

Distributed Resume Management System
(DRMS)
Use Case Specification

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1 Objective

The goal of this document is to enumerate the different use cases for the Distributed Resume Management System, or Distrimon. The use cases listed here will be described in further detail in separate documents, one per use case.

2 Primary Actor

There are three main actors who participate in the use cases. They are:

2.1 Job Applicant

The person using the Distrimon system to search and apply for jobs. We do not distinguish between a job applicant accessing Distrimon through the central website or the website of a Partner Employer.

2.2 Partner Employer

An employer who has subscribed to the Distrimon service, or a representative of such an employer. The representative could be a human being (human resources staff, hiring manager) or a software system (in-house hiring management program).

2.3 Non-partner Employer

An employer who has not subscribed to the Distrimon service, or a representative of such an employer. The representative will almost always be human, as we do not provide a software interface for non-partner employers to use.

3 Use Case Diagrams

The use case diagrams below show the use cases and the actors who interact with each use case. The use cases are separated into three use case diagrams by primary actor.

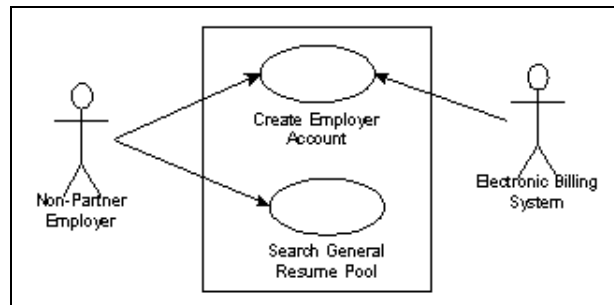


Figure 1. Use Cases with Non-Partner Employer as Primary Actor

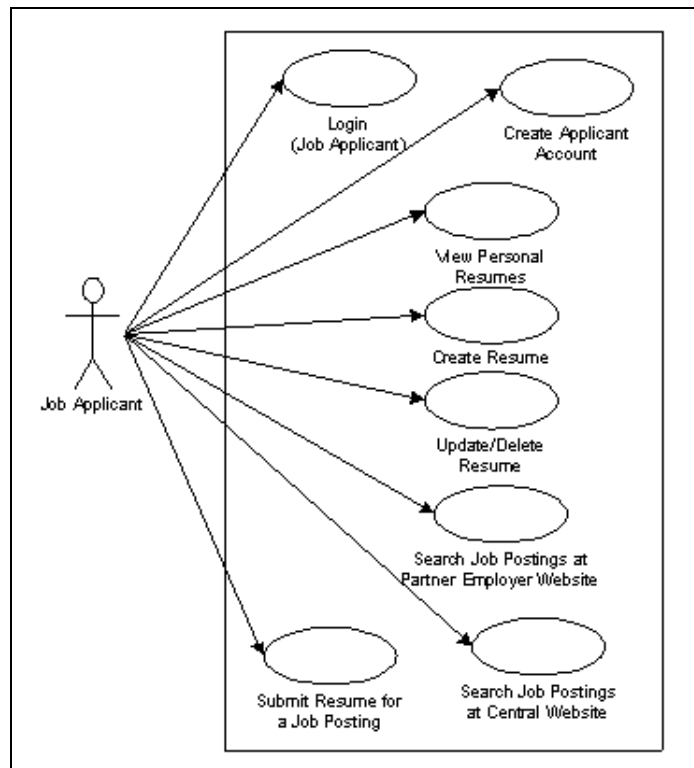


Figure 2. Use Cases with Job Applicant as Primary Actor

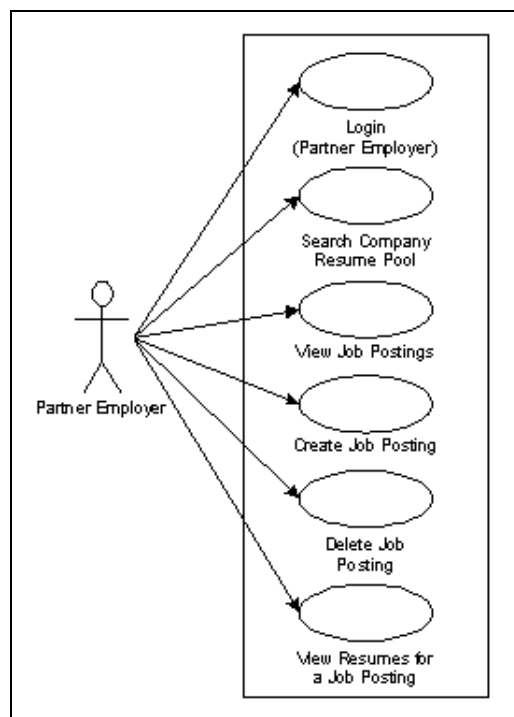


Figure 3. Use Cases with Partner Employer as Primary Actor

4 Use Case Descriptions

The use cases for Distrimon are described below:

R.1 Create Employer Account

R.1.1 Brief description

This use case allows an Non-Partner Employer to become a Partner Employer.

R.1.2 Primary Actor

Non-Partner Employer

R.1.3 Secondary Actor

Electronic Billing System

R.1.4 Pre-conditions

None

R.1.5 Trigger

A Non-Partner Employer selects Create Employer Account from the Distrimon homepage.

R.1.6 Typical Flow of Events

1. The system asks the Non-Partner Employer for some basic information, such as company name, location, type of business, number of employees, contact information,etc.
2. The Non-Partner Employer provides the requested information.
3. The system prompts the Non-Partner Employer for the customization options to be applied to his/her part of Distrimon.
4. The Non-Partner Employer chooses the desired customization options.
5. The system asks the Non-Partner Employer for billing information.
6. The Non-Partner Employer provides credit card information for billing purposes.
7. The system sends the credit card information to the Electronic Billing System for verification.
8. The Electronic Billing System notifies the system that the credit card information has been successfully verified.
9. The system informs the Non-Partner Employer that registration has been successfully completed.
10. The system e-mails a username and password to the contact e-mail address provided during registration, as well as a URL for linking to the Employer's part of the Distrimon website.

R.1.7 Alternate Flows

1. In steps 2, 4 or 6, the Non-Partner Employer submits incomplete or invalid information.
 - (a) The system informs the Non-Partner Employer that the information entered was incomplete or invalid.
 - (b) The system re-prompts the Non-Partner Employer to correct any incorrect or invalid entries.
2. In step 8, the Electronic Billing System is unable to verify the credit card information.
 - (a) The system informs the Non-Partner Employer that the credit card could not be verified.
 - (b) The system asks the Non-Partner Employer to re-enter the credit card information.

R.1.8 Post-conditions

1. The Non-Partner Employer is converted into a Partner Employer by the creation of entities in the various parts of Distrimon.

R.2 Search General Resume Pool

R.2.1 Brief description

This use case allows employers to search the resume repository for resumes of applicants they might be interested in hiring.

R.2.2 Primary Actor

Non-Partner Employer.

R.2.3 Pre-conditions

None

R.2.4 Trigger

A Non-Partner Employer decides to search the Distrimon general resume pool.

R.2.5 Typical Flow of Events

1. The system asks the Non-Partner Employer to limit the search using certain predefined categories and also provide keywords of interest.
2. The Non-Partner Employer provides the limiting categories and the keywords he/she is interested in.
3. The system searches the pool of resumes that applicants have designated as being publicly searchable.
4. The system displays a list of resumes that match the parameters of the search, along with the user's e-mail address for contact purposes.

R.2.6 Alternate Flows

1. In step 4, the number of search results is above a predetermined threshold.
 - (a) The system displays a message saying that there were too many matches.
 - (b) The system asks the Non-Partner Employer to re-specify the search criteria.

R.2.7 Post-conditions

None

R.3 Login - Partner Employer

R.3.1 Brief Description

This use case authenticates a Partner Employer before allowing them into their restricted area of Distrimon.

R.3.2 Primary Actor

Partner Employer

R.3.3 Pre-conditions

None

R.3.4 Trigger

A Partner Employer selects the Employer Login link on the Distrimon homepage.

R.3.5 Typical Flow of Events

1. The system prompts the Partner Employer for a username and password.
2. The Partner Employer enters their authentication information.
3. The system confirms that the username and password are correct.
4. The system displays the account home page for the Partner Employer.

R.3.6 Alternate Flows

1. In step 3, invalid or incorrect username or password is entered.
 - (a) The system informs the Partner Employer that authentication was not successful.
 - (b) The system re-prompts the Partner Employer for a username and password.

