# Login



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| **USE CASE – UC001** | | | | |
| **Use-case No.** | UC001 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Login | | | |
| **Author** | Vu Nhat Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | High | |
| **Actor:** Guests  **Summary:** Guests use this case to login to the system.  **Goal:** Allow guests to login and gain priorities to use the system.  **Triggers:** Click “Đăng Nhập” button on browsers.  **Preconditions:** Access the website through browsers at the address: “[www.timkiembenhvien.vn](http://www.timkiembenhvien.vn)”.  **Post Conditions:**   * **Successful**: Actors are automatically transfer back to homepage and be able to access the web’s functions assigned by their roles * **Fail**: Actors are only able to access the web’s functions as Guest. The system displays message: “Không đăng nhập được vào tài khoản của quý khách!”   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Click “Đăng Nhập” button | Display login page that includes:   * Tên đăng nhập: Textbox (required, min length: 2, max length: 32) * Mật khẩu: Password (required, min length: 8) * Ghi nhớ: Check box (optional) | | 2 | Enter Username and Password | Users is authorized to gain the priorities according to his/her role. The page automatically transfer to Homepage |   **Alternative Scenario:**  **A.**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Click “Đăng Nhập bằng Facebook” button image | If actor has not login to Facebook in their device, displays Facebook login page that includes:   * Email: Textbox (required, regular expression: @"^ ([a-zA-Z0-9\_\-\.]+)@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.)|(([a-zA-Z0-9\-]+\.)+))([a-zA-Z]{2,4}|[0-9]{1,3})(\]?)$") * Mật khẩu: Password (required, min length: 8) | | 2 | Fills required fields, then click “Đăng nhập” | Actor is directed to Facebook website and asked to authorize permissions to fetch their Facebook account’s information   * Allow “[www.timkiembenhvien.vn](http://www.timkiembenhvien.vn)” access your public information * Allow “[www.timkiembenhvien.vn](http://www.timkiembenhvien.vn)” access your email address * Allow “[www.timkiembenhvien.vn](http://www.timkiembenhvien.vn)” access your phone number | | 3 | Accept permission | The page automatically transfer to Homepage |   **B.**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Click “Đăng Nhập bằng Facebook” button image | If actor has login to Facebook in their device, displays Facebook page that asks permission for the following:   * Allow “[www.timkiembenhvien.vn](http://www.timkiembenhvien.vn)” access your public information * Allow “[www.timkiembenhvien.vn](http://www.timkiembenhvien.vn)” access your email address * Allow “[www.timkiembenhvien.vn](http://www.timkiembenhvien.vn)” access your phone number | | 2 | Accept permission | The page automatically transfer to Homepage |   **C.**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Click “Đăng Nhập bằng Facebook” button image | If actor has login to Facebook in their device, and the database has his/her account record. Then the system automatically transfers to Homepage |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **No** | **Case** | **System response** | | 1 | Tên đăng nhập is blank | Display: “Xin hãy nhập Tên Đăng Nhập.” | | 2 | Mật khẩu is blank | Display: “Xin hãy nhập Mật Khẩu.” | | 3 | Email is incorrect | Display: “Email của bạn không đúng hoặc bạn chưa đăng ký thành viên” | | 4 | Mật khẩu is incorrect | Display: “Mật khẩu của bạn không đúng, xin hãy thử lại” | | 5 | Hospital account is expired | Display “Tài khoản đã hết hạn sử dụng. Xin liên hệ quản trị viên để kích hoạt tài khoản.” |   **Relationships**: N/A  **Business Rules:** Users must enter valid login information. If not, they cannot gain priorities to use services from Hospital Finder. | | | | |

