

Requirement Document For Blog_Flask_1

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1... Introduction

For this project, I will be creating a discussion forum(something like Reddit) that allows Users to join communities to discuss their interests. A user is allowed to join multiple communities and post up discussions in those communities. The user can post videos, pictures and links on the discussions.

Other users can join in the discussion and comment on it. The other users can like and dislike any comments, and upvote and downvote any discussions. The upvote and downvote allows users to sort the most popular and unpopular topic in the community.

2... Customers, Users, and Stakeholders

Customers and the Users are people with internet access and interested in joining a community to share their hobbies and interests. The Stakeholders are the founders of such communities or Users that want to do business in the community.

3... Use Cases

Use Case #1:

Name	About
Users	All Users and Visitors
Rationale	The about page will give information to the users and visitors about what the website is supposed to be and why they should join.
Triggers	When a user or visitor first entered the website.
Preconditions	None
Actions	None
Postconditions	None
Acceptance Tests	None
Iteration	1

Use Case #2:

Name	Registration
Users	All Users
Rationale	Before any user can join a community, post a discussion and make a comment, the user needs to create an account such that each comment, discussion and community that the user makes can be associated back to the user.
Triggers	The user clicks on 'Registration' either at the navigation bar or at the login page.
Preconditions	The user do not have an account
Actions	Creates an account for the user.
Postconditions	Redirects to add additional information.

Acceptance Tests	Checks whether the username and email is valid and there is no duplication.
Iteration	1

Use Case #3:

Name	Login
Users	All Users
Rationale	Allows User to login to the website
Triggers	Users click on 'Login' on the navigation bar.
Preconditions	User must have a valid account
Actions	The user will login to the website.
Postconditions	Redirects users to the Homepage
Acceptance Tests	Checks whether the information given is valid and such an account existed.
Iteration	1

Use Case #4:

Name	Homepage
Users	All Users
Rationale	Let the user know what is currently trending in all the community's discussions that the user is interested in.
Triggers	After the User login.
Preconditions	The user is logged in.

Actions	Allow the user to view trending discussions. When the user clicks on the community or discussion, it would redirect the user to the discussion or community.
Postconditions	Redirects the user to the community or discussion
Acceptance Tests	Checks whether the community or discussion still exists.
Iteration	2

Use Case #5:

Name	Account Update
Users	Current User
Rationale	Users will be able to update their account information such as email, username, etc.
Triggers	Users click on their account icon.
Preconditions	The user is logged in with a valid account.
Actions	Updates the user information with recent information given by the current user.
Postconditions	Redirects to the homepage and flashes a message that the account has been updated.
Acceptance Tests	Checks whether the information given by the current user is valid.
Iteration	2

Use Case #6:

Name	Create a community
Users	All Users
Rationale	All users are able to create a community to let other users join in.
Triggers	Click on the 'create a community' in the homepage
Preconditions	User must be logged in

Actions	Create a new community
Postconditions	Redirects to enter new additional information for the community.
Acceptance Tests	Checks whether such a community existed already.
Iteration	1

Use Case #7:

Name	Join a community
Users	All Users
Rationale	Allows users to join into a community so that they can start sharing.
Triggers	Clicks on 'Join a Community'
Preconditions	User must have an account and have not join that community
Actions	User join that community
Postconditions	Redirects user to the community homepage
Acceptance Tests	Checks whether such a community existed
Iteration	1

Use Case #8:

Name	Create a discussion
Users	All User
Rationale	Allows users to open up a discussion.
Triggers	Click on the create a discussion
Preconditions	User is logged in and is in the community page.
Actions	Let user create a discussion
Postconditions	Redirects the user back to the community page and flashes that the discussion has been created.

Acceptance Tests	None
Iteration	2

Use Case #9:

Name	Delete Discussion
Users	All user
Rationale	Allow the owner of the discussion to delete the discussion.
Triggers	Click on the trash can icon
Preconditions	Must be current user
Actions	Deletes the discussion the user wants to delete
Postconditions	Redirects to the community page and flashes that the discussion has been deleted.
Acceptance Tests	None
Iteration	2

Use Case #10:

Name	Commenting on a discussion
Users	All User
Rationale	Allows all user to comment on a discussion or on a comment.
Triggers	Click on the comment icon
Preconditions	User must be logged in.
Actions	Creates a comment on the discussion.
Postconditions	Redirects the user to the discussion page
Acceptance Tests	None
Iteration	2

Use Case #11:

Name	
Users	
Rationale	
Triggers	
Preconditions	
Actions	
Postconditions	
Acceptance Tests	
Iteration	