Use Cases

**for**

Blazr

Version 0.0.2

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11/2/16

# **Guidance for Use Case Template**

Document each use case using the template shown in the Appendix. This section provides a description of each section in the use case template.

# **Use Case Identification**

## Use Case ID

Give each use case a unique integer sequence number identifier. Alternatively, use a hierarchical form: X.Y. Related use cases can be grouped in the hierarchy.

## Use Case Name

State a concise, results-oriented name for the use case. These reflect the tasks the user needs to be able to accomplish using the system. Include an action verb and a noun. Some examples:

* View part number information.
* Manually mark hypertext source and establish link to target.
* Place an order for a CD with the updated software version.

## Use Case History

### **Created By**

Supply the name of the person who initially documented this use case.

### **Date Created**

Enter the date on which the use case was initially documented.

### **Last Updated By**

Supply the name of the person who performed the most recent update to the use case description.

### **Date Last Updated**

Enter the date on which the use case was most recently updated.

# **Use Case Definition**

## Actors

An actor is a person or other entity external to the software system being specified who interacts with the system and performs use cases to accomplish tasks. Different actors often correspond to different user classes, or roles, identified from the customer community that will use the product. Name the actor that will be initiating this use case and any other actors who will participate in completing the use case.

## Trigger

Identify the event that initiates the use case. This could be an external business event or system event that causes the use case to begin, or it could be the first step in the normal flow.

## Description

Provide a brief description of the reason for and outcome of this use case, or a high-level description of the sequence of actions and the outcome of executing the use case.

## Preconditions

List any activities that must take place, or any conditions that must be true, before the use case can be started. Number each precondition. Examples:

1. User’s identity has been authenticated.
2. User’s computer has sufficient free memory available to launch task.

## Postconditions

Describe the state of the system at the conclusion of the use case execution. Number each postcondition. Examples:

1. Document contains only valid SGML tags.
2. Price of item in database has been updated with new value.

## Normal Flow

Provide a detailed description of the user actions and system responses that will take place during execution of the use case under normal, expected conditions. This dialog sequence will ultimately lead to accomplishing the goal stated in the use case name and description. This description may be written as an answer to the hypothetical question, “How do I <accomplish the task stated in the use case name>?” This is best done as a numbered list of actions performed by the actor, alternating with responses provided by the system. The normal flow is numbered “X.0”, where “X” is the Use Case ID.

## Alternative Flows

Document other, legitimate usage scenarios that can take place within this use case separately in this section. State the alternative flow, and describe any differences in the sequence of steps that take place. Number each alternative flow in the form “X.Y”, where “X” is the Use Case ID and Y is a sequence number for the alternative flow. For example, “5.3” would indicate the third alternative flow for use case number 5.

## Exceptions

Describe any anticipated error conditions that could occur during execution of the use case, and define how the system is to respond to those conditions. Also, describe how the system is to respond if the use case execution fails for some unanticipated reason. If the use case results in a durable state change in a database or the outside world, state whether the change is rolled back, completed correctly, partially completed with a known state, or left in an undetermined state as a result of the exception. Number each alternative flow in the form “X.Y.E.Z”, where “X” is the Use Case ID, Y indicates the normal (0) or alternative (>0) flow during which this exception could take place, “E” indicates an exception, and “Z” is a sequence number for the exceptions. For example “5.0.E.2” would indicate the second exception for the normal flow for use case number 5.

## Includes

List any other use cases that are included (“called”) by this use case. Common functionality that appears in multiple use cases can be split out into a separate use case that is included by the ones that need that common functionality.

## Priority

Indicate the relative priority of implementing the functionality required to allow this use case to be executed. The priority scheme used must be the same as that used in the software requirements specification.

## Frequency of Use

Estimate the number of times this use case will be performed by the actors per some appropriate unit of time.

## Business Rules

List any business rules that influence this use case.

## Special Requirements

Identify any additional requirements, such as nonfunctional requirements, for the use case that may need to be addressed during design or implementation. These may include performance requirements or other quality attributes.

## Assumptions

List any assumptions that were made in the analysis that led to accepting this use case into the product description and writing the use case description.

## Notes and Issues

List any additional comments about this use case or any remaining open issues or TBDs (To Be Determineds) that must be resolved. Identify who will resolve each issue, the due date, and what the resolution ultimately is.

**Use Case List**

|  |  |  |
| --- | --- | --- |
| ***ID*** | Primary Actor | Use Case Title |
| 1 | Applicant | Applicant Browse |
| 2 | Applicant | Editing user profile |
| 3 | Applicant | Applicant searching for jobs |
| 4 | Employer | Employer viewing matches |
| 5 | Applicant/Employer | Login/logout |

Use cases include: login/logout, editing user profile, editing company profile, editing job profile, applicants browsing for jobs, applicants searching for jobs, employers viewing matches, employers receiving applicant info post-match.  Some use cases are specific to users and some to employers.