# Change Password



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| **USE CASE – UC002** | | | | |
| **Use-case No.** | UC002 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Login | | | |
| **Author** | Vu Nhat Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Hospital Users  **Summary:** Actor use this case to change their account’s password.  **Goal:** Users and Hospital Users successfully change their password  **Preconditions:** Actor must meet the requirements of use case **UC001** (Login).  **Post Conditions:**   * **Success:** Stored new password to database * **Fail:** New password could not be stored to database. Display message: “Quý khách không thể thay đổi mật khẩu, xin vui lòng thử lại”   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Clicks “Đổi mật khẩu” button | Display change password page that includes:   * Mật khẩu hiện tại: Password (required, min length: 8) * Mật khẩu mới: Password (required, min length: 8) * Xác thực Mật khẩu mới: Password (required, min length: 8, must match with Mật khẩu mới) | | 2 | Fills all required fields | The system validates the entered passwords then change the account password to the new one, stores new password to database  Show messages: “Đổi Mật khẩu thành công” |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | **No** | **Case** | **System response** | | 1 | Mật khẩu hiện tại is blank | Display: “Xin hãy nhập Mật khẩu.” | | 2 | Mật khẩu mới is blank | Display: “Xin hãy nhập Mật khẩu.” | | 3 | Xác thực Mật khẩu mới is blank | Display: “Xin hãy nhập Mật khẩu.” | | 4 | Mật khẩu hiện tại is incorrect | Display “Mật khẩu bạn nhập vào không đúng.” | | 5 | Mật khẩu mới and Xác thực Mật khẩu mới do not match | Display “Mật khẩu bạn nhập vào không trùng khớp.” | | 6 | Mật khẩu mới and Xác thực Mật khẩu mới have minimum length < 8 characters | Display “Mật khẩu phải có ít nhất 8 ký tự.” |   **Relationships**: UC001  **Business Rules:** User must entered valid current information in all required fields in order to have their password changed successfully. These two fields: Mật khẩu mới and Xác thực Mật khẩu mới must match. | | | | |

# Reclaim forgotten password



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| **USE CASE – UC003** | | | | |
| **Use-case No.** | UC003 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Login | | | |
| **Author** | Vu Nhat Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Guest  **Summary:** Guests use this case to reclaim their password once forgotten  **Goal:** Actor receives his/her password by email  **Preconditions:** Access the website through browsers at the address: “[www.timkiembenhvien.vn](http://www.timkiembenhvien.vn)”.  **Post Conditions:**   * **Success:** New password is sent to actor’s email * **Fail:**  Actor doesn’t receive any email containing their password   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Clicks “Quên Mật khẩu” button | Display Forgotten password page that includes:   * Email đăng ký: Textbox (required, regular expression: @"^([a-zA-Z0-9\_\-\.]+)@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.)|(([a-zA-Z0-9\-]+\.)+))([a-zA-Z]{2,4}|[0-9]{1,3})(\]?)$") * “Gửi” button | | 2 | Fills required field | The system validates the entered email then send the password that match with the email in database to the actor  Displays following scene:   * Show messages: “Chúng tôi đã gửi Mật khẩu của bạn qua hộp mail bạn dùng để đăng nhập, xin vui lòng kiểm tra” * “Gửi lại” button | | 3 | Clicks “Gửi lại” | The system resend the email to actor’s login email |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | **No** | **Case** | **System response** | | 1 | Email đăng ký is blank | Display: “Xin hãy nhập Email bạn dùng để đăng ký tài khoản.” |   **Relationships**: N/A  **Business Rules:** Users must enter valid email address in order to receive an email containing password from the system. | | | | |

# View specific Hospital/Clinic ‘s Information



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| **USE CASE – UC001** | | | | |
| **Use-case No.** | UC001 | **Use-case Version** | | 1.0 |
| **Use-case Name** | View specific Hospital/Clinic ’s information | | | |
| **Author** | Vu Nhat Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Guests  **Summary:** Guests use this case to view specific hospital/clinics information  **Goal:** Allow guests to view specific hospital/clinics information.  **Triggers:** After using search function, click to specific hospital/clinic name, this will display a brief descriptions of that hospital/clinic, click to the name to view more details.  **Preconditions:** Used the search function to find group of hospitals/clinics  **Post Conditions:**   * **Success:** Direct actor to specific hospital/clinic information page * **Fail:** N/A   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Clicks a hospital/clinic name on the pop-up | Display hospital/clinic information page that includes:   * Embed google map that shows the hospital/clinic location * “Đặt lịch hẹn” button * Tên bệnh viện * Rating trung bình * Địa chỉ * Số điện thoại * Fax * Email * Website * Mô tả   On the right side displays list of users’ comments and rating |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships**: (Search Hospital use case)  **Business Rules:** Actor must use the search engine to narrow down hospitals/clinics based on location, department, urgent needs, services | | | | |

