**Use Case: Join Community (Implemented)**

**Participating Actors**

The use case is initiated by a visitor.

Brief Description

The use case allows the visitor the chance to create an account, by providing basic information like user name and password. This is saved and the user can log into his/her account to access saved and view previous searches.

**Flow of Events**

**Basic Flow**

1. The use case starts when the Citizen accesses the system using its home page and elects

to join the community.

2. The system asks the Citizen to provide a username and password.

3. The Citizen provides a username and password.

4. The system validates the username and password and asks the Citizen to

confirm the creation of a new user.

5. The Citizen confirms that a new user needs to be created.

6. The system creates a new Citizen member, saves his username and password,

and adds the new Citizen to the ESN directory (list of users).

7. The system welcomes the new member with a short welcome message,

including a brief explanation of the meaning of the various statuses that could

be shared and how to share a status.

[Refer to Share Status use case for more information].

8. The Citizen elects to see the directory.

9. The system displays the directory in alphabetical order, starting with all the

citizens who are online, and followed by all the citizens who are offline.

10. After verifying that he is listed in the directory, along with other citizens if applicable, the

Citizen elects to log out.

11. The system returns to its home page. The use case ends.

Alternative Flows

● A1 - Login. In step 4, if the user is already a community member (the username already

exists) and the password is correct, the system lets him in. The use case moves to step 9.

● A2. In step 4, if the username already exists but the password is incorrect (does not match

the existing username), the system informs the Citizen that he needs to re-enter the

username and/or password. The use case returns to step 3.

● A3. In step 4, if the username does not satisfy the system’s username minimum quality

requirements (defined under Username Rule below), the system asks the Citizen to provide

a different username. The use case returns to step 3.

● A4. In step 4, if the password does not satisfy the system’s password minimum quality

requirements (defined under Password Rule below), the system asks the Citizen to provide

a different password. The use case returns to step 3.

● A5. In step 5, if the Citizen does not want to create a new user, the system returns to step 2.

● A6. In step 9, if the Citizen is the first one to join the community, then he is the only one in

the directory. The use case continues with step 10.

Rules

● Username Rule: Usernames are provided by users and should be at least 3 character long.

They should not be in the list of banned usernames provided at:

http://blog.postbit.com/reserved-username-list.html.

● Password Rule: Passwords are provided by users and should be at least 4 character long.

● Basic Security: authentication should follow standard security guidelines and practices.

Passwords should not be sent in the clear, and must be encrypted. It’s up to you how to

handle authentication and reconcile it with the RESTful API.

Notes

● Question: Do we need separate buttons for logging in an existing user and creating a new

user or a single button for both?

Answer: You need only one button, say a “Submit” button. This is implicit in the use case.

The system infers whether the user is trying to login or register as a new user depending on

the flow. Alternative flow A1 is how the system guesses that the user is trying to log in

instead of trying to register as a new user, and just lets the user in.

● Question: Can the Citizen correct entry errors (in username, password, or post) after joining

the community?

Answer: No, only the Administrator can make such changes. User should eventually be able

to do so, but this is a future feature.

● Question: Can the Citizen un-join?

Answer: No, only the Administrator can cancel an account. User should eventually be able

to do so, but this is a future feature.

● Question: Could the Citizen take a “selfie” and upload it?

Answer: This is a potential future feature.