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| |  |  |  |  | | --- | --- | --- | --- | | **logo ngan.png** | | **MINISTRY OF EDUCATION AND TRAINING** | | | **FPT UNIVERSITY** | | |
| Capstone Project Document |
| Maid Services |
| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | **Group 06 – Report 1** | | | **Group member** | Bùi Tiến Tuân - Team Leader - SE60824  Mạnh Quang Tuyến - Team Member - SE60890  Trương Hải Đăng - Team Member - SE60841  Nguyễn Tấn Công - Team Member - SE60920 | | **Supervisor** | Mr. Nguyễn Trọng Tài | | **Ext. Supervisor** | N/A | | **Capstone Project code** | MS | | |

-Ho Chi Minh City, 09/2014-

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## User Requirement Specification

|  |  |
| --- | --- |
| Actor | Description |
| **Guest** | A person not login. They have some simple function search. |
| **Staff** | A person help staff and customer connect together and post job request for Maid |
| **Customer** | Hiring maids. They can search, comment rating for job request posted by Maid or Maid Mediator. |
| **Maid Mediator** | They help maid post job request. |
| **Maid** | They can post job request. |
| **Webmaster** | They manager website. |
| **System** | Implement suggestions. |

### Guest requirement

To satisfy the demand of guest, system has these functions:

* **Register Account:** guest need to register to become member.
* **Login:** when guest have account they can login with username and password.
* **Search:** guest can search information about jobs, before they determine become a member.
* **View JobRequest:** view JobRequest details.
* **View Recruitment:** view Recruitment details.
  + 1. **Authenticated User requirement**

After logging in, user becomes authenticated user and has these functions:

* **View Profile:** user can view profile.
* **Log out:** user can log out .
* **View JobRequest:** view JobRequest details.
* **View Recruitment:** view Recruitment details.
* **View Notifications:** view Notifications when system sends.
* **View Statistic:** view personal statistic.

### Staff requirement

A person: to manage the maid’s request, fee and allow maid to post request.

* **Manage post time**: staff manage maid’s request post time.
* **View post time**: staff can allow customer and maid the time that maid’s request posted.
* **Manage fee**: staff can manage the customer’s fee, maid’s fee
* **Confirm request**: staff can allow the maid’s request to post to the website.

### Customer requirement

A person:

* **Search maids**:
* **Rating**:
* **Comment**:
* **Manage recruitment**:
* **View customer statistic**:

### Maid mediator requirement

A person:

* **Apply job**:
* **Search jobs**:
* **Manage job request**:
* **View maid statistic**:

### Webmaster requirement

A person:

* **Manager user**:

### System requirement

A person:

* **Suggests**:
* **Handle unconfirmed request**:
* **Notify**:

## System Requirement Specification

### External Interface Requirements

#### User Interfaces

* The general interface of website is simple and simplifies user interfaces.
* The design is simple and monochrome is more prefer.
* The layout of information in page is showing simple but full of functions.
* The error, warning and notification messages must be simple, neat, and easy to understand. Error warning does not discomfort to the user.
* The working layout of user is spacious.
* Member can contact with manager and admin easily.

#### Hardware Interfaces

There is no extra hardware interfaces are needed. The system will use the standard hardware and data communications resources of a standard computer.

