Add Student’s Information

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| **USE CASE -** STAFF01 | | | |
| **Use Case No.** | STAFF01 | **Use Case Version** | 1.0 |
| **Use Case Name** | Add Student’s Information | | |
| **Author** | Ho Doan Trung | | |
| **Date** | 25/09/2015 | **Priority** | High |
| **Actor:**   * Student Service Staff   **Summary:**   * This use case allows staff enter list of student into the system   **Goal:**   * Allow staff enters student list. List of new students will be added to the system.   **Triggers:**   * The staff will select function to enter student information.   **Preconditions:**   * Staff login to the system with the rights of the Student Service Staff   **Post Conditions:**   * Success: The system will add list of student and notify it was added successfully * Fail: There is no list were added and the system will display error messages to the staff.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff will log in to site and enter student’s information. | The system will return:   * Page displayed data in order to add information. | | 2 | Staff sends command "add information" in page displays the data to the system. | The system will display the table include::   * Full name: Free text input * Sex: Radio button * Student ID: Free text input * Date of birth: Date * Address: Free text input * Email: email text input * Date admission: Date * Semester begin: Date * Compulsory English class: Drop down list * Supported: Number input * Parent’s phone number: Number input * Parent’s email: email text input | | 3 | Staff will enter new information and send command "Add" to the system. | The system will add new information and notify it was added successfully. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff send command “Import file excel” on website to system. | The system will display interface allows staff to upload excel files directly from your computer to the system. | | 2 | Staff select files to upload and then send the command "Upload" to the system. | The system will add data about student’s information then notify it was “added successfully”. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Length of “Full name” is not in range. | Show error message: “Full name” length must be from 6 to 30 characters!” | | 2 | “Sex” is not specified. | Show error message: “Sex” must be selected!” | | 3 | “Email” is wrong format. | Show error message: “”Email” must be formatted abc@example.fpt.edu.vn!” | | 4 | “Parent’s number” is wrong format. | Show error message: “Parent’s number is the number and length from 8-11 characters!” | | 5 | “Parent’s email” is wrong format. | Show error message: “Parent’s email must be formatted abc@example.com” |   **Relationships:** N/A  **Business Rules:**   * List of students will be displayed in alphabetical order * List of students is pageable. Each page contains a maximum of 50 items | | | |

Update Student’s Information

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| **USE CASE -** STAFF02 | | | |
| **Use Case No.** | STAFF02 | **Use Case Version** | 1.0 |
| **Use Case Name** | Update Student’s Information | | |
| **Author** | Ho Doan Trung | | |
| **Date** | 25/09/2015 | **Priority** | High |
| **Actor:**   * Student Service Staff   **Summary:**   * This use case allows staff update student’s information.   **Goal:**   * Allow staff update student’s information. Student’s information will be updated to the system.   **Triggers:**   * The staff will select a row in list student and send command “Update”.   **Preconditions:**   * Staff login to the system with the rights of the Student Service Staff   **Post Conditions:**   * Success: The system will update student’s information and notify it was updated success full. * Fail: There is no student’s information were updated and the system will display error messages to the staff.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff choose one line in the table and then send command "Update" to the system to update information. | The system will display a table allows staff to edit information from the selected line include:   * Full name: Free text input * Sex: Radio button * Student ID: Free text input * Date of birth: Date * Address: Free text input * Email: email text input * Date admission: Date * Semester begin: Date * Compulsory English class: Drop down list * Supported: Number input * Parent’s phone number: Number input * Parent’s mail: email text input | | 2 | Staff choose the information they need to be updated to edit and then send command "Update" to the system. | The system will update new information and notify it was added successfully. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff enter new information in the wrong format. | The system informs error |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Length of “Full name” is not in range. | Show error message: “Full name” length must be from 6 to 30 characters!” | | 2 | “Sex” is not specified. | Show error message: “Sex” must be selected!” | | 4 | “Parent’s number” is wrong format. | Show error message: “Parent’s number is the number and length from 8-11 characters!” | | 5 | “Parent’s email” is wrong format. | Show error message: “Parent’s email must be formatted abc@example.com” |   **Relationships:** N/A  **Business Rules:**   * Các thành phần có dấu sao là các thành phần bắc buộc và không được để trống. * Các thông tin không được update bao gồm: email sinh viên, MSSV, Semester begin, Compulsory English class, Date admission | | | |

