CS 411 - Use Cases

Use Cases

For

EventApp

Version 3.0

Prepared by:

Adrian Baker

Caitlin Wurz

Chet Powers

Wenjing (Katrina) Lyu

Boston University CS411

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Primary Use Cases and Description

* Login:

This use case will be initiated by visiting the login page, or trying to access a page that requires being logged in. It will prompt the user to login with username, and password, or will link them to the page to create an account. After logging in, the user will be redirected to the login page.

* Make an account

The user will create and update their profile information by entering a username, password, and email. The account created will be used by the bookmarking system.

* Search for events

This use case covers the search feature of the website. Upon navigating to the website, the user will be prompted with a search bar. The user will also be prompted to allow geolocation, which will be used in the search. The user can enter search terms and how far away events can be, and they will receive a list of events matching these criteria. This will display basic information about the events and allow the user to bookmark an event, will give a link to purchase a ticket to the event, and will provide a link to get more data about the event, including weather and map data.

* Get information on a chosen event

This use case will display information about the event including its name, description, cost, location, date, a weather forecast for the event, and a link to purchase tickets or RSVP for the event. The user will also have the option of marking that they are interested in attending the event through bookmarking, which will be used in the popular events use case.

* Popular Events

This use case displays the events that are most popular in the user’s area, without them entering any search criteria. This will use the users’ bookmarks, determining popular events by their bookmark count.

Use Case 1

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| --- | --- | --- | --- |
| Use Case ID: | 1 | | |
| Use Case Name: | Login | | |
| Created By: | Wenjing Lyu | Last Updated By: | Wenjing Lyu |
| Date Created: | 10/31/2016 | Date Last Updated: | 10/31/2016 |

|  |  |
| --- | --- |
| Actors: | User |
| Description: | Login by creating account with username, email address, and password. |
| Trigger: | Create account button/Log in via Facebook |
| Preconditions: | App has successfully geo-located the user |
| Postconditions: | The account info has been stored into the database |
| Normal Flow: | 1.0.0 User types in username and password  1.0.1 Hit Create Account button  1.0.2 Enter the account profile |
| Alternative Flows: | 1.1.0 User choose log in with Facebook  1.1.1 Link to Facebook authorization  1.1.2 Enter the account profile |
| Exceptions: | 1.0.E.1 User enters a username that already exist in the database  The system will tell the user to change another username  1.0.E.2 User enters invalid email address  The system will tell the user that it is a invalid email address  1.0.E.3 User enters a password that doesn’t meet requirement  The system will tell the user to entered a qualified password  1.0.E.4 The user fails to pass the Facebook login authorization  Display a error message and go back to the Create Account main page |
| Includes: | N/A |
| Priority: | High |
| Frequency of Use: | At least once per app use (often) |
| Business Rules: | None |
| Special Requirements: | None |
| Assumptions: | GPS is functional |
| Notes and Issues: | If the function fails to interpret the search terms or retrieve good results, the team will share responsibility in addressing the issue. |

Use Case 2

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case ID: | 2 | | |
| Use Case Name: | Make a Profile | | |
| Created By: | Adrian Baker | Last Updated By: |  |
| Date Created: | 10/31/2016 | Date Last Updated: | 10/31/2016 |

|  |  |
| --- | --- |
| Actors: | User |
| Description: | List preferences for events in profile |
| Trigger: | User chooses the “Edit preferences” option |
| Preconditions: | User is logged into an existing account from the database |
| Postconditions: | User preferences have been updated and saved in database |
| Normal Flow: | 2.0.0 User presses “Edit Profile”  2.0.1 User is prompted to answer questions:  · What types of music do you enjoy? (Choose from list)  · What size venue do you like?  2.0.2 User presses “Save” |
| Alternative Flows: | None |
| Exceptions: | 2.0.E.1 User does not answer a question  The app informs the user that they must answer the question  2.0.E.2 App fails to contact database and update preferences  The app displays an error message and says to try again |
| Includes: | 1 |
| Priority: | Medium |
| Frequency of Use: | Should be filled out once when the user signs up (perhaps sometimes updated later on); infrequent |
| Business Rules: | None |
| Special Requirements: | None |
| Assumptions: | User is logged in |
| Notes and Issues: | If the function fails to interpret the search terms or retrieve good results, the team will share responsibility in addressing the issue. |