#### Software Interfaces

Browsers: Firefox, Chrome

#### Communications Protocol

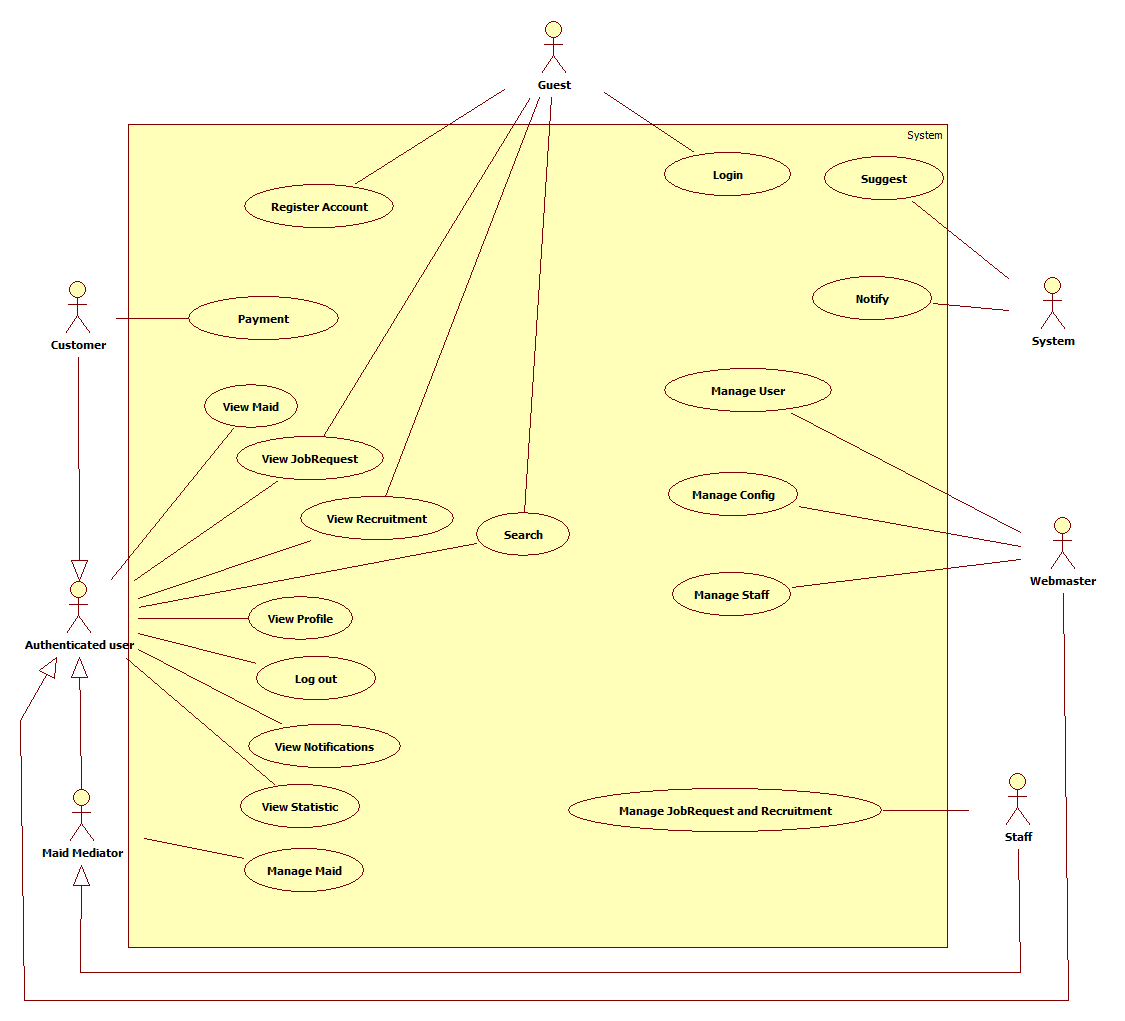
BSF website uses HTTP/HTTPS protocol for communication with the web browser and the web server. In addition, TCP/IP network protocol for communication with HTTP protocol

### System Features

#### List of use case

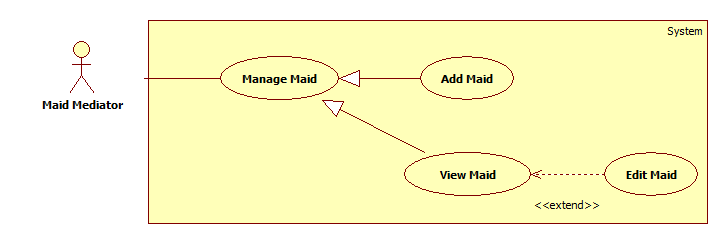
|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Use case name | Use case ID | Guest | Staff | Customer | Maid mediator | Webmaster | System |
| 1 | Register Account | 001 | x |  |  |  |  |  |
| 2 | Login | 002 | x |  |  |  |  |  |
| 3 | Search | 003 | x | x | x | x | x |  |
| 4 | Search by Age | 004 | x | x | x | x | x |  |
| 5 | Search by Skill | 005 | x | x | x | x | x |  |
| 6 | Search by Gender | 006 | x | x | x | x | x |  |
| 7 | Search by Salary | 007 | x | x | x | x | x |  |
| 8 | Search by Time | 008 | x | x | x | x | x |  |
| 9 | View Job Request | 009 | x | x | x | x | x |  |
| 10 | View Recruitment | 010 | x | x | x | x | x |  |
| 11 | View Profile | 011 | x | x | x | x | x |  |
| 12 | Log out | 012 | x | x | x | x | x |  |
| 13 | View Notifications | 013 |  | x | x | x | x |  |
| 14 | Add Staff | 014 |  |  |  |  | x |  |
| 15 | Manage User | 015 |  |  |  |  | x |  |
| 16 | Ban Account | 016 |  |  |  |  | x |  |
| 17 | Unban Account | 017 |  |  |  |  | x |  |
| 18 | View Requests Statistic | 018 |  | x |  |  | x |  |
| 19 | View Income Statistic | 019 |  | x |  |  | x |  |
| 20 | Manage Config | 020 |  |  |  |  | x |  |
| 21 | Suggest | 021 |  |  |  |  |  | x |
| 22 | Send SMS | 022 |  |  |  |  |  | x |
| 23 | Send Notifications | 023 |  |  |  |  |  | x |
| 24 | Apply Job Request | 024 |  |  | x |  |  |  |
| 25 | Comment Job Request | 025 |  |  | x |  |  |  |
| 26 | Rate Job Request | 026 |  |  | x |  |  |  |
| 27 | Edit Customer Profile | 027 |  |  | x |  |  |  |
| 28 | Extend Recruitment | 028 |  |  | x |  |  |  |
| 29 | Hide Recruitment | 029 |  |  | x |  |  |  |
| 30 | Public Recruitment | 030 |  |  | x |  |  |  |
| 31 | Post Recruitment | 031 |  |  | x |  |  |  |
| 32 | Edit Recruitment | 032 |  |  | x |  |  |  |
| 33 | Pay | 033 |  |  | x |  |  |  |
| 34 | View Customer Statistic | 034 |  |  | x |  |  |  |
| 35 | Add Maid | 035 |  | x |  | x |  |  |
| 36 | View Maid | 036 |  | x |  | x |  |  |
| 37 | Edit Maid | 037 |  | x |  | x |  |  |
| 38 | Public Job Request | 038 |  | x |  | x |  |  |
| 39 | Hide Job Request | 039 |  | x |  | x |  |  |
| 40 | Extend Job Request | 040 |  | x |  | x |  |  |
| 41 | Edit Job Request | 041 |  | x |  | x |  |  |
| 42 | Edit Maid Mediator Profile | 042 |  |  |  | x |  |  |
| 43 | Post Job Request | 043 |  | x |  | x |  |  |
| 44 | Active Job Request | 044 |  | x |  |  |  |  |
| 45 | Active Recruitment | 045 |  | x |  |  |  |  |
| 46 | Approve Job Request | 046 |  | x |  |  |  |  |
| 47 | View Maid Manager Statistic | 047 |  | x |  | x |  |  |
| 48 | Manage Number of Kmean | 048 |  |  |  |  | x |  |
| 49 | Manage Number of Weeks | 049 |  |  |  |  | x |  |
| 50 | Manage Job Request Price | 050 |  |  |  |  | x |  |
| 51 | Manage Recruitment Price | 051 |  |  |  |  | x |  |
| 52 | Manage Job Request | 052 |  | x |  |  |  |  |
| 53 | Manage Recruitment | 053 |  | x |  |  |  |  |
| 54 | Manage Applied Job Request | 054 |  | x |  |  |  |  |
| 55 | Manage Sub Price | 055 |  |  |  |  | x |  |