Use case 1 involves the applicant browsing for jobs.  Browsing is when users will be swiping through job descriptions one by one, which is different from the search use case where they will be able to search specific job positions and names.  Applicants have the choice of giving each job a thumbs up or a thumbs down, after which they can view the next job description, and so on.  “Likes” will be stored in the database for applicants to review later, and companies/employers to view.

**Use Case Template**

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case ID: | 1 | | |
| Use Case Name: | Applicant browse | | |
| Created By: | Brian, Lida, Ebrahim, Kyle | Last Updated By: | Perry D |
| Date Created: | 10/3/16 | Date Last Updated: | 10/5/16 |

|  |  |
| --- | --- |
| Actors: | Applicants |
| Description: | Function for applicants to browse and swipe through job positions |
| Trigger: | User on homepage |
| Preconditions: | Must be logged in, has met profile setup criteria |
| Postconditions: | Employers have received match information, list of followed job positions for user has been updated |
| Normal Flow: | 1.0  1. User opens browse page  2. Show the user a job  3. User reads description  4. Mark as interested or not  5. Save interest to database  6. Show next job |
| Alternative Flows: | 1.1  1. User opens browse page  2. Show the user a job  3. User reads description and opens job/company profile page.  4. Show job/company profile page  5. Mark as interested or not  6. Save interest to database  7. Show next job |
| Exceptions: | 1.0.E.2 No positions left to show user  1.0.E.3 Company did not provide job/profile information  1.0.E.6 No positions left to show user  1.1.E.2 No positions left to show user  1.1.E.3 Company did not provide job/profile information  1.1.E.4 Company did not provide job/profile information  1.1.E.6 No positions left to show user |
| Includes: | Click on home button |
| Priority: | Very high |
| Frequency of Use: | ~ 60% |
| Business Rules: | -- |
| Special Requirements: | Must be aesthetically appealing.  Must display results within a reasonable span of time. |
| Assumptions: | This is the main use case for the web app. |
| Notes and Issues: | Implementation of swiping is still not fully determined. |

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Brian, Lida, Ebrahim, Kyle | 11/2/16 | Added descriptions for all 5 use cases. | 0.0.2 |
|  |  |  |  |

Use case 2 involves editing the user profile. Applicants/users can edit their profile so that employers can see their information.  Information they can edit: name, email, They may upload their resume and answer questions that are used to see how well they match with jobs.  The resume will be sent to the employer if the user chooses to apply to the employer’s job listing.

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case ID: | 2 | | |
| Use Case Name: | Editing user profile | | |
| Created By: | Brian, Lida, Ebrahim, Kyle | Last Updated By: | Brian |
| Date Created: | 10/31/16 | Date Last Updated: | 10/31/16 |

|  |  |
| --- | --- |
| Actors: | Applicants |
| Description: | Editing personal user profile |
| Trigger: | User on home page |
| Preconditions: | Must be logged in, has met profile setup criteria |
| Postconditions: | Updated user profile |
| Normal Flow: | 2.0     1. User opens profile page     2. Profile page displayed     3. User clicks “Edit” button     4. Fields are made editable     5. User edits fields, uploads new resume, or answers more questions.     6. User clicks “Save” button     7. All information saved to the database     8. Fields are made non-editable again |
| Alternative Flows: |  |
| Exceptions: | 2.0.E.6 Certain fields contain invalid input |
| Includes: |  |
| Priority: | High |
| Frequency of Use: | 10%, once or zero times a visit |
| Business Rules: | -- |
| Special Requirements: | Must be aesthetically pleasing.  Must update information without reloading the web page. |
| Assumptions: | The user must provide more information to find their match percentage with jobs, and update information as time passes (i.e. new resume). |
| Notes and Issues: |  |

Use case 3 involves the applicant job search feature which allows an applicant to search for jobs manually. Search will be based on keywords. The user will be able to browse the results and view them in more detail.