Add Finance Information

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| **USE CASE -** STAFF03 | | | |
| **Use Case No.** | STAFF03 | **Use Case Version** | 1.0 |
| **Use Case Name** | Add Finance Information | | |
| **Author** | Ho Doan Trung | | |
| **Date** | 25/09/2015 | **Priority** | High |
| **Actor:**   * Finance Staff   **Summary:**   * This use case allows staff to enter the system about financial information of FPT University.   **Goal:**   * Allow staff to enter financial information. It will be added to the system.   **Triggers:**   * The staff will select function to enter financial information.   **Preconditions:**   * Staff login to the system with the rights of the Financial Staff   **Post Conditions:**   * Success: Financial information will be added to the system and then notify it was added successfully * Fail: There is no list were added and the system will display error messages to the staff.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff sends command "add information" in page displays the data to the system. | The system will display the table include:   * Tuition fee: Number input. * Relearn fee: Number input. * Exchange rate: Number input. * Fine level: Number input. * “Tiền thu trong kỳ”: Number input. | | 2 | Staff will enter new information and send command "Add" to the system. | The system will add new information and notify it was added successfully |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff send command “Import file excel” to system. | The system will display interface allows staff to upload excel files directly from your computer to the system. | | 2 | Staff selects files to upload. |  | | 3 | Staff send the command "Upload" to the system. | The system will add data finance’s information then notify it was “added successfully”. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | “Tuition fee” is wrong format | Show error message: “”Tuition fee” must be a number!” | | 2 | “Relearn fee” is wrong format | Show error message: “”Relearn fee” must be a number!” | | 3 | “Exchange rate” is wrong format | Show error message: “”Exchange rate” must be a number!” | | 4 | “Fine level” is wrong format | Show error message: “”Fine level” must be a number!” | | 5 | “ Tiền thu trong kỳ ” is wrong format. | Show error message: “”Tiền thu trong kỳ ” must be a number!” |   **Relationships:** N/A  **Business Rules:** N/A | | | |

Update Finance Information

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| **USE CASE -** STAFF04 | | | |
| **Use Case No.** | STAFF04 | **Use Case Version** | 1.0 |
| **Use Case Name** | Update Finance Information | | |
| **Author** | Ho Doan Trung | | |
| **Date** | 25/09/2015 | **Priority** | High |
| **Actor:**   * Finance Staff   **Summary:**   * This use case allows staff to update about financial information of FPT University.   **Goal:**   * Allow staff to update financial information. It will be updated to the system.   **Triggers:**   * The staff will send command “Update financial information” to system.   **Preconditions:**   * Staff login to the system with the rights of the Financial Staff   **Post Conditions:**   * Success: Financial information will be updated to the system and then notify it was updated successfully * Fail: There is no finance’s informatuon were updated and the system will display error messages to the staff.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff choose one line in the table and then send command "Update" to the system to update information. | The system will display a table allows staff to edit information from the selected line include:   * Tuition fee: Number input. * Relearn fee: Number input. * Exchange rate: Number input. * Fine level: Number input. * Tiền thu trong kỳ: Number input. | | 2 | Staff can choose the information they need to be updated to edit and then send the command "Update" to the system. | The system will update new information and notify it was added successfully. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff enter new information in the wrong format. | The system informs error |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | “Tuition fee” is wrong format | Show error message: “”Tuition fee” must be a number!” | | 2 | “Relearn fee” is wrong format | Show error message: “”Relearn fee” must be a number!” | | 3 | “Exchange rate” is wrong format | Show error message: “”Exchange rate” must be a number!” | | 4 | “Fine level” is wrong format | Show error message: “”Fine level” must be a number!” | | 5 | “ Tiền thu trong kỳ ” is wrong format. | Show error message: “”Tiền thu trong kỳ ” must be a number!” |   **Relationships:** N/A  **Business Rules:** N/A | | | |

Add Student Study Result

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| **USE CASE -** STAFF05 | | | |
| **Use Case No.** | STAFF05 | **Use Case Version** | 1.0 |
| **Use Case Name** | Add Student Study Result | | |
| **Author** | Ho Doan Trung | | |
| **Date** | 25/09/2015 | **Priority** | High |
| **Actor:**   * Education Staff   **Summary:**   * This use case allows staff to enter to the system study results of student after each semester   **Goal:**   * Allow staff to enter the final study results. It will be added to the system   **Triggers:**   * The staff will send command “Add study results ” to the system   **Preconditions:**   * Staff must login to the system with the right of Education Staff   **Post Conditions:**   * Success: Final study results will be added to the system and then notify it was added successfully * Fail: There is no information were added and the system will display error messages to the staff.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff will login to site and enter study result | The system will return:   * Page displayed data in order to add or edit information. | | 2 | Staff sends command "add information" in page displays the data to the system. | The system will display the table include::   * Student ID: Free text input * Full name: Free text input * Mail: Email input * Score: Number input * Status: Free text input * Subject: Free text input | | 3 | Staff will enter new information. |  | | 4 | Staff send command "Add" to the system. | The system will add new information and notify it was added successfully. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff send command “Import file excel” to system. | The system will display interface allows staff to upload excel files directly from your computer to the system. | | 2 | Staff selects files to upload. |  | | 3 | Staff send the command "Upload" to the system. | The system will add data learning results then notify it was “added successfully”. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Length of “Full name” is not in range. | Show error message: ““Full name” length must be from 6 to 30 characters!” | | 2 | “Score” is wrong format. | Show error message: ""Score "must be the number and has a value greater than 0 and less than 10!" | | 3 | “Email” is wrong format. | Show error message: “”Email” phải đúng định dạng abc@example.fpt.edu.vn!” |   **Relationships:** N/A  **Business Rules:** N/A | | | |