#### Use Case model:



#### Use-case diagram

##### <Staff, Maid Mediator> Manage Maid



###### **<Staff, Maid Mediator> Add Maid**



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE SPECIFICATION** | | | | |
| **Use-case No.** | UC035 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Add maid | | | |
| **Author** | TuyenMQ | | | |
| **Date** | 21/09/2014 | **Priority** | High | |
| **Actor:** Staff, Maid Mediator  **Summary:** This use case allow maid mediator or staff to add maid for management.  **Goal:** Maid mediator orstaff can add maid  **Trigger:** User clicks button “Thêm người giúp việc” at the top of maids list in profile page  **Pre-conditions:**   * Page is loaded successfully * User login as maid mediator or staff successful   **Post conditions:**   * Success: Add maid successfully, new maid is added to database * Failure: Show error message   **Main Success Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Login as a maid mediator or staff 2. Click name link 3. Click “Thêm người giúp việc” button 4. Fill all the fields 5. Click “Hoàn tất thêm người giúp việc” button | 1. System redirects to home page 2. System redirects to personal profile page 3. System redirects to add maid page with following fields:  * Họ và tên [MaidName: textbox] * Kinh nghiệm [Experience: dropdownlist] * Số điện thoại [Phone: textbox] * Ngày sinh [BirthDate: textbox] * Giới tính [Gender: dropdownlist] * Biết tiếng [LanguageEnglish: checkbox, LanguageChina: checkbox, LanguageJapanese: checkbox, LanguageKorean: checkbox] * Nguyên quán [Hometown: dropdownlist] * Đang sống tại [Address: dropdownlist] * Kết hôn [Married: dropdownlist] * Giới thiệu bản thân [Description: textbox] * “Hoàn tất thêm người giúp việc” button.  1. System redirects to personal profile page |   **Alternative Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Click on the “Đăng xuất” button. | 1. Clear session and back to homepage |   **Exceptions:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. “Họ và tên” is empty 2. “Số điện thoại” is empty or not a numberic value 3. “Ngày sinh” is empty | 1. Show message “Vui lòng nhập tên người giúp việc” 2. Show message “Vui lòng nhập số” 3. Show message “Vui lòng chọn ngày sinh” |   **Relationships:** Is a generalization of Manage Maid  **Business Rules:** This use caseis only available for maid mediator and staff, so user must log in as one of these two roles. After logging in, user clicks the name link to go to personal profile page and there is a list of maids whom the user is managing. User click “Thêm người giúp việc” button on the top of the list to add a new maid to manage. System redirects to maid creating page with fields requiring user’s inputs to complete the info of the new maid. There are 3 mandatory fields: “Họ và tên”, “Số điện thoại”, “Ngày sinh” so user must not let these fields empty or the error message is shown. After filling all the info field, user can click “Hoàn tất thêm người giúp việc” button to complete the maid adding process. After that, the system redirects back to personal profile page and the new added maid will be displayed at the bottom of the maids list. | | | | |

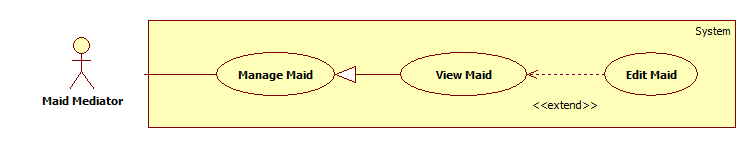
###### **<Authenticated user> View Maid**