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| --- | --- | --- | --- |
| Use Case ID: | 3 | | |
| Use Case Name: | Applicant Job Search | | |
| Created By: | Brian, Lida, Ebrahim, Kyle | Last Updated By: | Ebrahim |
| Date Created: | 10/31/16 | Date Last Updated: | -- |

|  |  |
| --- | --- |
| Actors: | Applicants |
| Description: | Function for applicants to search then browse jobs. |
| Trigger: | User enters a word or phrase into the search bar. |
| Preconditions: | Must be logged in, has met profile setup criteria. Search entry is non-trivial (e.i. Not empty) |
| Postconditions: | Applicant must be able to return to home / browse page |
| Normal Flow: | 3.0     1. User clicks on search bar     2. User types entry and presses search button or presses enter     3. New screen is loaded where search results will be displayed. While retrieving results, show loading icon, otherwise list results.     4. List of jobs appear.     5. User scrolls through them and can click on them to view more detail.     6. User may choose to apply or reject job from results screen. |
| Alternative Flows: | 3.1     1. User clicks on search bar     2. User types entry and presses search button or presses enter     3. New screen is loaded where search results will be displayed. While retrieving results, show loading icon.     4. No jobs match user entry.     5. Display error     6. User can retry or go to previous page. |
| Exceptions: | 3.0.E.3 No matching results |
| Includes: | Enter search term |
| Priority: | High medium |
| Frequency of Use: | 30% |
| Business Rules: | -- |
| Special Requirements: | Must be aesthetically pleasing.  Must display results within a reasonable span of time. |
| Assumptions: | This will be very useful but not essential. |
| Notes and Issues: | How to display neatly |

Use case 4: Employers viewing matches. After an applicant chooses to apply for a position, they are inserted into the ranked list of applicants that the employers have access to. Use case 4 involves the employers viewing this ranked list.

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| --- | --- | --- | --- |
| Use Case ID: | 4 | | |
| Use Case Name: | Employers viewing matches | | |
| Created By: | Brian, Lida, Ebrahim, Kyle | Last Updated By: | Lida |
| Date Created: | 10/31/16 | Date Last Updated: | 11/1/16 |

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| --- | --- |
| Actors: | Employers |
| Description: | Employers viewing ranked list of matches of applicants |
| Trigger: | Employer accesses page of matches from profile |
| Preconditions: | Employer has an account, is logged in |
| Postconditions: | Employer returns to profile or logs out |
| Normal Flow: | 4.0     1. Employers accesses profile     2. Employer clicks on “View Applicants”    button     3. Employer views ranked list of applicants     4. Employer exits list |
| Alternative Flows: | 4.1     1. Employers accesses profile     2. Employer clicks on “View Applicants”    button     3. Employer views ranked list of applicants     4. Employer clicks on an applicant and is taken to their profile |
| Exceptions: | 4.0.E.3 Employer does not have any applicants |
| Includes: |  |
| Priority: | Medium high |
| Frequency of Use: | Very high for employers, not accessed by applicants |
| Business Rules: | -- |
| Special Requirements: | Must be aesthetically pleasing; must be updated in realtime as applicants swipe right on positions |
| Assumptions: | The employers have already created a profile and have posted a job listing |
| Notes and Issues: | Multiple lists if employers have posted more than one position? |

Use Case 5: Login/Logout

Upon opening the app, users will be faced with the login screen. Once the user logs in, they will be brought to the browse screen, where they can start to look through either jobs or employees based on the account type. Additionally, a “Logout” button will be accessible from any page once a user is signed in. This can be clicked at any time, and when it is, the user is returned to the login screen.

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| --- | --- | --- | --- |
| Use Case ID: | 5 | | |
| Use Case Name: | Login/Logout | | |
| Created By: | Brian, Lida, Ebrahim, Kyle | Last Updated By: | Kyle |
| Date Created: | 10/31/16 | Date Last Updated: | 11/1/16 |

|  |  |
| --- | --- |
| Actors: | Applicants and Employers |
| Description: | Function for users to access their accounts and protect their accounts when finished. |
| Trigger: | Login triggered upon opening of the app. Logout triggered upon clicking the “Logout” button on any page. |
| Preconditions: | Login: No user is currently logged in  Logout: A user must be logged in |
| Postconditions: | Login: User has access to the entire app  Logout: User has access to the login screen |
| Normal Flow: | 1. User opens app 2. User enters account information. 3. User clicks “Log In”. 4. User sees Browse page. 5. User clicks “Log Out”. 6. User is brought back to Login screen. |
| Alternative Flows: | 5.1. User has not made an account and clicks “Create Account”.  5.2. User is prompted to enter their name, enter their email address and attach their resume (other info is also available to enter, however these 3 requirements are the minimum for an active account).  5.3. User clicks “Done”  5.4. User is brought to browse page. |
| Exceptions: | 5.2.E.1. User has entered invalid info or has not entered enough info.  5.2.E.2. User has entered an email address that is already in use. |
| Includes: | -- |
| Priority: | Very High |
| Frequency of Use: | 100% |
| Business Rules: | -- |
| Special Requirements: | Must be aesthetically pleasing.  Must display results within a reasonable span of time. |
| Assumptions: | Users are still logged in when they exit the app. When they return to the app, they will see the same page as when they left. |
| Notes and Issues: | -- |