Use Cases

for

<Spotter>

Version <1.2>

Prepared by <Group 8>

<BU CS 411>

<3/22/16>

Use Case List

|  |  |  |
| --- | --- | --- |
| ID | Primary Actor | Use Case Title |
| 1 | User | Log in via Spotify account |
| 2 | User | Filter feed based on user filter preferences |
| 3 | User | Search specific artist |
| 4 | User | Favorite tweet and save to profile for later viewing |
| 5 | User | Retrieve saved tweet |

Use Case 1

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case ID: | 1 | | |
| Use Case Name: | Login Access | | |
| Created By: | Ryan Walsh | Last Updated By: |  |
| Date Created: | 2/16/16 | Date Last Updated: | 2/17/16 |

|  |  |
| --- | --- |
| Actors: | User |
| Description: | User must login with User ID and Password for Spotify to access web application features. |
| Trigger: | User hits login button. |
| Preconditions: | Must have a Spotify account. |
| Postconditions: | Shows general feed of top artists from user’s Spotify playlists. |
| Normal Flow: | 1. User hits button to go to login screen. 2. User enters credentials. 3. User hits “Login” to submit credentials. 4. Spotify API accessed to validate user login credentials. 5. User is presented a personalized feed when API returns. |
| Alternative Flows: | No alternative, must pass normal flow. |
| Exceptions: | 1.0.E.1: User enters invalid login credentials and error is thrown resulting in no login. |
| Includes: | None |
| Priority: | 1 |
| Frequency of Use: | Every time web application launched. |
| Business Rules: | No stealing login credentials from other users. |
| Special Requirements: | Security of user’s login credentials. |
| Assumptions: |  |
| Notes and Issues: |  |

Use Case 2

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case ID: | 2 | | |
| Use Case Name: | Filter feed | | |
| Created By: | Jiatai Xie | Last Updated By: |  |
| Date Created: | 3/22/16 | Date Last Updated: | 3/22/16 |

|  |  |
| --- | --- |
| Actors: | User |
| Description: | Generate tweeter feed based on user’s music preferences. |
| Trigger: | User login or refresh. |
| Preconditions: | Logged in via Spotify |
| Postconditions: | Shows general feed of top artists from user’s Spotify playlists. |
| Normal Flow: | 1. User log in. 2. Obtain user’s public info on user’s Spotify account. 3. Use API to get the tweeter accounts of the artists. 4. Retrieve tweeter feed by or about these artists. 5. Show the most recent/hottest feed on the page. |
| Alternative Flows: | When user already logged in, refresh will update the feed. |
| Exceptions: | E.1: User is offline.  E.2: User’s Music list is empty. |
| Includes: | N/A |
| Priority: | High |
| Frequency of Use: | Every time the user log in or refreshes. |
| Business Rules: | N/A |
| Special Requirements: | Security of user’s login credentials. |
| Assumptions: | N/A |
| Notes and Issues: | N/A |

Use Case 3

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case ID: | 3 | | |
| Use Case Name: | Search for artists | | |
| Created By: | Jiatai Xie | Last Updated By: |  |
| Date Created: | 3/22/16 | Date Last Updated: | 3/23/16 |

|  |  |
| --- | --- |
| Actors: | User |
| Description: | User searches specific artist on Spotter in order to get the artist’s newest/hottest feed. |
| Trigger: | User input artist’s name in the search box and click search icon (or press Enter). |
| Preconditions: | User already logged in. |
| Postconditions: | Shows general feed of top artists from user’s Spotify playlists. |
| Normal Flow: | 1. User is logged in. 2. User input artist’s name in the search box. 3. click search icon (or press Enter). 4. Feed shown on the page. |
| Alternative Flows: | If users need a demo on the home page, we *may* make this feature available to users without log in. |
| Exceptions: | E.1: The artist user Entered contains invalid character(s).  E.2: The artist user Entered returns no result. |
| Includes: | None |
| Priority: | High |
| Frequency of Use: | High |
| Business Rules: | N/A |
| Special Requirements: | N/A |
| Assumptions: | N/A |
| Notes and Issues: | May be open to users without login. |

Use Case 4

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case ID: | 4 | | |
| Use Case Name: | Favorite tweet | | |
| Created By: | Jiatai Xie | Last Updated By: |  |
| Date Created: | 3/22/16 | Date Last Updated: | 3/23/16 |

|  |  |
| --- | --- |
| Actors: | User |
| Description: | User wants to save a tweet for future reading or prevent forgetting. |
| Trigger: | User click favorite bottom on a tweet. |
| Preconditions: | Tweeter feed already shown on the page. |
| Postconditions: | Tweet will be saved under user’s account, and able to be retried as long as the tweet is not deleted and the user don’t favorite it. |
| Normal Flow: | 1. There are tweets on user’s page. 2. User click favorite bottom on one of the tweet. 3. The tweet is saved under the user’s account. |
| Alternative Flows: | N/A |
| Exceptions: | E.1: The tweet was deleted between the last page loading and user’s attempt to save the tweet. |
| Includes: | N/A |
| Priority: | Medium |
| Frequency of Use: | Medium |
| Business Rules: | N/A |
| Special Requirements: | N/A |
| Assumptions: | N/A |
| Notes and Issues: | N/A |

Use Case 5

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case ID: | 5 | | |
| Use Case Name: | Review saved tweets | | |
| Created By: | Jiatai Xie | Last Updated By: |  |
| Date Created: | 3/23/16 | Date Last Updated: | 3/23/16 |

|  |  |
| --- | --- |
| Actors: | User |
| Description: | User wants to review a tweet that the user saved in the favorite directory. |
| Trigger: | User click favorite list bottom. |
| Preconditions: | User has favorited tweet(s). |
| Postconditions: | The tweets that are saved in user’s favorite list will be shown on the page |
| Normal Flow: | 1. User opens his favorites list. 2. Saved tweet(s) will be shown on the page. 3. If too many tweets were saved, user may have to scroll down to find specific tweet that the user is looking for. |
| Alternative Flows: | N/A |
| Exceptions: | E.1: User has not favorited any tweet yet. |
| Includes: | N/A |
| Priority: | Medium |
| Frequency of Use: | Medium |
| Business Rules: | N/A |
| Special Requirements: | N/A |
| Assumptions: | N/A |
| Notes and Issues: | N/A |

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Ryan Walsh + group | 2/16/16 | Creation of use case | 1.0 |
| Ryan Walsh | 2/17/16 | Minor tweaks to normal flow | 1.1 |
| Jiatai Xie | 3/22/16 | Additional Use Cases (2,3,4,5) | 1.2 |