###### 

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| --- | --- | --- | --- | --- |
| **USE CASE SPECIFICATION** | | | | |
| **Use-case No.** | UC036 | **Use-case Version** | | 1.0 |
| **Use-case Name** | View maid | | | |
| **Author** | TuyenMQ | | | |
| **Date** | 21/09/2014 | **Priority** | High | |
| **Actor:** Authenticated user (Staff, Maid Mediator, Customer, Admin)  **Summary:** This use case allow logged user to view a maid’s detail.  **Goal:** User can view a maid’s detail.  **Trigger:** User clicks the name link of a maid.  **Pre-conditions:**   * Page is loaded successfully * User login successfully   **Post conditions:**   * Success: Maid detail page is displayed * Failure: Show error message   **Main Success Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Login as Staff 2. Click the name link 3. Click a maid name in maids list | 1. System redirects to personal page 2. System redirects to maid profile page |   **Alternative Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Click on the “Đăng xuất” button. | 1. Clear session and back to homepage |   **Exceptions:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Maid does not exist | 1. Show error message |   **Relationships:** Is a generalization of Manage Maid  **Business Rules:** This use caseis available for any role except guest, so user must log in to view a maid’s detail. As customer, user can search a job request or go to personal profile page and click on a job request in recommended list of a “Waiting” recruitment or in tab “Đã thuê” to go to job request detail page. There is a name link of a maid whom the job request belongs to, click on that link to go to maid detail page which displays the info of that maid. As admin, user can only search a job request and then do the same as customer. As staff or maid mediator, just simply click on a maid name link in the maids list. | | | | |

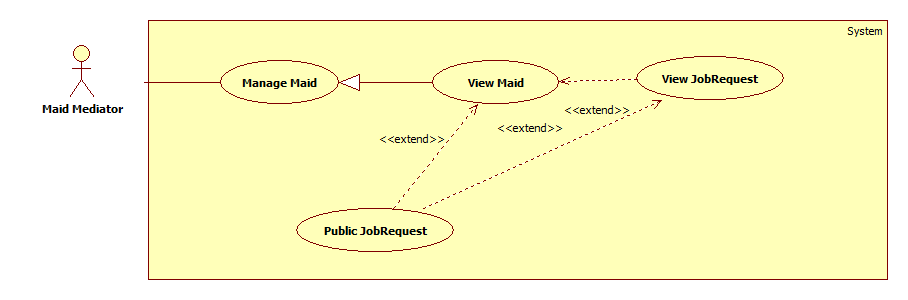
###### 

###### **<Staff, Maid Mediator> Edit Maid**



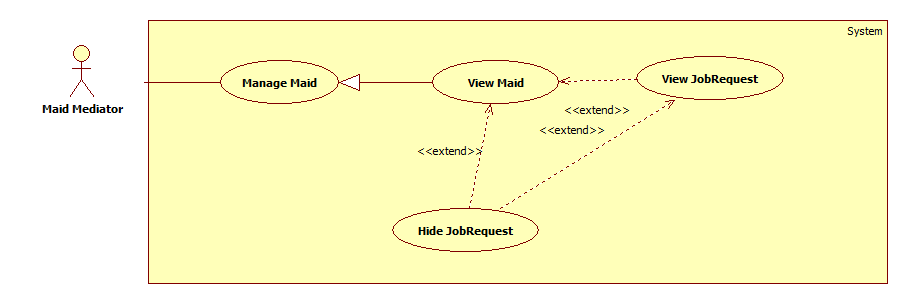
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE SPECIFICATION** | | | | |
| **Use-case No.** | UC037 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Edit maid | | | |
| **Author** | TuyenMQ | | | |
| **Date** | 21/09/2014 | **Priority** | High | |
| **Actor:** Staff, Maid Mediator  **Summary:** This use case allow staff edit a maid’s info  **Goal:** User can edit info of a maid  **Trigger:** User clicks “Sửa thông tin người giúp việc” link in maid profile page  **Pre-conditions:**   * Page is loaded successfully * User login as staff or maid mediator successful   **Post conditions:**   * Success: Edit maid’s info successfully and save to database * Failure: Show error message   **Main Success Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Login as a staff or maid mediator 2. Click name link 3. Click maid name link in maids list 4. Click “Sửa thông tin người giúp việc” link 5. Fill all the field 6. Click “Cập nhật thông tin” button | 1. System redirect home page 2. System redirect personal profile page 3. System redirect maid profile page 4. System redirect add maid page with following fields which displays the maid’s info accordingly:  * Họ và tên [MaidName: textbox] * Kinh nghiệm [Experience: dropdownlist] * Số điện thoại [Phone: textbox] * Ngày sinh [BirthDate: textbox] * Giới tính [Gender: dropdownlist] * Biết tiếng [LanguageEnglish: checkbox, LanguageChina: checkbox, LanguageJapanese: checkbox, LanguageKorean: checkbox] * Nguyên quán [Hometown: dropdownlist] * Đang sống tại [Address: dropdownlist] * Kết hôn [Married: dropdownlist] * Giới thiệu bản thân [Description: textbox] * Ảnh đại diện [Image uploading] * “Cập nhật thông tin” button.  1. System redirects to maid profile page |   **Alternative Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Click on the “Đăng xuất” button. | 1. Clear session and back to home page |   **Exceptions:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. “Họ và tên” is empty 2. “Số điện thoại” is empty or not a numberic value 3. “Ngày sinh” is empty | 1. Show message “Vui lòng nhập tên người giúp việc” 2. Show message “Vui lòng nhập số” 3. Show message “Vui lòng chọn ngày sinh” |   **Relationships:** Is an extension of View Maid  **Business Rules:** This use caseis only available for maid mediator and staff, so user must log in as one of these two roles. After logging in, user clicks the name link to go to personal profile page and there is a list of maids whom the user is managing. Click a maid name to go to maid profile page. Click on the “Sửa thông tin người giúp việc” link to go to maid editing page displaying fields with the info of that maid for editing. User can edit those info then click “Cập nhật thông tin” button to complete editing process. The system redirects to the edited maid’s profile page and the all info are updated. | | | | |