# View list of users



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| **USE CASE – UC004** | | | | |
| **Use-case No.** | UC00 | **Use-case Version** | | 1.0 |
| **Use-case Name** | View list of users | | | |
| **Author** | Vũ Nhật Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Administrator  **Summary:** Administrator accesses the system, uses Manage Accounts function and views a list of users that supports column sort, filter and paging  **Goal:** Display a list of users supporting column sort, filter and paging  **Triggers:** Click on “Quản lý tài khoản” to view list of users.  **Preconditions:** Administrator must meet the requirements of use case **UC001** (Login).  **Post Conditions:**   * **Success:** Administrator can use filter to sort the list and change page for more users * **Fail:** The system does not display the users’ list   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Administrator is on “Quản lý tài khoản” page | Displays list of Users table include following columns:   * Email * Tên * Họ * Điện thoại * Loại người dùng * Ngày đăng ký * Trạng thái (Active/Inactive) checkbox   Display the following at the end of the table   * Số trang (page number) (link-text, use to change page) * “Tiếp” button, “Quay lại” button | | 2 | Administrator sorts the list by clicking the column title | If the list was sorted in ascending order, sort the list again in descending order. Otherwise, sort the list in ascending order | | 3 | Administrator filters the list by “Vai trò” (Hospital Users, Users), “Trạng thái” (active/inactive) | Display appropriated list of users | | 4 | Administrator changes page by click “Tiếp” button, “Quay lại” button, Số trang (page number) button | Displays the next page if clicked “Tiếp” button, previous page if clicked “Quay lại” button.  Display the specific page by clicking “Số trang” (page number) |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | **No** | **Case** | **System response** | | 1 | There’s no user in database | Display: “Không có bất kỳ người dùng nào trong database.” |   **Relationships**: UC001  **Business Rules:** | | | | |

# Create Feedback



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| **USE CASE – UC004** | | | | |
| **Use-case No.** | UC00 | **Use-case Version** | | 1.0 |
| **Use-case Name** | User’s Feedback | | | |
| **Author** | Vũ Nhật Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Users  **Summary:** User accesses the system, uses Feedback function and sends a review for specific hospital/clinic or the system  **Goal:** Stored user’s feedback to database successfully  **Triggers:** Click on “Phản hồi” item on menu bar.  **Preconditions:** User must meet the requirements of use case **UC001** (Login).  **Post Conditions:**   * **Success**: New feedback is stored in database * **Fail:** New feedback couldn’t be stored in database, display message to users: “Không thể gửi feedback, xin vui lòng thử lại”   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | User goes to Phản hồi page | Displays two option (using radio button):   * Phản hồi về bệnh viện with a dropdown list which display list of hospital/clinic * Phản hồi về hệ thống | | 2 | User chooses Feedback type | Directs User to Feedback form | | 3 | User fills Feedback form | Displays feedback creation form include:   * Tiêu đề: Text area (required) * Nội dung: Text area (required) * “Gửi” button * “Hủy” button | | 4 | User click “Gửi” button | The system validates input information then stores new feedback to database |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | User clicks “Hủy” button | Direct user to homepage |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **No** | **Case** | **System response** | | 1 | “Tiêu đề” is blank | Displays: “Vui lòng nhập tiêu đề.” | | 2 | “Nội dung” is blank | Displays: “Vui lòng nhập nội dung.” |   **Relationships**: UC001  **Business Rules:** N/A | | | | |