R.3.7 Post-conditions

None

R.4 Search Company Resume Pool

R.4.1 Brief description

This use case allows Partner Employers to search the resumes that have been submitted in response to their job postings.

R.4.2 Primary Actor

Partner Employer

R.4.3 Pre-conditions

The Partner Employer is logged in.

R.4.4 Trigger

A Partner Employer decides to search the resume pool for the company..

R.4.5 Typical Flow of Events

1. The system asks the Partner Employer to limit the search using certain predefined categories and also provide keywords of interest.
2. The Partner Employer provides the limiting categories and the keywords he/she is interested in.
3. The system searches the pool of resumes that applicants have designated as being publicly searchable.
4. The system displays a list of resumes that match the parameters of the search, along with the user's e-mail address for contact purposes.

R.4.6 Alternate Flows

1. In Step 4, the number of search results is above a predetermined threshold.
 - (a) The system displays a message saying that there were too many matches.
 - (b) Go back to Step 1.

R.4.7 Post-conditions

None.

R.5 View Job Postings

R.5.1 Brief Description

R.5.2 Primary Actor

Partner Employer

R.5.3 Pre-conditions

The Partner Employer is logged in.

R.5.4 Trigger

The Partner Employer chooses View Job Postings on his account homepage.

R.5.5 Typical Flow of Events

1. The system displays the list of job postings created by the Partner Employer.

R.5.6 Alternate Flows

None

R.5.7 Postconditions

None

R.6 Create Job Posting

R.6.1 Brief description

This use case allows Partner Employers to create a new job posting.

R.6.2 Primary Actor

Partner Employer

R.6.3 Pre-conditions

The Partner Employer is viewing his job postings.

R.6.4 Trigger

The Partner Employer chooses to create a new job posting.

R.6.5 Typical Flow of Events

1. The system prompts the Partner Employer for the text of the job posting.
2. The Partner Employer enters the text to be used for the posting.
3. The system displays a preview of the job posting and asks the Partner Employer to confirm that it should be posted.
4. The Partner Employer confirms that the posting looks correct.
5. The system creates the job posting.
6. The system displays the list of job postings for the Partner Employer.

R.6.6 Alternate Flows

1. In Step 4, the Partner Employer indicates that the posting is not correct as previewed.
 - (a) The system goes back to Step 1.

R.6.7 Post-conditions

A new job posting is created and posted to the central Distrimon website as well as the Partner Employer's section of the website.

R.7 Delete Job Posting

R.7.1 Brief Description

This use case allows Partner Employers to delete a job posting.

R.7.2 Pre-conditions

The Partner Employer is viewing his job postings.

R.7.3 Trigger

The Partner Employer chooses to delete a job posting.

R.7.4 Typical Flow of Events

1. The system displays the job posting that has been chosen for deletion.
2. The system asks the Partner Employer to confirm that the posting is to be deleted.
3. The Partner Employer confirms that the job posting should be deleted.
4. The system deletes the job posting and displays a message to that effect.

R.7.5 Alternate Flow of Events

1. In Step 3, the Partner Employer cancels the deletion of the use case.
 - (a) The system displays a message that the posting was not deleted.
 - (b) The system displays the list of job postings for the Employer.

R.7.6 Post-conditions

The job posting is removed from the central Distrimon website and the Employer's portion of Distrimon.

R.8 View Resumes for a Job Posting

R.8.1 Brief description

This use case allows Partner Employers to browse the resumes that have been submitted in response to their job postings.

R.8.2 Primary Actor

Partner Employer

R.8.3 Pre-conditions

The Partner Employer viewing his job postings.

R.8.4 Trigger

The Partner Employer chooses to view the resumes for a particular job posting.

R.8.5 Typical Flow of Events

1. The system displays a list of resumes that have been submitted.
2. The Partner Employer selects a particular resume for viewing.
3. The system displays the resume and contact information for the Job Applicant who submitted the resume.

R.8.6 Alternate Flows

None.

R.8.7 Post-conditions

None.

R.9 Create Applicant Account

R.9.1 Brief description

This use case allows a job applicant to register with the Distrimon service, either through the central website or a partner employers website.

