SNUwagon
Requirements and Specification

Revision Bullet List

- User Stories : added user stories for sprint 3, 4

Abstract

"SNUwagon" is a web service where users can trade minor information about life on Seoul National University's campus. SNUwagon has three main functions: questions・answers, informative posts, and evaluation of content credibility. Users who wish to acquire information can post questions, and other users who have this information can reply with answers. Users who want to deliver certain information can post informative contents. Viewers of the information can evaluate the reliability or usefulness of the content. Each user owns credits, a form of digital currency. While asking, answering, and delivering information, users transact or spend their credits. The amount of credits spent while transacting is set either by the users involved in the transaction or by the system. Users also gain or lose credits according to the evaluation of the contents they have posted.

Customer

All students and faculty members of Seoul National University are our potential users. Then we may expand our service to other universities as well.

Competitive Landscape

The most popular online community among Seoul National University students and graduates is SNULife, with 130 thousand registered users as of April, 2014. Another online community targeted towards Seoul National University students is the Facebook group 'SNU Bamboo Grove,' which has about 400 thousand followers as of April, 2018.

The biggest difference that distinguishes SNUwagon from these two existing services is that SNUwagon aims not to act as an online community but as a place only for exchanging information. The purpose of existing services is in functioning as an online community of the users, hence the difficulty in efficiently searching for a desired piece of information. On the other hand, the sole purpose of SNUwagon is information exchange, so we have ruled out all the unnecessary clutter to offer a faster and more effective way for users to search for information.

A second difference to note is the confidentiality of the information and the reward given in return for the offered information. Unlike existing services where all information is equally

open to everyone free of charge, on SNUwagon users are able to exchange information in private and trade credits for the information. This unique feature makes our service suitable for those information providers who are reluctant to share their information publicly and want to be fairly rewarded for what they offer.

User Stories

- Actor: regular user

- Story 1: Sign up page
  - Feature - Sign up
  - Scenario - Sign up and go to Sign In page
  - Iteration - Sprint 2
  - Acceptance Test
    - Given: I am on the Sign Up page
    - When: I type my email in the email box
    - And: I type my username in the username box
    - And: I type my password in the password box
    - And: I click the sign up button
    - Then: I should be signed up
    - And: I should be in Sign In page

- Story 2: Sign in page
  - Feature - Sign in
  - Scenario - Sign in and go to Index page
  - Iteration - Sprint 2
  - Acceptance Test
    - Given: I am on the Sign In page
    - When: I type my username in the email box
    - And: I type my password in the password box
    - And: I click the sign in button
    - Then: I should be signed in
    - And: I should be in Index page

- Story 3: Index page
  - Feature - Go to Post List page
  - Scenario - Go to Post List page by clicking button
  - Iteration - Sprint 2
  - Acceptance Test
    - Given: I am on the Index page
    - When: I click Post List button
    - Then: I should be in Post List page

- Story 4: Index page
  - Feature - Go to Question Write page
  - Scenario - Go to Question Write page by clicking button

- Iteration - Sprint 2
- Acceptance Test
  - Given: I am on the Index page, signed in
  - When: I click Write Question button
  - Then: I should be in Question Write page

- Story 5: Index page
  - Feature - Go to Information Write page
  - Scenario - Go to Information Write page by clicking button
  - Iteration - Sprint 2
  - Acceptance Test
    - Given: I am on the Index page
    - When: I click Write Information button
    - Then: I should be in Information Write page

- Story 6: Index page
  - Feature - Go to Search page
  - Scenario - Go to Search page by clicking button
  - Iteration - Sprint 2
  - Acceptance Test
    - Given: I am on the Index page
    - When: I click Search button
    - Then: I should be in Search page

- Story 7: Index page
  - Feature - Go to Question page
  - Scenario - Go to Question page by clicking question chip
  - Iteration - Sprint 3
  - Acceptance Test
    - Given: I am on the Index page
    - When: I click recent question chip
    - Then: I should be in Question page

- Story 8: Index page
  - Feature - Go to Information page
  - Scenario - Go to Information page by clicking information chip
  - Iteration - Sprint 3
  - Acceptance Test
    - Given: I am on the Index page
    - When: I click sponsored information chip
    - Then: I should be in Information page

- Story 9: Question Write page
  - Feature - Write a question post
  - Scenario - Fill in input fields and submit the question
  - Iteration - Sprint 3

- ○ Acceptance Test
  - ■ Given: I am on Question Write page
  - ■ When: I fill in the question title field
  - ■ And: I fill in the question content field
  - ■ And: I fill in the tags field
  - ■ And: I fill in the bounty field
  - ■ And: I fill in the due field
  - ■ And: I click the submit button
  - ■ Then: I should be in Question page showing the post I just wrote

- ● Story 10: Question page
  - ○ Feature - Delete a question post
  - ○ Scenario - Delete the question post I authored by clicking the delete button
  - ○ Iteration - Sprint 3
  - ○ Acceptance Test
    - ■ Given: I am on Question page for a question I authored
    - ■ When: I click the delete button
    - ■ Then: I should be in index page
    - ■ And: The question I deleted should not be visible from Post List

- ● Story 11: Question page
  - ○ Feature - Answer a question post
  - ○ Scenario - Answer a question post authored by another user by clicking the answer button
  - ○ Iteration - Sprint 3
  - ○ Acceptance Test
    - ■ Given: I am on Question page for a question authored by another user
    - ■ When: I click the answer button
    - ■ Then: I should be see the answer field
    - ■ When: I fill in the answer field
    - ■ And: I click the answer button
    - ■ Then: I should be in Question Page
    - ■ And: I should see the answer that I just posted