# View list of feedbacks



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| **USE CASE – UC004** | | | | |
| **Use-case No.** | UC00 | **Use-case Version** | | 1.0 |
| **Use-case Name** | View list of Feedback | | | |
| **Author** | Vũ Nhật Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Administrator  **Summary:** Administrator accesses the system, uses View feedback function and views a list of feedback  **Goal:** Display a list of feedback supporting column sort, filter and paging. Administrator can click to the feedback to view detail review  **Triggers:** Click on “Xem Feedback” item on menu bar.  **Preconditions:** Administrator must meet the requirements of use case **UC001** (Login).  **Post Conditions:**   * **Success:** Administrator can use filter to sort the list and change page, and can view feedback detail * **Fail:** Display a message: “Không có feedback trong database”   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Administrator is on “Xem Feedback” page | Displays list of Feedback include   * Tiêu đề (link-text) * Loại (Hospital/Clinic or System) * Ngày nhận * Số trang (page number) (clickable, use to change page) * “Tiếp” button, “Quay lại” button | | 2 | Administrator sorts the list by clicking the column title | If the list was sorted in ascending order, sort the list again in descending order. Otherwise, sort the list in ascending order | | 3 | Administrator filters the list by:   * Theo tiêu đề * Theo loại * Theo ngày nhận | Display appropriated list of feedback | | 4 | Administrator changes page by click “Tiếp” button, “Quay lại” button, Số trang (page number) button | Displays the next page if clicked “Tiếp” button, previous page if clicked “Quay lại” button.  Display the specific page by clicking “Số trang” (page number) | | 5 | Administrator view a specific feedback detail by click to specific “Tiêu đề” | System directs to feedback’s content form includes:   * Tiêu đề * Loại * Ngày nhận * Nội dung |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships**: UC001  **Business Rules:** N/A | | | | |

# Import list of hospitals or clinics by Excel



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| **USE CASE – UC004** | | | | |
| **Use-case No.** | UC00 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Import hospital/clinic data | | | |
| **Author** | Vũ Nhật Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Administrator  **Summary:** Administrator accesses the system, uses Import hospital/clinic data function and select an pre-defined Excel spreadsheet to import to database  **Goal:** Stored new hospital/clinic data successfully  **Triggers:** Click on “Nhập dữ liệu bệnh viện” item on menu bar.  **Preconditions:** Administrator must meet the requirements of use case **UC001** (Login).  **Post Conditions:**   * **Success:** New hospital/clinic data is stored into database * **Fail:** Display message: “Không thể lưu danh sách bệnh viện vào database”   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Clicks on “Nhập dữ liệu bệnh viện” item on menu bar | Displays pop-up File Browsing screen for Administrator to choose an Excel spreadsheet | | 2 | Administrator choose an Excel spreadsheet and click “OK” button | System validates input data, then imports columns from Excel spreadsheet to database and throw back successful message |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Clicks on “Hủy” button on pop-up window | Close pop-up windows |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **No** | **Case** | **System response** | | 1 | Fields in spreadsheet incorrect | Displays: “Định dạng trong file Excel không phù hợp” | | 2 | The file is not in Excel format | Displays: “Đây không phải là file Excel” |   **Relationships**: UC001  **Business Rules:** The excel file must follow the below rules: | | | | |

# View appointments



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| **USE CASE – UC004** | | | | |
| **Use-case No.** | UC00 | **Use-case Version** | | 1.0 |
| **Use-case Name** | View list of appointments | | | |
| **Author** | Vũ Nhật Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Hospital Users  **Summary:** Administrator accesses the system, uses View appointments function and views a list of appointments  **Goal:** Display a list of appointments on Google Calendar  **Triggers:** Click on “Xem Appointments” item on menu bar.  **Preconditions:** Hospital User must meet the requirements of use case **UC001** (Login).  **Post Conditions:**   * **Success**: System displays Embed Google Calendar on website   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Hospital User is on “Xem Appointments” page | Displays Embed Google Calendar with event tittle is Patient’s Last name + Patient’s First name + Phone number | | 2 | Hospital User clicks on specific event panel | Displays a pop-up with more details:   * “Họ” + “Tên” + “Số Điện thoại” * Ngày + giờ khám * Địa điểm * Email |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships**: UC001  **Business Rules:** Using Google Calendar to view appointments | | | | |