R.9.2 Primary Actor

Job Applicant

R.9.3 Preconditions

None

R.9.4 Trigger

The Job Applicant select Create Applicant Account from the Distrimon homepage or a Partner Employer's part of Distrimon.

R.9.5 Typical Flow of Events

1. A Job Applicant accesses either the central website or a partner employers website and elects to register with the Distrimon service.
2. The system asks the Job Applicant for some basic personal information as well as a username and password.
3. The Job Applicant supplies the required information.
4. The system confirms that the username supplied is not in use.
5. The system displays a screen confirming the username and password, and also e-mails the Job Applicant this information.

R.9.6 Alternate Flows

1. In step 4, the system finds that the username supplied by the Job Applicant is already assigned to another Job Applicant.
 - (a) The system informs the Job Applicant that the username has already been taken.
 - (b) The system asks the Job Applicant to enter another username, and repeats the check.

R.9.7 Post-conditions

1. The system creates an account for the Job Applicant such that he/she is recognized as a registered user.

R.10 Login - Job Applicant

R.10.1 Brief description

This use case is invoked when a Job Applicant wishes to access their Distrimon account.

R.10.2 Primary Actor

Job Applicant

R.10.3 Pre-conditions

1. The Job Applicant should be a registered user of the system.

R.10.4 Trigger

A Job Applicant selects Account Login from the Distrimon homepage.

R.10.5 Typical Flow of Events

1. The system prompts the Job Applicant for a username and password.
2. The Job Applicant enters their authentication information.
3. The system confirms that the username and password are correct.
4. The system displays the account homepage for the Job Applicant.

R.10.6 Alternate Flows

1. In step 2, the Job Applicant indicates that they are not a registered user of the system.
 - (a) Use **Create Applicant Account**.
 - (b) Return to step 1.
2. In step 3, the user cannot be authenticated.
 - (a) The system informs the Job Applicant/Partner Employer that authentication was not successful.
 - (b) The system re-prompts the Job Applicant/Partner Employer for a username and password.

R.10.7 Post-conditions

None

R.11 View Personal Resumes

R.11.1 Brief Description

This use case allows a Job Applicant to view his resumes.

R.11.2 Primary Actor

Job Applicant

R.11.3 Pre-conditions

The Job Applicant is logged in.

R.11.4 Trigger

The Job Applicant selects View My Resumes from his account homepage.

R.11.5 Typical Flow of Events

1. The system displays a list of the Job Applicant's resumes.

R.11.6 Alternate Flows

None

R.11.7 Post-conditions

None

R.12 Create Resume

R.12.1 Brief Description

This use case allows a Job Applicant to create a new resume in Distrimon.

R.12.2 Primary Actor

Job Applicant

R.12.3 Pre-conditions

The Job Applicant is viewing a list of his resumes.

R.12.4 Trigger

The Job Applicant chooses to create a new resume.

R.12.5 Typical Flow of Events

1. The system asks the Job Applicant for the following information:
 - (a) Objective
 - (b) Education
 - (c) Skills
 - (d) Work Experience
 - (e) Desired Salary
 - (f) Other items TBD
2. The Job Applicant enters the required information.
3. The system prepares a resume from the information provided.
4. The system displays a message that the resume was created.
5. The system displays the newly created resume.

R.12.6 Alternate Flows

1. At any point, the Job Applicant chooses to cancel the resume creation process.
 - (a) The system asks the Job Applicant to confirm that the resume creation process should be canceled.
 - (b) The Job Applicant confirms that the resume should not be created.
 - (c) The system displays the list of resumes for the Job Applicant.
2. In Step 2, the Job Applicant enters invalid or insufficient information.
 - (a) The system prompts the Job Applicant for the correct information until it is entered.

R.12.7 Post-conditions

1. The newly created resume is linked to the account of the Job Applicant.

R.13 Update/Delete Resume

R.13.1 Brief description

This use case allows a job applicant to modify the content of their resume and change various options (e.g. making their resume company-specific or global).

R.13.2 Primary Actor

A Job Applicant is the primary actor in this use case.

R.13.3 Pre-conditions

The Job Applicant has logged in.

R.13.4 Trigger

A Job Applicant chooses to update his resume.