- ● Story 12: Question page
  - ○ Feature - Select an answer to a question post
  - ○ Scenario - Select an answer to a question post I authored
  - ○ Iteration - Sprint 3
  - ○ Acceptance Test
    - ■ Given: I am on Question page for a question I authored
    - ■ When: I click the select button in one of the answers
    - ■ Then: I should see the selected answer highlighted
    - ■ And: The select buttons should not be visible

- ● Story 13: Information Write page
  - ○ Feature - Write an information post

- ○ Scenario - Fill in input fields and submit the information
- ○ Iteration - Sprint 3
- ○ Acceptance Test
  - ■ Given: I am on Information Write page
  - ■ When: I fill in the information title field
  - ■ And: I fill in the information content field
  - ■ And: I fill in the hidden content field
  - ■ And: I fill in the tags field
  - ■ And: I fill in the bounty field
  - ■ And: I fill in the due field
  - ■ And: I click the submit button
  - ■ Then: I should be in Information page showing the post I just wrote

- ● Story 14: Information page
  - ○ Feature - Vote to an information
  - ○ Scenario - Vote to an information by clicking upvote/downvote button
  - ○ Iteration - Sprint 4
  - ○ Acceptance Test
    - ■ Given: I am on Information page
    - ■ When: I click the upvote/downvote button
    - ■ Then: I should be in the same Information page
    - ■ And: Number of votes should be updated with the vote I just submitted.

- ● Story 15: Post List page
  - ○ Feature - Navigate to Question/Information Page
  - ○ Scenario - Navigate to a Question/Information Page by clicking an item in Post List page
  - ○ Iteration - Sprint 3
  - ○ Acceptance Test
    - ■ Given: I am on Post List page
    - ■ When: I click an item in the list
    - ■ Then: I should be in the Question/Information page of the corresponding item I just clicked

- ● Story 16: Index page
  - ○ Feature - Search for Questions/Information
  - ○ Scenario - Search Questions/Information by title/tags
  - ○ Iteration - Sprint 3
  - ○ Acceptance Test
    - ■ Given: I am on Index page
    - ■ When: I click a search button and input title/tags
    - ■ Then: I should see the question/information list of the search results

- ● Story 17: Any Page
  - ○ Feature - Get notified by new answer on the question

- ○ Scenario - User get notified by push notification when there is new answer to the user's question.
- ○ Iteration - Sprint 4
- ○ Acceptance Test
  - ■ Given: I am on SNUwagon website(any page)
  - ■ When: There is new answer to my question
  - ■ Then: I should get notified by push notification that there is new answer to my question

- ● Story 18: Any Page
  - ○ Feature - Get notified by new question/information about interested tag
  - ○ Scenario - User get notified by push notification when there is new question/information containing tags that the user have selected to watch
  - ○ Iteration - Sprint 4
  - ○ Acceptance Test
    - ■ Given: I am on SNUwagon website(any page)
    - ■ When: There is a new question/information about the tag I have selected
    - ■ Then: I should get notified by push notification that there is new question/information about the tag

User Interface

Sign in

SNUwagon
SIGN UP

EMAIL	
ID	
PASSWD	

SIGN UP

Sign up

SNUwagon
The Ultimate Information Trading Center

ID	
PASSWD	

SIGN IN   SIGN UP

Index Page

SNUwagon   USERID | X Credits | Notifications

Ask Question   Search Question   Post Information   Search Information

New Questions
title1 / title2 / title3 / ...

Sponsored Information
title1 / title2 / title3 / ...

Popular Tags
#tag1 / #tag2 / #tag3 / ...

Ask Question

SNUwagon   USERID | X Credits | Notifications

Ask Question

Title	How can I go 301?
Tags	#tag1 #tag2 #301
Detail	How can I go 301? Is it possible? Can human live there? I want to escape
Bounty	52 credits

Post!

Question/Info List

SNUwagon   USERID | X Credits | Notifications

Recent Questions

> **title1**   #tag1 #tag2
> **title2**   #tag1
> **title3**   #tag1 #tag3
> **title4**   #tag1 #tag4
> ...

1 2 3 ...

Search

SNUwagon   USERID | X Credits | Notifications

Search Question (By tags)

🔍 #tag1

4 questions found

> **result1**   #tag1 #tag2
> **result2**   #tag1
> **result3**   #tag1 #tag3
> **result4**   #tag1 #tag4

Post Info

SNUwagon   USERID | X Credits | Notifications

Post Information

Title	How to go 301
Tags	#tag1 #tag2 #301
Detail	You can take shuttle
Price	25 credits

Post!

Question

SNUwagon   USERID | X Credits | Notifications

Q. How can I go 301? (52 credits)   #tag1 #tag2 #301

How can I go 301?
Is it possible?
Can human live there?
I want to escape

Reply1: You can take shuttle   Buy this

Reply2: Just walk   Buy this

SNUwagon

Q. How can I go 301?

How can I go 301?
Is it possible?
Can human live there?
I want to escape

Answer this question

You can take shuttle

Back to List   Answer!

Info

SNUwagon   USERID | X Credits | Notifications

How to go 301   #tag1 #tag2 #301

Buy this information
for 25 credits

Info (opened)

SNUwagon   USERID | X Credits | Notifications

How to go 301   #tag1 #tag2 #301

You can take shuttle

Was it useful?

Yes   No