# View administrator statistics



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| **USE CASE – UC004** | | | | |
| **Use-case No.** | UC00 | **Use-case Version** | | 1.0 |
| **Use-case Name** | View administrator statistics | | | |
| **Author** | Vũ Nhật Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Administrator  **Summary:** Administrator accesses the system, uses View administrator statistics function  **Goal:** Display list of statistics and chart demonstrating website’s activities  **Triggers:** Click on “Xem Thống Kê” item on menu bar.  **Preconditions:** Administrator must meet the requirements of use case **UC001** (Login).  **Post Conditions:**   * **Success:** Direct actors to statistic page * **Fail:** Direct actors to homepage   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Administrator is on “Xem Thống kê” page | Displays list of statistics include   * Tổng số người truy cập * Tổng số người dùng thông thường * Tổng số người dùng từ Bệnh viện * Charts display the three statistics above overtime (can display in various type of chart) * Tổng số comment * Tổng số feedback * Charts display the two statistics above overtime (can display in various type of chart) |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships**: UC001  **Business Rules:**   * Tổng số người truy cập: The total number of visitors including guests, users and hospital users * Tổng số người dùng thông thường: The total number of visitors whose roles are User * Tổng số người dùng từ Bệnh viện: The total number of visitors whose roles are Hospital User * Tổng số comment: The total number of comments * Tổng số feedback: The total number of feedbacks | | | | |

# View hospital’s statistic



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| **USE CASE – UC004** | | | | |
| **Use-case No.** | UC00 | **Use-case Version** | | 1.0 |
| **Use-case Name** | View Hospital’s statistics | | | |
| **Author** | Vũ Nhật Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Hospital Users  **Summary:** Hospital User accesses the system, uses View Hospital’s statistics function  **Goal:** Display list of statistics and chart demonstrating Hospital’s activities  **Triggers:** Click on “Xem Thống Kê” item on menu bar.  **Preconditions:** Administrator must meet the requirements of use case **UC001** (Login).  **Post Conditions:**   * **Success:** Direct actors to statistic page of their respective hospital * **Fail:** Direct actors to homepage   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Hospital User is on “Xem Thống kê” page | Displays list of statistics include   * Tổng số người đã xem * Tổng số đăng ký khám bệnh * Charts display the three statistics above overtime (support various type of chart) * Tổng số comment * Tổng số feedback * Charts display the three statistics above overtime (support various type of chart) * Rating * Chart display the rating overtime (in line-chart) |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships**: UC001  **Business Rules:**   * Tổng số người đã xem: The total number of visitors that view the actor’s hospital * Tổng số đăng ký khám bệnh: The total number of appointments requests has been sent to the actor’s respective hospital * Tổng số comment: The total number of comment on the actor’s respective hospital * Tổng số feedback: The total number of feedbacks on the actor’s respective hospital * Rating: The average rating | | | | |

