* 1. ***Log In***

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Log In** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Job seekers, Recruiters | | |
| Description: | This use case allows the user to log into the system. | | |
| Trigger: | In screen “**Trang chủ**”, Job seeker or Recruiter clicks in “**Đăng nhập**” box in the navigation bar. | | |
| Pre-conditions: | N/A | | |
| Post-conditions: | N/A | | |
| Normal Flow: | 1. This use case starts when the agent wants to log into the system. The system will display a screen asking for a username and password.  2. Agent enters username and password then clicks Login button. The system checks the username, password and access rights in the AspNetUser, Candidate or Recruit table. The system will check which access rights the agent belongs to and display the interface corresponding to that access. Use case ends. | | |
| Alternative Flows: | 1. At step 2 in the basic flow, if the user enters the wrong username and/or password, the system will display an error message and ask to re-enter it. User re-enters to continue.  2. At step 2 in the basic flow, if the system cannot connect to the database, an error message will be displayed and the use case will end. | | |
| Exceptions: | Email or password is incorrect | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

***Register***

|  |  |  |  |
| --- | --- | --- | --- |
| ID and Name: | **Register** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | The user does not have an account in the system. | | |
| Description: | This use case allows the agent to register an account for use in the system. | | |
| Trigger: | In screen “**Trang chủ**”, Guest clicks in “**Đăng kí**” box in the navigation bar. | | |
| Pre-conditions: | N/A | | |
| Post-conditions: | N/A | | |
| Normal Flow: | 1. This use case starts when the agent wants to register an account to use in the system. The system will display a screen asking to enter registration information: registered name, email, phone number, password.  2. The agent will enter the information displayed on the screen. When the agent clicks Register, the system will check in the AspNetUser table if the registration agent email is satisfied or not and return the result.  3. Use case ends when email and registration information is valid (email does not exist in the system). | | |
| Alternative Flows: | 1. In step 2, when the information about the input agent is not enough, the system will report an error and ask for additional input.  2. In step 2, when the agent has filled in the registration information, the system checks in the AspNetUser table if the registration agent email already exists, the system will ask the agent to re-enter another email to register.  3. At all steps in the basic flow, if the system cannot connect to the database, an error message will be displayed and the use case will end. | | |
| Exceptions: | EX-01: Username is existed in the database EX-02: Email is existed in the database  EX-03: Enter incorrect patterns of fields | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

***Search Jobs***

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Search Jobs** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Job seekers, Guest | | |
| Description: | This use case allows the agent to search for jobs in the website's system. | | |
| Trigger: | In screen “**Home**”, Job seeker or Recruiter clicks in “**Search**” box. | | |
| Pre-conditions: | N/A | | |
| Post-conditions: | N/A | | |
| Normal Flow: | 1. This use case starts when the agent clicks the Search button on the homepage menu bar.  2. The agent will enter the search keyword, the name of the industry or the address you want to search for. | | |
| Alternative Flows: | At all steps in the basic flow, if the system cannot connect to the database, an error message is displayed and the use case is terminated. | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

***View News***

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **View News** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Job seekers, Recruiters, Guest | | |
| Description: | This use case allows the agent to view articles about tips, advice or ways to interview, find a job, etc. easily and quickly. | | |
| Trigger: | In screen “**Trang chủ**”, Job seeker or Recruiter clicks in “**Bài viết / Tin tức**” box in the navigation bar. | | |
| Pre-conditions: | N/A | | |
| Post-conditions: | N/A | | |
| Normal Flow: | This use case starts when the agent clicks on the article in the tips list on the homepage. | | |
| Alternative Flows: | At all steps in the basic flow, if the system cannot connect to the database, an error message is displayed and the use case is terminated. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

***Upload CV***

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Upload CV** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Job seekers | | |
| Description: | This use case allows the agent to upload CVs as .doc, .docx, .pdf files so that recruiters can see more detailed information of the user. | | |
| Trigger: |  | | |
| Pre-conditions: | The actor must be logged in as a job seeker before executing the use case. | | |
| Post-conditions: | If the use case finishes successfully, the agent's CV information will be saved in the database. | | |
| Normal Flow: | 1. This use case starts when the agent clicks on the CV – Attached Profile in the Personal Profile section. The system will display information for the update agent including: select the CV file and the CV description box.  2. The agent will select the attachment file format: .doc, .docx, .pdf and enter the description box to upload the agent's CV, the system will check the input data and update the record in the Candidate table. | | |
| Alternative Flows: | 1. At step 2 of the basic flow, if the agent does not select the file in the correct .doc, .docx or .pdf format, the system will return an error and ask to import the file in the correct format.  2. At step 2 of the basic flow, if the agent chooses a file with the correct format but the file size is > 2MB, the system will ask to import a file with a size <= 2MB to be more suitable.  3. Enter complete and valid information about the record to be updated in the database and the use case ends.  4. At all steps in the basic flow, if the system cannot connect to the database, an error message is displayed and the use case is terminated. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

