog posts or narrow down the list of displayed posts based on certain criteria.
Pre-conditions	The user is on the "Browse" or "Search" page of the blogging website.
Flow	<ol style="list-style-type: none"> 1. User navigates to the search/filter interface on the website. 2. User enters search keywords, filters, or selects sorting options. 3. The system processes the user's input and retrieves relevant blog posts. 4. The system displays the filtered or searched blog posts according to the user's criteria.
Alternate Flow	If there are no matching results, the system informs the user and suggests modifying the search or filter criteria.
Exception Flow	If there are technical issues during the search/filter process, the system displays an error message and advises the user to try again later.
Post-conditions	The user sees a list of blog posts that match the specified search or filter criteria.

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2.8 Manage User Account

	Manage User Account
Actors	- Logged-in User
Description	A logged-in user wants to manage various aspects of their user account, including updating personal information, changing account settings, and reviewing account activity.
Pre-conditions	The user is logged into their account.
Flow	<ol style="list-style-type: none"> 1. User navigates to the "Account Settings" or "Manage Account" section. 2. User is presented with options to manage different aspects of their account, such as: <ul style="list-style-type: none"> ● Update Personal Information: <ol style="list-style-type: none"> 2.1 User selects the option to update personal information. 2.2 User modifies relevant details like name, email, or profile picture. 2.3 System validates the updated information. 2.4 If validation is successful, the system updates the user's account information. ● Change Password: <ol style="list-style-type: none"> 2.1 User selects the option to change the password (see the "Change Password" use case for detailed steps). ● Notification Preferences: <ol style="list-style-type: none"> 2.1 User selects the option to manage notification preferences. 2.2 User specifies the types of notifications they want to receive. 2.3 System updates the user's notification settings accordingly. ● Review Account Activity: <ol style="list-style-type: none"> 2.1 User selects the option to review account activity. 2.2 System displays a log of recent account activity, such as login history. ● Deactivate Account: <ol style="list-style-type: none"> 2.1 User selects the option to deactivate their account. 2.2 System prompts the user to confirm the account deactivation. 2.3 If confirmed, the system deactivates the user's account.
Alternate Flow	If the user encounters any issues during the management process, the system provides appropriate error messages and guidance.
Exception Flow	If the system encounters technical issues during any account management operation, it notifies the user about the problem and advises them to try again later.

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Post-conditions	The user's account information is updated, notification preferences are modified, account activity is reviewed, or the account is deactivated based on the selected option.
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