# Create Hospital/ Clinic



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| **USE CASE – UC004** | | | | |
| **Use-case No.** | UC00 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Create Hospital/ Clinic | | | |
| **Author** | Vũ Nhật Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Administrator  **Summary:** Administrator accesses the system, uses Feedback function and sends a review for specific hospital/clinic or the system  **Goal:** Stored new hospital/ clinic to database successfully  **Triggers:** Click on “Tạo bệnh viện/ phòng khám” item on menu bar.  **Preconditions:** User must meet the requirements of use case **UC001** (Login).  **Post Conditions:**   * **Success**: New hospital/clinic is stored in database * **Fail:** New hospital couldn’t be stored in database, display message to users: “Không thể tạo bệnh viện/ phòng khám mới, xin vui lòng thử lại”   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | User goes to Tạo bệnh viện/ phòng khám page | Display the followings:   * Loại: Dropdown list, includes “Bệnh viện” option and “Phòng khám” option * “Chọn” button * “Hủy” button | | 2 | Choose “Bệnh viện” option from dropdown list, then click “Chọn” button | Displays following fields:   * Tên bệnh viện: Textbox (required) * Địa chỉ: Textbox (required) * Số điện thoại: Textbox (required, regular expression: 0/d{9,10} * Fax: Textbox (required, regular expression: 0/d{8}) * Email: Textbox (required, regular expression: @"^ ([a-zA-Z0-9\_\-\.]+)@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.)|(([a-zA-Z0-9\-]+\.)+))([a-zA-Z]{2,4}|[0-9]{1,3})(\]?)$") * Website: Textbox (required, regular expression: (http://|)(www\.)?([^\.]+)\.(\w{2}| (com|net|org|edu|info))$) ) * Mô tả: Text area (required) * Tọa độ: Textbox (required) * “Tạo” button * “Hủy” button | | 3 | User fills the form, then click “Tạo” button | The system validates information then stores new hospital to database |   **Alternative Scenario:**  **A.**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | User goes to Tạo bệnh viện/ phòng khám page | Display   * Loại: Dropdown list, includes “Bệnh viện” option and “Phòng khám” option * “Chọn” button * “Hủy” button | | 2 | Choose “Phòng khám” option from dropdown list, then click “Chọn” button | Displays following fields:   * Tên phòng khám: Textbox (required) * Địa chỉ: Textbox (required) * Số điện thoại: Textbox (required, regular expression: 0/d{9,10} * Fax: Textbox (required, regular expression: 0/d{8}) * Email: Textbox (required, regular expression: @"^ ([a-zA-Z0-9\_\-\.]+)@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.)|(([a-zA-Z0-9\-]+\.)+))([a-zA-Z]{2,4}|[0-9]{1,3})(\]?)$") * Website: Textbox (required, regular expression: (http ://|)(www\.)?([^\.]+)\.(\w{2}| (com|net|org|edu|info))$) ) * Mô tả: Text area (required) * Giờ mở cửa: Text box (required) * Giờ đóng cửa: Text box (required) * Tọa độ: Textbox (required) * “Tạo” button * “Hủy” button | | 3 | User fills the form, then click “Tạo” button | The system validates information then stores new clinic to database |   **B.**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | User clicks “Hủy” buttons | Direct user to homepage |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **No** | **Case** | **System response** | | 1 | “Loại“ is blank | Displays: “Vui lòng chọn loại (bệnh viện hoặc phòng khám.” | | 2 | “Tên bệnh viện“ is blank | Displays: “Vui lòng nhập Tên bệnh viện.” | | 3 | “Địa chỉ“ is blank | Displays: “Vui lòng nhập Địa chỉ.” | | 4 | “Số điện thoại“ is blank | Displays: “Vui lòng nhập Số điện thoại.” | | 5 | “Số điện thoại“ is not number 0~9 | Displays: “Vui lòng chỉ nhập số từ 0 đến 9.” | | 6 | “Fax“ is blank | Displays: “Vui lòng nhập số Fax.” | | 7 | “Fax“ is not number 0~9 | Displays: “Vui lòng chỉ nhập số từ 0 đến 9.” | | 8 | “Email“ is blank | Displays: “Vui lòng nhập địa chỉ Email.” | | 9 | “Website“ is blank | Displays: “Vui lòng nhập địa chỉ website.” | | 10 | “Mô tả“ is blank | Displays: “Vui lòng nhập mô tả sơ bộ.” | | 11 | Either “Giờ mở cửa“ or “Phút“ is blank | Displays: “Vui lòng không để trống giờ/phút.” | | 12 | “Giờ“or “Phút “ is not number 0~9 | Displays: “Vui lòng chỉ nhập số từ 0 đến 9.” | | 13 | “Giờ“ is bigger than 23 | Displays: “Giờ chỉ từ 00 đến 23.” | | 14 | “Phút“ is bigger than 59 | Displays: “Phút chỉ từ 00 đến 59.” | | 15 | “Tọa độ“ is blank | Displays: “Vui lòng nhập tọa độ.” | | 16 | “Tọa độ“ is in incorrect format | Displays: “Không có tọa độ này.” |   **Relationships**: UC001  **Business Rules:** Users must enter valid information in order to successfully store new hospital/ clinic to database | | | | |