Update Student Study Result

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| **USE CASE -** STAFF06 | | | |
| **Use Case No.** | STAFF06 | **Use Case Version** | 1.0 |
| **Use Case Name** | Update Student Study Result | | |
| **Author** | Ho Doan Trung | | |
| **Date** | 25/09/2015 | **Priority** | High |
| **Actor:**   * Education Staff   **Summary:**   * This use case allows staff update to the system study results of student after each semester   **Goal:**   * Allow staff to update study results. It will be updated to the system.   **Triggers:**   * The staff will send command “Update study results” to the system.   **Preconditions:**   * Staff must login to the system with the right of Education Staff   **Post Conditions:**   * Success: Final study results will be updated to the system and then notify it was added successfully * Fail: There is no information were updated and the system will display error messages to the staff.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff choose one line in the table and then send command "Update" to the system to update information. | The system will display a table allows staff to edit information from the selected line include:   * Student ID: Free text input * Full name: Free text input * Mail: Email input * Score: Number input * Status: Free text input * Subject: Free text input | | 2 | Staff can choose the information they need to be updated to edit. |  | | 3 | Staff send the command "Update" to the system. | The system will update new information and notify it was added successfully. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff enter new information in the wrong format. | The system informs error |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Length of “Full name” is not in range. | Show error message: ““Full name” length must be from 6 to 30 characters!” | | 2 | “Score” is wrong format. | Show error message: ""Score "must be the number and has a value greater than 0 and less than 10!" | | 3 | “Email” is wrong format. | Show error message: “”Email” phải đúng định dạng abc@example.fpt.edu.vn!” |   **Relationships:** N/A  **Business Rules:** N/A | | | |

Admin create account

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| USE CASE - Admin01 | | | |
| Use Case No. | Admin01 | **Use Case Version** | 1.0 |
| Use Case Name | Create Account | | |
| Author | Ho Doan Trung | | |
| Date | 25/09/2015 | **Priority** | High |
| Actor:   * Admin   Summary:   * This use case allows admin to create new user account for the system.   Goal:   * Allows admin to create new user account. New user account will be added to the system.   Triggers:   * Admin send command “Create new account” to the system.   Preconditions:   * User must log in the system with admin role.   Post Conditions:   * Success: New user account will be added and redirect to “Manage User” page. Display success message. * Fail: No account will be created. Display error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Admin send command “Thêm nhân viên” to the system. | Navigate to “Thêm nhân viên” pop-up which contains:   * Username: Free text input. * Email: Email input. * Role: Drop down list. | | 2 | Admin fills data to the form. |  | | 3 | Admin send command “Thêm” to the system. | Insert new user account to the system and redirect to “Quản lý nhân viên” page. |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Admin clicks outside pop-up. | Pop-up dismiss and still keep data for next time open. |   Exceptions:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Length of username is not in range. | Show error message: “Username length must be from 6 to 30 characters!” | | 2 | Length of password is not in range. | Show error message: “Password length must be from 8 to 30 characters!” | | 3 | “Email” does not right format. | Show error message: “Email must be right format abc@fpt.edu.vn!“ | | 4 | Role is not specified. | Show error message: “The role must be selected!” |   Relationships: N/A  Business Rules:   * Each created account must be in active state when it’s inserted to system. * Password is generated random by system that contains 8 character, mixes both number and letter. * Password is sent to user email automatically. * User must change password when they login system for the first time. | | | |

Admin Delete Account

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| USE CASE - Admin02 | | | |
| Use Case No. | Admin02 | **Use Case Version** | 1.0 |
| Use Case Name | Delete Account | | |
| Author | Ho Doan Trung | | |
| Date | 25/09/2015 | **Priority** | High |
| Actor:   * Admin   Summary:   * This use case allows admin to delete user account for the system.   Goal:   * Allows admin to delete user account. Old user account will be deleted to the system.   Triggers:   * Admin send command “Delete account” to the system.   Preconditions:   * User must log in the system with admin role.   Post Conditions:   * Success: Old user account will be deleted and redirect to “Manage User” page. Display success message. * Fail: No account will be deleted. Display error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Admin choose a account in table |  | | 2 | Admin send command “Delete account” | Show message: “Do you want to delete this account?” | | 3 | Admin send command “Yes” to the system. | User account will be deleted and system show message: “Delete Successful!” |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | |  |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 |  |  |   Relationships: N/A  Business Rules: | | | |