##### <Staff, Maid Mediator> Public Job Request



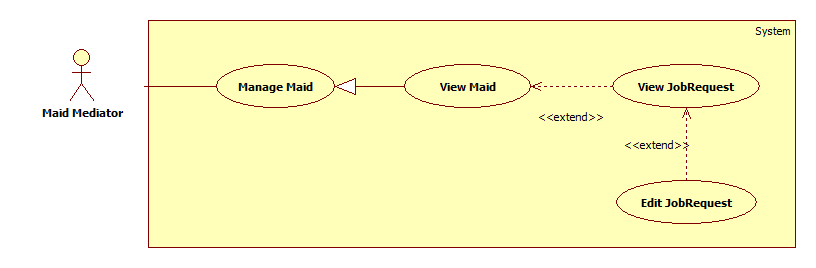
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE SPECIFICATION** | | | | |
| **Use-case No.** | UC038 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Public Job Request | | | |
| **Author** | TuyenMQ | | | |
| **Date** | 21/09/2014 | **Priority** | High | |
| **Actor:** Staff, Maid Mediator  **Summary:** This use case allow staff or maid mediator to public a job request for customer to apply  **Goal:** User can public a job request  **Trigger:** User clicks “Công khai” button  **Pre-conditions:**   * Page is loaded successfully * User login as staff or maid mediator successfully   **Post conditions:**   * Success: Public job request successfully, status of job request is changed from “Hide” to “Waiting” * Failure: Show error message   **Main Success Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Login as a staff or maid mediator 2. Click name link 3. Click a job request in tab “Tạm ẩn” 4. Click “Công khai” button | 1. System redirect home page 2. System redirect personal profile page 3. System redirects to job request detail page and displays “Tình trạng: Đang chờ” |   **Alternative Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Click on the “Đăng xuất” button. | 1. Clear session and back to home page |   **Exceptions:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Job request does not exist | 1. Show error message |   **Relationships:** Is an extension of View Maid and View Job Request  **Business Rules:** This use caseis only available for maid mediator and staff, so user must log in as one of these two roles. After logging in, user clicks the name link to go to personal profile page and there is a list of maids whom the user is managing. Click a maid name to go to maid profile page. There are five tabs which represent five statuses of job request. In “Tạm ẩn” tab which only contains job request with “Hide” status in database, user can click on a job request (not job request’s name link) then the button “Công khai” will be displayed, user can also click on job request’s name link to go to job request detail page and the button “Công khai” will be displayed too. Be noticed that only job requests in “Tạm ẩn” tab (with status “Hide” in database) have this function. User clicks “Công khai” button to public the job request, the status of the job request will be changed from “Hide” to “Waiting” in database and it’s also moved to “Đang chờ” tab in maid profile page. Now the job request is ready for customers to apply. | | | | |

##### <Staff, Maid Mediator> Hide Job Request



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE SPECIFICATION** | | | | |
| **Use-case No.** | UC039 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Hide Job Request | | | |
| **Author** | TuyenMQ | | | |
| **Date** | 21/09/2014 | **Priority** | High | |
| **Actor:** Staff, Maid Mediator  **Summary:** This use case allow staff or maid mediator to hide a job request and can’t be applied by any customer  **Goal:** User can hide a job request  **Trigger:** User clicks “Tạm ẩn” button  **Pre-conditions:**   * Page is loaded successfully * User login as staff or maid mediator successfully   **Post conditions:**   * Success: Hide job request successfully, status of job request is changed from “Waiting” to “Hide” * Failure: Show error message   **Main Success Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Login as a staff or maid mediator 2. Click name link 3. Click a job request in tab “Đang chờ” 4. Click “Tạm ẩn” button | 1. System redirect home page 2. System redirect personal profile page 3. System redirects to job request detail page and displays “Tình trạng: Tạm ẩn” |   **Alternative Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Click on the “Đăng xuất” button. | 1. Clear session and back to home page |   **Exceptions:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Job request does not exist | 1. Show error message |   **Relationships:** Is an extension of View Maid and View Job Request  **Business Rules:** This use caseis only available for maid mediator and staff, so user must log in as one of these two roles. After logging in, user clicks the name link to go to personal profile page and there is a list of maids whom the user is managing. Click a maid name to go to maid profile page. There are five tabs which represent five statuses of job request. In “Đang chờ” tab which only contains job request with “Waiting” status in database, user can click on a job request (not job request’s name link) then the button “Tạm ẩn” will be displayed, user can also click on job request’s name link to go to job request detail page and the button “Tạm ẩn” will be displayed too. Be noticed that only job requests in “Đang chờ” tab (with status “Waiting” in database) have this function. User clicks “Tạm ẩn” button to hide the job request, the status of the job request will be changed from “Waiting” to “Hide” in database and it’s also moved to “Tạm ẩn” tab in maid profile page. Now the job request can’t be applied. | | | | |