# Log out

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| **USE CASE – UC001** | | | | |
| **Use-case No.** | UC001 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Log out | | | |
| **Author** | Vu Nhat Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | High | |
| **Actor:** Users  **Summary:** User use this case to log out of the system.  **Goal:** Allow user to log out of the system and become guest  **Triggers:** Click “Đăng Xuất” button on browsers.  **Preconditions:** Actor must meet the requirements of use case **UC001** (Login).  **Post Conditions:**   * **Successful**: Actors are automatically transfer back to homepage and just only be able to access functions assigned to Guest * **Fail**: Show error message   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Click “Đăng Xuất” button | The system log user out of the system, redirect to homepage |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | User close the webpage or browser | The system automatically log user out |   **Exceptions:** N/A  **Relationships**: N/A  **Business Rules:** N/A | | | | |

# Search Hospital

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| **USE CASE – UC001** | | | | |
| **Use-case No.** | UC001 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Search Hospital | | | |
| **Author** | Vu Nhat Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Guests, Users  **Summary:** This case allows user search and view hospitals/clinics’ location.  **Goal:** Hospital/ Clinic’s location on embed Google Map will be shown.  **Triggers:**   * Actor goes to [www.timkiembenhvien.com](http://www.timkiembenhvien.com) to search * Actor choose basic search “Tìm kiếm cơ bản” or advanced search “Tìm kiếm nâng cao”   **Preconditions:** User must be able to access “[www.timkiembenhvien.com](http://www.timkiembenhvien.com)” page.  **Post Conditions:**   * **Successful**: Show search results which include a list of hospital/ clinic and a map that shows locations. * **Failed**: Show an error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | |  | Actor inputs the name of hospital/ clinic or type of disease or specialties into textbox and clicks “Tìm” button | Display list of hospitals/ clinics with relative name by link-boxes on the left of the screen with brief description   * Tên * Rating trung bình * Địa chỉ   Display an embed Google map on the right showing locations of searched hospitals/ clinics | | 2 | Actor chooses appropriate hospital/ clinic from the list. | Shows specific location of that hospital/ clinic on the map with pop-up screen displaying brief description:   * Tên * Rating trung bình * Địa chỉ * Số điện thoại * Image of that hospital/ clinic   Shows the direction from actor’s current location to the hospital/clinic’s location |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Actor choose “Tìm kiếm nâng cao” | Display following:   * Tên: Textbox * Chuyên khoa: Dropdown list * Địa chỉ: Textbox * “Tìm” button | | 2 | Click “Tìm” button | Display list of hospitals/ clinics with relative name by link-boxes on the left of the screen with brief description   * Tên * Rating trung bình * Địa chỉ   Display an embed Google map on the right showing locations of searched hospitals/ clinics | | 3 | Actor chooses appropriate hospital/ clinic from the list. | Shows specific location of that hospital/ clinic on the map with pop-up screen displaying brief description:   * Tên * Rating trung bình * Địa chỉ * Số điện thoại * Image of that hospital/ clinic   Shows the direction from actor’s current location to the hospital/clinic’s location | |  |  |  |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Actor inputs nothing in textbox in “Tìm kiếm cơ bản” | Display “Xin hãy nhập vào ô tìm kiếm” | | 2 | Actor inputs nothing in “Tìm kiếm nâng cao”’s fields | Display “Xin đừng để trống tất cả các mục, điền ít nhất một mục để tìm kiếm” |   **Relationships**: N/A  **Business Rules:** Result list will be ordered by matching percent. Actor can click on brief description pop-up screen to view details in the hospital/ clinic’s information page.  Actors can view direction from their current location to hospital/clinic’s location with type of transportation (by car, walking, bicycle or bus)  “Tìm kiếm nâng cao” requires at least one field is filled | | | | |