**Save jobs**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Save Jobs** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Job seekers | | |
| Description: | This use case allows the agent to save the work the agent does not want to ignore, and wants to save it for later use. | | |
| Trigger: |  | | |
| Pre-conditions: | The actor must be logged in as a job seeker before executing the use case. | | |
| Post-conditions: | N/A | | |
| Normal Flow: | 1. This use case starts when the user clicks the save job icon.  2. The system will check and save information including agent information and job information that the agent wants to save. The system will notify the success and the use case ends. | | |
| Alternative Flows: | At all steps in the basic flow, if the system cannot connect to the database, an error message is displayed and the use case is terminated. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

**Apply for job online**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Apply for job online** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Job seekers | | |
| Description: | This use case allows the agent to apply for any job posting. | | |
| Trigger: |  | | |
| Pre-conditions: | The actor must be logged in as a job seeker before executing the use case. | | |
| Post-conditions: | If the use case finishes successfully, the agent's CV information will be saved in the database. | | |
| Normal Flow: | 1. This use case starts when the user clicks the save job icon.  2. This use case starts when the agent clicks Apply in the job posting details. The system will display recruitment information including: phone number and CV file in .doc, .docx, .pdf format.  3. The agent will enter all the information the system requires as above, or if the agent wants to change the contact phone number and has a CV file before, the system will default to that phone number and CV or let Allows the agent to choose another phone number or CV file.  4. The system will check the input data and save the application information in the CandidatePostResume table, then return the results and the use case ends. | | |
| Alternative Flows: | 1. At step 3 of the basic flow, if the agent leaves the phone number blank or does not choose any CV file to apply for, the system will notify the agent to enter all the information before submitting the application. .  2. At step 3 of the basic flow, if the agent chooses a file in the correct .doc, .docx or .pdf format but the file size is > 2MB, the system will ask to import a file with a size <= 2MB to be more suitable. .  3. Enter complete and valid information about the record to be updated in the database and the use case ends.  4. At all steps in the basic flow, if the system cannot connect to the database, an error message will be displayed and the use case will end. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

**Change password**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Change password** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Job seekers, Recruiters | | |
| Description: | This use case allows the actor to change the password immediately to make the account more secure. | | |
| Trigger: |  | | |
| Pre-conditions: | The actor must log in before executing the use case. | | |
| Post-conditions: | N/A | | |
| Normal Flow: | 1. This use case starts when the user clicks Change password. The screen will display the change password page and allow the agent to enter the old password, the new password, and confirm the new password.  2. When the agent enters all the information, the system will check the old password and the new password. When the information is valid, the system will return a message and end the use case. | | |
| Alternative Flows: | 1. At step 2 of the basic flow, when the agent presses Change password but has not filled in all the information, the system will return a message asking the agent to enter all information.  2. When the agent has entered all the information, the system will check the old password, if it matches the previously created password, and the new password is satisfied, it will change the password for the agent.  3. At all steps in the basic flow, if the system cannot connect to the database, an error message is displayed and the use case is terminated. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

**Update profile**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Update Profile** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Job seekers, Recruiters | | |
| Description: | This use case allows the agent to update his information in the system. | | |
| Trigger: |  | | |
| Pre-conditions: | The actor must log in before executing the use case. | | |
| Post-conditions: | N/A | | |
| Normal Flow: | 1. This use case starts when the user clicks Update Account. The screen will show the information required to update based on the permissions that the agent has logged in.  2. Update account:  a. Update job seeker account: The system screen will display the following information: Avatar, personal information, contact information to update.  b. Update employer account: The system screen will display the following information: Profile photo, cover photo, personal information, contact information to update.  c. Update the entire admin account: The system screen will display the following information: Account information, login information. | | |
| Alternative Flows: | 1. At step 2a, 2b or step 2c in the basic flow. When the information about the input agent is not enough, the system will report an error and ask for additional input. Additional input agent to continue or click the Skip button and the use case ends.  2. During the execution of the use case, if the system cannot connect to the database, an error message will be displayed and the use case will end. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