##### 2.2.2.3.1.6 <Staff, MaidMediator> Edit JobRequest

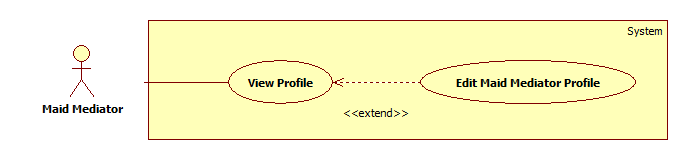


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| --- | --- | --- | --- | --- |
| **USE CASE SPECIFICATION** | | | | |
| **Use-case No.** | UC041 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Edit JobRequest | | | |
| **Author** | TuyenMQ | | | |
| **Date** | 21/09/2014 | **Priority** | High | |
| **Actor:** Staff, Maid Mediator  **Summary:** This use case allow staff or maid mediator to edit job request  **Goal:** Staff or maid mediator can edit job request  **Trigger:** User click “Sửa yêu cầu công việc” link in job request detail page  **Pre-conditions:**   * Page is loaded successfully * User login as staff or maid mediator successful   **Post conditions:**   * Success: Edit job request successfully, job request’s detail and skill reference’s detail are updated in database * Failure: Show error message   **Main Success Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Login as a staff or maid mediator 2. Click the name link 3. Click a maid name link in maids list 4. Click a job request link in “Chưa kích hoạt” tab 5. Click “Sửa thông tin yêu cầu công việc” link 6. Fill all the fields 7. Click “Sửa yêu cầu” button | 1. System redirects to homepage 2. System redirects to personal profile page 3. System redirects to job request detail page 4. System redirects to job request editing page displaying following fields with info of the job request accordingly:  * Đăng cho [MaidName: textbox] * Tiêu đề [Title: dropdownlist] * Các kỹ năng [SkillRefId: textbox] * “Sửa yêu cầu” button  1. System redirects to edited job request’s detail page |   **Alternative Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Click on the “Đăng xuất” button. | 1. Clear session and back to home page |   **Exceptions:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Job request is active 2. “Đăng cho” is empty 3. “Tiêu đề” is empty 4. “Các kỹ năng” is empty | 1. Show alert message “Công việc đã hết hạn cho sửa” 2. Show message “Vui lòng chọn người giúp việc” 3. Show message “Vui lòng nhập tiêu đề” 4. Show message “Vui lòng chọn kĩ năng” |   **Relationships:** Is an extension of View Job Request  **Business Rules:** This use caseis only available for maid mediator and staff, so user must log in as one of these two roles. After logging in, user clicks the name link to go to personal profile page. User clicks on a maid name link in maids list to go to maid profile page. In “Chưa kích hoạt” tab click a job request link to go to job request detail page. Click “Sửa thông tin yêu cầu tìm việc” link to go to job request editing page. User edit the info then click “Sửa yêu cầu” button to complete the editing process. Only inactive job requests have this function, so if the user click “Sửa thông tin yêu cầu tìm việc” link of active job requests, the alert message “Công việc đã hết hạn cho sửa” will be displayed. | | | | |

