

CVWO Assignment: Gossip with Go/Rails, Mid-assignment submission

Execution plan

Use cases

Use case	Create forum posts/comments
Rationale	The forum allows users to create their own posts/comments. This allows for the application to function as a forum.
Users	A logged-in user that wants to create a post/comment in the forum.
Preconditions	A button to create a new post/comment, and a page for creating posts.
Standard path	The user clicks on the button to create a new post/comment. The user is directed to a page to create posts/comments. The user enters the details of the post/comment into the provided fields. Then, the user submits the post/comment.
Alternative paths	<ul style="list-style-type: none">- The user cancels the creation of the post/comment if the user decides not to post.- The user is not logged in and is directed to a login/registration page in order to log in.
Postconditions	The user is directed to the previous page and the created post can be found in the forum on the successful creation of a post/comment

Use case	Update forum posts/comments
Rationale	A user wants to update a post/comment as there are changes to be made to the details to the post/comment. The user doesn't want to delete the post/comment and create a new post/comment as not all the details need to be replaced.
Users	A logged-in user that wants to update a post/comment created by themselves in the forum.
Preconditions	The user has a post/comment created by themselves, a button that directs to a page for editing posts/comments.
Standard path	The user clicks a button to update a new post/comment. The user is directed to page to edit posts/comments. The user updates the details of the post/comment into the provided fields. Then, the user submits the updated post/comment.
Alternative paths	The user cancels the updating of the post/comment if the user decides not to proceed.
Postconditions	The user is directed to the previous page and the updated post/comment can be found in the forum, on the successful updating of a post/comment

Use case	Delete forum posts/comments
Rationale	A user wants to update a post/comment as there are changes to be made to the details to the post/comment. The user doesn't want to

	delete and re-create the post/comment as not all the details need to be replaced.
Users	A logged-in user that wants to delete a post/comment created by themselves in the forum.
Preconditions	The user has a post created by themselves, a button that directs to a page for editing posts/comments.
Standard path	The user clicks a button to update a new post. The user is directed to a page to edit posts/comments. The user clicks on the button to delete the post/comment within that page. A confirmation to delete appears. The user confirms, and the post/comment is deleted.
Alternative paths	The user cancels the deletion of the post/comment if the user decides not to proceed.
Postconditions	The user is directed to the previous page and the deleted post/comment is removed from the forum, on the successful deletion of the post/comment.

Use case	Search for forum posts related to a topic
Rationale	The forum may have many posts, and it may be difficult to search for a specific post manually. The search function enables related posts to be found more efficiently.
Users	Any user that wants to find a post related to a certain topic in the forum.
Preconditions	A search bar
Standard path	The user enters relevant search terms into the search bar. The search bar uses the search terms and returns a list of related posts.
Alternative paths	The user enters tags that are related to the post instead of search terms. Then, the user searches based on the tags. A list of posts with those tags are returned.
Postconditions	The user is directed onto a page with the list of related posts.

Use case	Authentication of users
Rationale	The authentication of users allows for the logging in of users. Logged in users are able to create, update and delete posts/comments in the forum.
Users	Any user wanting to create/update/delete posts/comments
Preconditions	A button that directs users to a page to login/register.
Standard path	A user clicks on the button the login. If the user has an account, the user fills in the login details. Then, the user submits and successfully logs in.
Alternative paths	<ul style="list-style-type: none"> - A user does not have an account and registers a new account under the registration page. The user fills in registration details. The user submits and an account is created for them and is successfully logged in. - A user fills in the wrong login details and submits. The login is unsuccessful and the user is still on the login page. The user has to re-enter the details correctly to log in.
Postconditions	The user is directed to the previous page on successful login.

Overview of tools

Frontend

- React.js

Backend

- Ruby on Rails

Database

- SQLite