Use Case 3

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case ID: | 3 | | |
| Use Case Name: | Event Search | | |
| Created By: | Everyone | Last Updated By: | Everyone |
| Date Created: | 10/2/2016 | Date Last Updated: | 10/2/2016 |

|  |  |
| --- | --- |
| Actors: | User |
| Description: | Search for nearby events according to chosen criteria |
| Trigger: | User navigates to search page |
| Preconditions: | 1. App has successfully geolocated the user |
| Postconditions: | 1. Events have been fetched |
| Normal Flow: | 3.0.0 User types in keywords  3.0.1 Hit search button  3.0.2 Results appear on screen |
| Alternative Flows: | 3.1.0 User logs in (app remembers preferences)  3.1.1 User types in keywords  3.1.2 Hit search button  3.1.3 Results appear on screen |
| Exceptions: | 3.0.E.1 User does not enter a search query  The system will tell the user that the search query is invalid.  3.0.E.2 No events are found  The system will display a page saying no events were found, and suggest that the user edit preferences/search options to be more generic.  3.0.E.3 The user does not have GPS enabled or GPS location does not work correctly  The website will prompt the user to enable GPS location, and notify the user that their location could not be found (in case of GPS issues).  3.0.E.4 Any other error preventing the service from conducting an event search  Display a static error message and log the circumstances under which the failure occurred for further investigation. |
| Includes: | 3 and 4 |
| Priority: | High |
| Frequency of Use: | At least once per app use (often) |
| Business Rules: | N/A |
| Special Requirements: | N/A |
| Assumptions: | GPS is functional |
| Notes and Issues: | If the function fails to interpret the search terms or retrieve good results, the team will share responsibility in addressing the issue. |

Use Case 4

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| --- | --- | --- | --- |
| Use Case ID: | 4 | | |
| Use Case Name: | Get Info on Event | | |
| Created By: | Caitlin | Last Updated By: | Caitlin |
| Date Created: | 10/31/2016 | Date Last Updated: | 10/31/2016 |

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| --- | --- |
| Actors: | User |
| Description: | Hit API and gather specific information on Event |
| Trigger: | 1. User clicks on the Event |
| Preconditions: | 1. Event Title is displayed on screen 2. User has clicked on the Event Title |
| Postconditions: | 1. Information about the Event was correctly retrieved from the API |
| Normal Flow: | 4.0.0 Event Title (w/ link) is displayed on search page  4.0.1 User clicks on Event title/ link  4.0.2 API associated with event is hit for more information  4.0.3 Information is filtered and returned to Main page  4.0.4 Details about the event are displayed on main page |
| Alternative Flows: | 4.1.1 Popular Event Title (w/ link) is displayed on front page  4.1.2 User clicked Event Title  4.1.3 Additional information on event is retrieved from API  4.1.4 Details about event are displayed on front page |
| Exceptions: | 4.0.E.1 No additional information about event is retrieved from DB hit  Basic information already displayed on the main page about the event remains with note explaining no more additional information about this event was found |
| Includes: | Use case 3 and 5 |
| Priority: | High |
| Frequency of Use: | At least once per app use |
| Business Rules: | N/A |
| Special Requirements: | N/A |
| Assumptions: | N/A |
| Notes and Issues: | Which specific information we are hitting the DB is still unknown |

Use Case 5

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| --- | --- | --- | --- |
| Use Case ID: | 5 | | |
| Use Case Name: | Popular Events | | |
| Created By: | Chet Powers | Last Updated By: | Chet Powers |
| Date Created: | 10/31/2016 | Date Last Updated: | 10/31/2016 |

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| --- | --- |
| Actors: | User |
| Description: | The main page of the site will suggest popular events to the user without them having to search for these events. |
| Trigger: | 1. Navigation to the index page |
| Preconditions: | 1. App has successfully geolocated the user |
| Postconditions: | 1. Popular local events have been displayed to the user. |
| Normal Flow: | 5.0.0 User navigates to the page.  5.0.1 User is geolocated.  5.0.2 Nearby events are found.  5.0.3 These events are displayed to the user. |
| Alternative Flows: | 5.1.0 User logs in.  5.1.1 User navigates to the index page.  5.1.2 User is geolocated.  5.1.3 Nearby events are found.  5.1.4 Results are filtered by user’s preferences  5.1.5 These events are displayed to the user. |
| Exceptions: | 5.0.E.1 User can not be geolocated  The system will prompt the user to enable GPS location and notify the user that their location could not be found.  5.0.E.2 There are no local events, or all local events have been filtered out.  Inform the user that no local events could be found, and suggest that the user edit their preferences if they want to find events.  5.0.E.3 Any other error preventing the service from conducting an event search  Display a static error message and log the circumstances under which the failure occurred for further investigation. |
| Includes: | 4. Displays some info on the events that were found. |
| Priority: | Low |
| Frequency of Use: | At least once per use of the site, since it’s on the index page |
| Business Rules: | N/A |
| Special Requirements: | N/A |
| Assumptions: | GPS is functional |
| Notes and Issues: | N/A |

Revision History

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Everyone | 10/2/16 | Initial creation | 1 |
| Everyone | 10/31/16 | Revised use cases, finished remaining | 2 |
| Chet | 12/3/16 | Updated use cases at the top of the document | 3 |

Use Case List

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| --- | --- | --- |
| ID | Primary Actor | Use Case Title |
| 1 | User | Login Page |
| 2 | User | Make an account |
| 3 | User | Event Search |
| 4 | User | Get Info on Event |
| 5 | User | Popular Events |