##### 2.2.2.3.2 <Staff, MaidMediator> Edit Maid Mediator Profile

##### 

##### 2.2.2.3.2.1 <Staff, MaidMediator> Edit Maid Mediator Profile



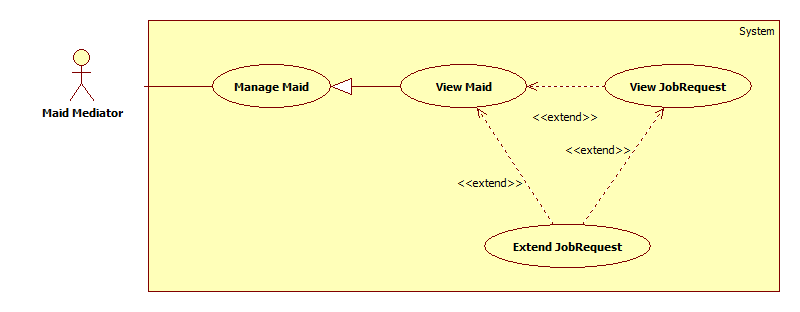
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE SPECIFICATION** | | | | |
| **Use-case No.** | UC042 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Edit Maid Mediator Profile | | | |
| **Author** | TuyenMQ | | | |
| **Date** | 21/09/2014 | **Priority** | High | |
| **Actor:** Staff, Maid Mediator  **Summary:** This use case allow staff or maid mediator to edit profile  **Goal:** Staff or maid mediator can edit profile  **Trigger:** User clicks “Sửa thông tin cá nhân” link in personal profile page  **Pre-conditions:**   * Page is loaded successfully * User login as staff or maid mediator successful   **Post conditions:**   * Success: Edit profile successfully, profile detail is updated in database * Failure: Show error message   **Main Success Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Login as a staff or maid mediator 2. Click the name link 3. Click “Sửa thông tin cá nhân” link 4. Fill all the fields 5. Click “Cập nhật thông tin” button | 1. System redirects to homepage 2. System redirects to personal profile page 3. System redirects to profile editing page displaying following fields with info of the job request accordingly:  * Họ và tên [FullName: textbox] * Số điện thoại [Phone: textbox] * Email [Email: textbox] * Ảnh đại diện [Image uploading] * “Cập nhật thông tin” button  1. System redirects to personal profile page with updated info |   **Alternative Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Click on the “Đăng xuất” button. | 1. Clear session and back to home page |   **Exceptions:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. “Họ và tên” is empty 2. “Số điện thoại” is empty or char inputted 3. “Email” is empty or wrong format | 1. Show message “Vui lòng nhập tên người quản lý” 2. Show message “Vui lòng nhập số” 3. Show message “Vui lòng nhập đúng định dạng abc@abc.ab” |   **Relationships:** Is an extension of View Profile  **Business Rules:** This use caseis only available for maid mediator and staff since staff is also a maid mediator, so user must log in as one of these two roles. After logging in, user clicks the name link to go to personal profile page. User clicks “Sửa thông tin cá nhân” link to go to profile editing page. User edit the info then click “Cập nhật thông tin” button to complete the editing process. Data is updated in database, system redirects back to personal profile page and the info are updated. | | | | |

##### 2.2.2.3.2.2 <Staff, MaidMediator> Post JobRequest



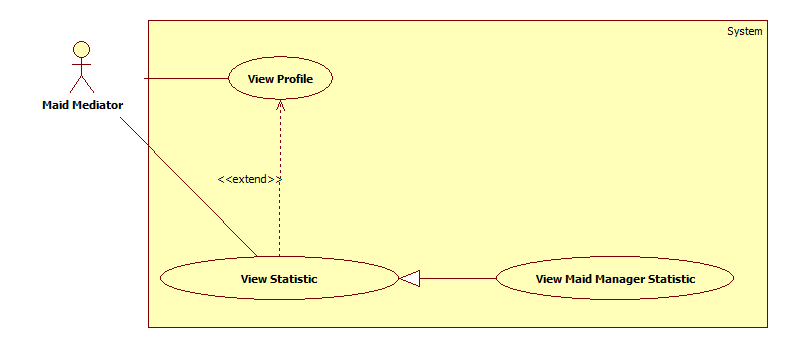
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE SPECIFICATION** | | | | |
| **Use-case No.** | UC043 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Post JobRequest | | | |
| **Author** | TuyenMQ | | | |
| **Date** | 21/09/2014 | **Priority** | High | |
| **Actor:** Staff, Maid Mediator  **Summary:** This use case allow staff or maid mediator to post job request  **Goal:** Staff or maid mediator can post job request  **Trigger:** User clicks “Đăng yêu cầu tìm việc” link in personal profile page  **Pre-conditions:**   * Page is loaded successfully * User login as staff or maid mediator successful   **Post conditions:**   * Success: Post job request successfully, new job request and skill reference are added to database * Failure: Show error message   **Main Success Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Login as a staff or maid mediator 2. Click the name link 3. Click “Đăng yêu cầu công việc” link 4. Fill all the fields 5. Click “Đăng yêu cầu” button | 1. System redirects to homepage 2. System redirects to personal profile page 3. System redirect post jobrequest page with following fields:  * Đăng cho [MaidName: textbox] * Tiêu đề [Title: dropdownlist] * Các kỹ năng [SkillRefId: textbox] * Thời hạn đăng [PostTime: textbox] * “Đăng yêu cầu” button  1. System redirects to new job request’s detail page |   **Alternative Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Click on the “Đăng xuất” button. | 1. Clear session and back to home page |   **Exceptions:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. “Đăng cho” is empty 2. “Tiêu đề” is empty 3. “Các kỹ năng” is empty | 1. Show message “Vui lòng chọn người giúp việc” 2. Show message “Vui lòng nhập tiêu đề” 3. Show message “Vui lòng chọn kĩ năng” |   **Relationships:** Is an extension of View Profile  **Business Rules:** This use caseis only available for maid mediator and staff, so user must log in as one of these two roles. After logging in, user clicks the name link to go to personal profile page. User clicks on “Đăng yêu cầu công việc” link to go to request adding page which displays all required fields for a job request to be created. There are 3 mandatory fields: “Đăng cho” (User must choose a maid from the managed maids list to post this job request for that maid), “Tiêu đề”, “Các kĩ năng” (User must choose at least a skill from the skills list). After completing all the fields, user can click “Đăng yêu cầu” button to complete posting a new job request. New job request is added to JobRequest table and new skill reference is added to SkillReference table in database. The system redirects to new added job request’s detail page. | | | | |