R.13.5 Typical Flow of Events

1. The system displays the stored resume and asks the Job Applicant to choose a section/option to which changes are to be made or if the resume is to be deleted.
2. The Job Applicant chooses a section/option to change.
3. The system displays the section/option and asks the Job Applicant to make any changes.
4. The Job Applicant makes the desired changes to the section/option and asks the system to save the changes.
5. The system saves the updated resume.
6. The system displays the list of resumes belonging to the Job Applicant.

R.13.6 Alternate Flows

1. At any point in the Basic Flow and Alternative Flows, the Job Applicant chooses to cancel the process.
 - (a) The system does not make any changes to the stored resume, and returns to the main account page.
2. At any point in the Basic Flow and Alternative Flows, the Job Applicant enters invalid or incomplete information.
 - (a) The system displays a message that incomplete or invalid information was entered.
 - (b) The system asks the Job Applicant to re-enter the information.
3. In Step 2, the Job Applicant chooses to delete the resume.
 - (a) The system asks the Job Applicant to confirm that the resume is to be deleted.
 - (b) The Job Applicant confirms the deletion process.
 - (c) The system deletes the stored resume.

R.13.7 Post-conditions

1. The updated resume is stored and associated with the Job Applicant's account.

R.14 Search Job Postings at Partner Employer Website

R.14.1 Brief description

This use case allows a Job Applicant to search the job postings in the Partner Employer section of the Distrimon website.

R.14.2 Primary Actor

Job Applicant

R.14.3 Pre-conditions

None

R.14.4 Trigger

A Job Applicant selects Search Job Postings on a Partner Employer website.

R.14.5 Typical Flow of Events

1. The system asks the Job Applicant to specify the search criteria such as type of job, experience required, etc.
2. The Job Applicant specifies the criteria for the search.
3. The system displays a list of job postings by the Partner Employer that match the criteria specified by the Job Applicant.

R.14.6 Alternate Flows

1. In Step 3, the number of job postings found exceeds a predetermined threshold.
 - (a) The system informs the Job Applicant that the search returned too many results.
 - (b) The system asks the Job Applicant to re-specify the search criteria.

R.14.7 Post-conditions

None.

R.15 Search Job Postings at Central Website

R.15.1 Brief description

This use case lets a Job Applicant search the job postings at the Distrimon website.

R.15.2 Primary Actor

Job Applicant

R.15.3 Pre-conditions

None

R.15.4 Trigger

A Job Applicant selects Search Job Postings on the Distrimon website.

R.15.5 Typical Flow of Events

1. The system asks the Job Applicant to specify the search criteria such as type of job, experience required, etc.
2. The Job Applicant specifies the criteria for the search.
3. The system displays a list of job postings by all Partner Employers that match the criteria specified by the Job Applicant.

R.15.6 Alternate Flows

1. In Step 3, the number of job postings found exceeds a predetermined threshold.
 - (a) The system informs the Job Applicant that the search returned too many results.
 - (b) The system asks the Job Applicant to re-specify the search criteria.

R.15.7 Post-conditions

None

R.16 Submit Resume for a Job Posting

R.16.1 Brief description

This use case allows job applicants to submit a previously stored resume in response to a job posting at the central Distrimon website.

R.16.2 Primary Actor

Job Applicant

R.16.3 Pre-conditions

The Job Applicant is logged in.

R.16.4 Trigger

The Job Applicant chooses to apply for a job while viewing a list of job postings at the central Distrimon website or a Partner Employer's section of Distrimon.

R.16.5 Typical Flow of Events

1. The system displays the list of resumes in the Job Applicant's account and asks the Job Applicant to choose a resume to use for application.
2. The Job Applicant chooses a resume with which to apply.
3. The system asks the Job Applicant that he wants to apply for the job posting with the specified resume.
4. The Job Applicant confirms that he wants to apply for the job posting with the chosen resume.
5. The system informs the Job Applicant that the application has been sent.

R.16.6 Alternate Flows

1. When the use case begins, the Job Applicant is not logged in.
 - (a) Use Login - Job Applicant.
 - (b) Return to Step 1.
2. In Step 1, the system finds that the Job Applicant's account does not include any resumes.
 - (a) Use Create New Resume.
 - (b) Return to Step 1.
3. In Step 4, the Job Applicant cancels the application.
 - (a) The system displays the original listing of job postings.

R.16.7 Post-conditions

1. The resume that the Job Applicant chose is linked to the job posting he applied for.