Admin add course

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| **USE CASE -** Admin03 | | | |
| **Use Case No.** | Admin03 | **Use Case Version** | 1.0 |
| **Use Case Name** | Add Course | | |
| **Author** | Ho Doan Trung | | |
| **Date** | 25/09/2015 | **Priority** | High |
| **Actor:**   * Admin   **Summary:**   * This use case allows admin enter list of course into the system   **Goal:**   * Allow admin enters course list. List of course will be added to the system.   **Triggers:**   * The admin will send command “Add course” to the system.   **Preconditions:**   * User must login to the system with the rights of the admin.   **Post Conditions:**   * Success: The system will add list of course and notify it was added successfully * Fail: There is no list were added and the system will display error messages to the admin.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff sends command "add course" in page displays the data to the system. | The system will display the table include::   * “Tên môn học”: Free text input * “Số tín chỉ”: Number input * “Môn tiên quyết”: Drop down list các môn học * Mã môn: Free text input | | 2 | Staff will enter new information |  | | 3 | Staff send command "Add" to the system. | The system will add new information and notify it was added successfully. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Staff send command “Import file excel” on website to system. | The system will display interface allows staff to upload excel files directly from your computer to the system. | | 2 | Staff select files to upload and then send the command "Upload" to the system. | The system will add data about course’s information then notify it was “added successfully”. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Length of “Tên môn học” is not in range. | Show error message: “Full name” length must be from 6 to 30 characters!” | | 2 | “Mã môn” is wrong format. | Show error message: “Full name” length must be from 3 to 8 characters!” | | 3 | “Số tín chỉ” is wrong format. | Show error message: “Số tín chỉ phải là số!” |   **Relationships:** N/A  **Business Rules:** | | | |

Admin delete course

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| USE CASE - Admin04 | | | |
| Use Case No. | Admin04 | **Use Case Version** | 1.0 |
| Use Case Name | Delete Course | | |
| Author | Ho Doan Trung | | |
| Date | 25/09/2015 | **Priority** | High |
| Actor:   * Admin   Summary:   * This use case allows admin to delete course for the system.   Goal:   * Allows admin to delete course. Old course will be deleted to the system.   Triggers:   * Admin send command “Delete course” to the system.   Preconditions:   * User must log in the system with admin role.   Post Conditions:   * Success: Old course will be deleted. Display success message. * Fail: No account will be deleted. Display error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Admin choose a course in table |  | | 2 | Admin send command “Delete course ” | Show message: “Do you want to delete this course ?” | | 3 | Admin send command “Yes” to the system. | User account will be deleted and system show message: “Delete Successful!” |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | |  |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 |  |  |   Relationships: N/A  Business Rules: | | | |

Schedule Create Finance Planning

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| USE CASE – System01 | | | |
| Use Case No. | System01 | **Use Case Version** | 1.0 |
| Use Case Name | Create Finance Planning | | |
| Author | Ho Doan Trung | | |
| Date | 25/09/2015 | **Priority** | High |
| Actor:   * System   Summary:   * This use case auto create finance planning in next semester for students.   Goal:   * Auto create finance planning in next semester for students.   Triggers:   * Hệ thống sẽ tự động lập lịch trước thời hạn nhập học 3 tuần.   Preconditions:   * Hệ thống phải nhận được file kế hoạch học tập từ nhân viên đào tạo.   Post Conditions:   * Success: Tự động gửi mail cho sinh viên đúng thời hạn. * Fail: Báo lỗi cho nhân viên biết gửi mail không thành công do không nhận được file kế hoạch học tập.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 |  | Hệ thống matching thời gian với kế hoạch học tập có trong hệ thống. | | 2 |  | Hệ thống tự động gửi mail đến các sinh viên. | | 3 |  | Hệ thống hiển thị thông báo đến nhân viên đào tạo: “Đã gửi thành công” và hiển thị danh sách sinh viên đã được gửi mail |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | |  |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 |  |  |   Relationships: N/A  Business Rules:   * Phải thông báo cho sinh viên trước thời hạn nhập học 3 tuần * Gửi thông báo cho nhân viên đào tạo khi gửi mail thành công * Chỉ gửi cho những sinh viên cần nộp học phí như: sinh viên bình thường, sinh viên vay tín dụng, sinh viên cùng bạn đầu tư. * Điều chỉnh chi phí cần nộp đối với từng đối tượng sinh viên. | | | |