**Manage job news**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Manage job news** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Recruiters, Staff, Admin | | |
| Description: | This use case allows the agent to post, view, edit or delete job postings in the system. | | |
| Trigger: |  | | |
| Pre-conditions: | The administrator must be logged in as a recruiter, an account manager, or an administrator when performing a use case. | | |
| Post-conditions: | If the use case ends successfully, the information about the post will be updated in the RecruitJob table. | | |
| Normal Flow: | 1. This use case starts when the agent clicks the Task Manager button on the menu bar.  2. Add a post: when the agent enters the details of the post, including: title, job, position to be filled, quantity, ... into the posting form and clicks on the button Post a job advertisement. The system will check the input data and create a new record in the RecruitJob table.  3. Edit post:  a. When the agent clicks on the Edit icon on the post information line, the system will display fields that allow the agent to edit the posting.  b. The agent to edit the posting includes the information specified in Add a post and clicks the Update button, the system will check the changed information, update the RecruitJob table.  4. Delete a post: when the agent clicks on the Delete icon on a line of information about a post, the system will delete the posting record from the RecruitJob table.  5. List of posts: the system will display a list of posts that the recruiter has posted.  6. The use case ends when the administrator closes the window. | | |
| Alternative Flows: | 1. At step 2 or step 3b in the basic flow, when the login information is not enough, the system will report an error and ask for additional input. Additional input agent to continue or redirect to another activity and the use case ends.  2. During the execution of the use case, if the system cannot connect to the database, an error message will be displayed and the use case will end. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

**View stats**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **View stats** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Staff, Admin | | |
| Description: | This use case allows the agent to view the candidate's CV download. | | |
| Trigger: |  | | |
| Pre-conditions: | The actor must be logged in as employee or administrator before executing the use case. | | |
| Post-conditions: |  | | |
| Normal Flow: | 1. This use case starts when the agent logs into the System Administration section.  2. The agent can see the number of accounts pending approval, activity, stories posted, stories pending approval, ad listings due and which industries are popular.  3. The use case ends when the agent closes the window. | | |
| Alternative Flows: | At all steps in the basic flow, if the system cannot connect to the database, an error message is displayed and the use case is terminated. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

**Manage job seekers**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Manage job seekers** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Staff, Admin | | |
| Description: | This use case allows the agent to manage all job seeker rights accounts in the system. | | |
| Trigger: |  | | |
| Pre-conditions: | The actor must be logged in as staff or administrator before executing the use case. | | |
| Post-conditions: |  | | |
| Normal Flow: | 1. This use case starts when the agent clicks on Manage NTV item on the menu bar.  2. The agent can view the list, add, edit or delete job seekers.  3. View list of NTV: the system will display a list of job seekers according to the following information: Username, Full Name, Registration Date, Job Location, Province/City, Status, Activity dynamic (edit, delete).  4. Add NTV: when the agent enters NTV details including: profile picture, job seeker information, contact information, CV attached to the form to create a new NTV and click on the Create button. The system will check the input data and create a new record in the Candidate table.  5. Edit NTV:  a. When the agent clicks the Edit icon on the NTV information line, the system will display fields that allow the agent to edit the NTV information.  b. The agent to edit NTV information includes the information indicated in Add NTV and clicks the Save button, the system will check the changed information, update the Recruit table.  6. Delete NTV: when the agent clicks on the Delete icon on a line of information about NTV, the system will delete the NTV record from the Candidate table.  7. The use case ends when the agent closes the window. | | |
| Alternative Flows: | 1. At step 4 or step 5b in the basic flow, when the input NTV information is not enough, the system will report an error and ask for additional input. Additional input agent to continue or redirect to another activity and the use case ends.  2. During the execution of the use case, if the system cannot connect to the database, an error message will be displayed and the use case will end. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

**Manage recruiters (NTD = Recruiter, NTV = Job Seeker)**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Manage job seekers** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Staff, Admin | | |
| Description: | This use case allows the agent to manage all recruiters’ accounts in the system. | | |
| Trigger: |  | | |
| Pre-conditions: | The actor must be logged in as staff or administrator before executing the use case. | | |
| Post-conditions: |  | | |
| Normal Flow: | 1. This use case starts when the agent clicks on Manage NTD on the menu bar.  2. The agent can view the list, add, edit or delete NTDs.  3. View the list of NTDs: the system will display a list of NTDs with the following information: Username, Full Name, Registration Date, Job Location, Province/City, Status, Action ( edit, delete).  4. Add NTD: when the agent enters NTD details including: profile picture, cover photo, employer information, contact information and clicks Add button. The system will check the input data and create a new record in the Recruit table.  5. Edit NTD:  a. When the agent clicks the Edit icon on the NTD information line, the system will display fields that allow the agent to edit the NTD information.  b. The agent corrects NTD information including the information indicated in Add NTD and clicks the Save button, the system will check the changed information, update the Recruit table.  6. Delete NTD: when the agent clicks on the Delete icon on a line of information about NTD, the system will delete the NTD record from the Recruit table.  7. The use case ends when the agent closes the window. | | |
| Alternative Flows: | 1. At step 4 or step 5b in the basic flow, when the NTD information is not enough, the system will report an error and ask for additional input. Additional input agent to continue or redirect to another activity and the use case ends.  2. During the execution of the use case, if the system cannot connect to the database, an error message will be displayed and the use case will end. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

