GUS Use Cases

This is an attempt to further define GUS use cases. It is based off prototyping that is occuring, as well as planning down the road for creating new / using existing systems.

1 System Functions

1.1 Submit New User Account

Description of the subsection.

Actors: New User, Administrator, Server

Goals: To add a new user in the GUS environment.

Preconditions: None.

Summary: A new user or an administratore navigates to the user registration page. Either enters the new user information, and then submit the information. The GUS environment performs necessary checks, and adds the user if they pass the checks.

Related use cases: New User Information Sent to GUS.

Steps:

1. New user / existing administrator fills out user registration form.

2. The submit button is pressed.

3. New User Information is Sent To GUS.

(a) If user registration by admin is set, send to pending user db queue.

(b) Otherwise, send to registered users.

4. Send user a confirmation on receipt of registration.

Alternative: User cancels submission.

Fail: User is recycled to user page with correct content inserted back into form, and an error message is displayed to indicated the problem (internal, user error).

1.2   New User Information Sent to GUS

Actions for incoming new user data.

Actors: New user / existing administrator, User Registration Page, Server

Goals: Evaluate new user information if necessary, cache the information, and then submit the user information to the Server.

Preconditions: Use case Submit New User Account completed.

Summary: New user information is recieved, and then cached (in case the database is not reachable). The cache is then submitted to be saved in the database.

Related use cases: Submit Cache To Server.

Steps:

1. Receive new user data.

2. Add data to cache data.

3. Submit Cache To Server.

- If success:

(a) Clear the cache.

(b) Go through each account entry, and send notifications to new account marked with the notify flag. Then clear flag.

- Else, notify the system administrators of database comm error.

Alternative: None.

Fail: If Submit Cache To Server fails.