# Search Hospital (Admin)

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| **USE CASE – UC001** | | | | |
| **Use-case No.** | UC001 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Search Hospital (Admin) | | | |
| **Author** | Vu Nhat Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Normal | |
| **Actor:** Administrator  **Summary:** This case allows user search and view hospital/clinic’s information.  **Goal:** Hospital/ Clinic’s information will be shown.  **Triggers:**   * Choose “Tìm bệnh viện/ phòng khám” on menu bar * Actor inputs to a blank textbox or chooses specialty and type (hospital or clinic) then click “Tìm” button.   **Preconditions:** User must be in “Danh sách bệnh viện/ phòng khám” page.  **Post Conditions:**   * **Successful**: Show search results which include a list of hospital/ clinic. * **Failed**: Show an error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 |  | Display list of all hospitals/ clinics | | 2 | Actor inputs the name of hospital/ clinic into textbox then clicks on “Tìm” button | Display list of hospitals/ clinics with relative name as a table with following columns:   * Tên * Rating trung bình * Địa chỉ * Số điện thoại * Fax * Email * Website | | 3 | Actor chooses appropriate hospital/ clinic from the list and clicks on “Tên” link. | Direct to “Thông tin bệnh viện/phòng khám” page which include:   * Thông tin cơ bản:   + Tên bệnh viện   + Rating trung bình   + Địa chỉ   + Số điện thoại   + Fax   + Email   + Website   + Mô tả   + Giờ mở cửa/ đóng cửa (for clinic only) * Các cơ sở:   + Số điện thoại   + Fax * Chuyên khoa: List hospital/ clinic specialties |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | Actor filters the list by “Quận”, “Thành phố” | Display list of all appropriated hospitals/ clinics. | | 2 | Actor chooses appropriate hospital/ clinic from the list and clicks on “Tên” link. | Direct to “Thông tin bệnh viện/phòng khám” page which include:   * Thông tin cơ bản:   + Tên bệnh viện   + Rating trung bình   + Địa chỉ   + Số điện thoại   + Fax   + Email   + Website   + Mô tả   + Giờ mở cửa/ đóng cửa (for clinic only) * Các cơ sở:   + Số điện thoại   + Fax * Chuyên khoa: List hospital/ clinic specialties |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **No.** | **Case** | **System response** | | 1 | Actor inputs nothing in textbox then clicks “Tìm” button | Display “Xin hãy nhập tên bệnh viện/ phòng khám cần tìm” | | 2 | No items in database or the search pattern is not appropriated | Display “Không tìm thấy” |   **Relationships**: N/A  **Business Rules:** Result list will be ordered by matching percent. | | | | |

# Rate Hospital

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| **USE CASE – UC001** | | | | |
| **Use-case No.** | UC001 | **Use-case Version** | | 1.0 |
| **Use-case Name** | Rate Hospital | | | |
| **Author** | Vu Nhat Anh Khoa | | | |
| **Date** | 27/05/2014 | **Priority** | Low | |
| **Actor:** Users  **Summary:** Users use this case to give rating to a specific Hospital  **Goal:** Users can determining a specific hospital’s quality by using five-stars rating system.  **Triggers:** After view specific Hospital/Clinic’s information, user can give rating by clicking the five-stars  **Preconditions:** User must fulfill View specific hospital/clinic use case  **Post Conditions:**   * **Success:** Average rating is showed to user * **Fail:** show error message “Không thể vote”   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | User on a specific Hospital/clinic description page | Display a five-star rating system on the left bellow Hospital/clinic’s name | | 2 | User determine how many stars the hospital/clinic get by clicking to the five-stars | Show the message: “Xin cảm ơn vì đã vote”  Calculate average rating then showed it to the screen |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | **Step** | **Action** | **System response** | | 1 | User has already rate the hospital | Show message: “Bạn đã rate bệnh viện/phòng khám này rồi” |   **Relationships**: N/A  **Business Rules:**  The five stars rating is embed to the website with criteria:   * Rate 5: Excellent * Rate 4: Good * Rate 3: Average * Rate 2: Not very good * Rate 1: Poor | | | | |