##### 2.2.2.3.2.3 <Staff, MaidMediator> Extend Job Request



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE SPECIFICATION** | | | | |
| **Use-case No.** | UC040 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Extend Job Request | | | |
| **Author** | TuyenMQ | | | |
| **Date** | 21/09/2014 | **Priority** | High | |
| **Actor:** Staff, Maid Mediator  **Summary:** This use case allow staff or maid mediator to extend job request  **Goal:** Staff or maid mediator can extend job request  **Trigger:** User clicks “Gia hạn” button  **Pre-conditions:**   * Page is loaded successfully * User login as staff or maid mediator successful   **Post conditions:**   * Success: Extend job request successfully, job request’s expired date is updated in database and status changes from “Expired” to “Waiting” * Failure: Show error message   **Main Success Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Login as a staff or maid mediator 2. Click the name link 3. Click a maid name link in maids list 4. Choose a job request in any tab except “Được nhận” and “Hoàn tất” tabs 5. Click “Gia hạn” button 6. Click “Đồng ý” button | 1. System redirects to homepage 2. System redirects to personal profile page 3. System redirects to maid profile page 4. A modal pops up with a dropdown list for user to choose the extending time 5. System redirects to extended job request’s detail page |   **Alternative Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Click on the “Đăng xuất” button. | 1. Clear session and back to home page |   **Exceptions:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Job request was applied | 1. Show alert message “Công việc đã được thuê” |   **Relationships:** Is an extension of View Profile  **Business Rules:** This use caseis only available for maid mediator and staff, so user must log in as one of these two roles. After logging in, user clicks the name link to go to personal profile page. User clicks a maid name link in the maids list to go to maid profile list. User choose a job request from any tab except “Được nhận” and “Hoàn tất” tabs then click “Gia hạn” button which appears afterward. A modal pops up and user choose the extending time from the dropdown list then click “Đồng ý” button to complete the process. Job request’s expired time is updated and status changes from “Expired” (if job request’s status is “Expired”) to “Waiting” in database. The system redirects to that job request’s detail page and the extended job request moves from “Hết hạn” tab to “Đang chờ” tab in maid profile page. | | | | |

##### 2.2.2.3.2.3 <Staff, MaidMediator> View Maid Manager Statistic



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE SPECIFICATION** | | | | |
| **Use-case No.** | UC047 | **Use-case Version** | | 1.0 |
| **Use-case Name** | View Maid Manager Statistic | | | |
| **Author** | TuyenMQ | | | |
| **Date** | 21/09/2014 | **Priority** | High | |
| **Actor:** Staff, Maid Mediator  **Summary:** This use case allow staff or maid mediator to view personal statistic as maid mediator  **Goal:** Staff or maid mediator can view personal statistic  **Trigger:** User clicks “Thống kê” link in personal profile page  **Pre-conditions:**   * Page is loaded successfully * User login as staff or maid mediator successful   **Post conditions:**   * Success: Personal Statistic page is loaded successfully * Failure: Show error message   **Main Success Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Login as a staff or maid mediator 2. Click the name link 3. Click “Thống kê” link | 1. System redirects to homepage 2. System redirects to personal profile page 3. System redirects to personal statistic page |   **Alternative Scenario:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. Click on the “Đăng xuất” button. | 1. Clear session and back to home page |   **Exceptions:**   |  |  | | --- | --- | | Actor Action | System Response | | 1. User hasn’t posted any job request | 1. The statistic diagram is not displayed |   **Relationships:** Is a generalization of View Statistic  **Business Rules:** This use caseis only available for maid mediator and staff, so user must log in as one of these two roles. After logging in, user clicks the name link to go to personal profile page. User clicks “Thống kê” link to go to personal statistic page. The statistic circle diagram is displayed and is divided into parts according to the number of job requests of each status (Each status has one color). When user moves the mouse to a part of he diagram, the number of job requests of that status will be displayed. If the user hasn’t post any job request yet, the diagram will not appear. | | | | |

### Software System Attributes

#### Reliability

* There is no requirement for system maintenance task from the user.
* Mean Time Between Failures (MTBF): more than 6 months.
* Accuracy: 100%.
* Maximum Bugs and Defect Rate: 0.3 bugs per thousand lines of code (0.3bugs/KLOC).
* Critical bugs:
* Loss of data: not any

#### Availability

* The server shall be working 24 hours per day and 7 days per week.

#### Security

* *All sensitive* information (password, etc.) must be hashed when storing in database and during transmission over networks using MD5 hash.
* Validate input data in SQL query before execute to avoid SQL Injection, XSS
* The role of user and member is clearly.

#### Maintainability

* All code shall fully document. All program files shall include comments concerning authorship and date of last change.
* The code shall be modular to permit future modifications.

#### Portability

* The software will design as cross-platform software.

#### Performance

* Large tables and indexes must be partitioned data into smaller, more manageable sections by using partition in SQL Server 2008 R2

## Entity Relationship Diagram or Data Structures



## Other material (if any)

N/A