**Manage news**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Manage job seekers** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Staff, Admin | | |
| Description: | This use case allows the agent to manage all news posts in the system. | | |
| Trigger: |  | | |
| Pre-conditions: | The actor must be logged in as staff or administrator before executing the use case. | | |
| Post-conditions: |  | | |
| Normal Flow: | 1. This use case starts when the agent clicks on the Manage news item in the menu bar.  2. The agent can view the list, add, edit or delete news.  3. View the news list: the system will display a list of news according to the following information: avatar, title, brief content, category, Status, Action (edit, delete).  4. Add news: when the agent enters news details including: title, brief content, detailed content, avatar, category, status, news type and clicks Add button. The system will check the input data and create a new record in the New table.  5. Edit news:  a. When the agent clicks the Edit icon on the news feed, the system displays fields that allow the agent to edit the news information.  b. Agents edit news information including the information indicated in Add news and click the Save button, the system will check the changed information, update the New table.  6. Delete news: when the agent clicks on the Delete icon on a line of news information, the system will delete the news record from the New table.  7. The use case ends when the agent closes the window. | | |
| Alternative Flows: | 1. At step 4 or step 5b in the basic flow, when the information about NTD is not enough, the system will report an error and ask for additional input. Additional input agent to continue or redirect to another activity and the use case ends.  2. During the execution of the use case, if the system cannot connect to the database, an error message will be displayed and the use case will end. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

**Manage staffs**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Manage job seekers** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Admin | | |
| Description: | This use case allows the agent to manage all employee accounts in the system. | | |
| Trigger: |  | | |
| Pre-conditions: | The actor must be logged in as administrator before executing the use case. | | |
| Post-conditions: |  | | |
| Normal Flow: | 1. This use case starts when the agent clicks on the Account Management item in the menu bar.  2. The agent can view the list, add, edit or delete accounts.  3. View the list of accounts: the system will display a list of accounts according to the following information: login name, full name, date of employment, location, address, Status, Action (edit, erase).  4. Add an account: when the agent enters the account details including: login information, account information and clicks the Create button. The system will check the input data and create a new record in the WebmasterInfo table.  5. Edit account:  a. When the agent clicks the Edit icon on the account information line, the system will display fields that allow the agent to edit the account information.  b. The account information correction agent includes the information specified in Add Account and clicks the Save button, the system will check the changed information, update the WebmasterInfo table.  c. Change password: the agent can change the password of the account when clicking the Change Password button.  6. Delete account: when the agent clicks on the Delete icon on a line of account information, the system will delete the account record from the WebmasterInfo table.  7. The use case ends when the agent closes the window. | | |
| Alternative Flows: | 1. At step 4 or step 5b in the basic flow, when the information about NTD is not enough, the system will report an error and ask for additional input. Additional input agent to continue or redirect to another activity and the use case ends.  2. At step 5c in the basic flow when the agent has entered all information, the system will check the old password if it matches the previously created password and the new password is satisfied, then the password will be changed for the account. change agent account.  3. During the execution of the use case, if the system cannot connect to the database, an error message will be displayed and the use case will end. | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |

**Manage authority**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | **Manage job seekers** | | |
| Created by: | HoangTV | Date Created: | 05/08/2022 |
| Actor: | Admin | | |
| Description: | This use case allows the agent to assign permissions to all staff accounts in the system | | |
| Trigger: |  | | |
| Pre-conditions: | The actor must be logged in as administrator before executing the use case. | | |
| Post-conditions: |  | | |
| Normal Flow: | 1. This use case starts when the agent clicks on the Permissions item on the menu bar.  2. The agent can assign permissions to all employee accounts in the system.  3. Authorization:  a. The agent clicks on a line of account information that the agent wants to decentralize.  b. On the right will appear a table of permissions and automatically ticked the permissions that the account had before.  c. The agent can change the permissions arbitrarily for the account and click Apply.  4. The use case ends when the agent closes the window. | | |
| Alternative Flows: |  | | |
| Exceptions: |  | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | N/A | | |
| Other Information: | N/A | | |
| Assumptions: | N/A | | |