ADMIN

#### 

#### UC-1 Admin Login

#### 

| UC ID and Name: | UC-1 Admin Login | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: | None |
| Trigger: | Admin has an account | | |
| Description: | Admin login with their username and password | | |
| Preconditions: | Admin has an account | | |
| Post-conditions: | Admin can access the system | | |
| Normal Flow: | **1.0 Admin Login:**   1. Admin goes to EduBlock. 2. Admin enters their username and password. 3. System verifies username and password. 4. System redirect Admin to dashboard. | | |
| Alternative Flows: | None | | |
| Exceptions: | If the username or password is incorrect, the system will display an error message. | | |
| Priority: | High (Medium, Low) | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: |  | | |
| Assumptions: |  | | |

#### UC-2 Admin view list of accounts

#### 

| UC ID and Name: | UC-2 Admin view list of accounts | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: |  |
| Trigger: | Admin clicks “Accounts” on the sidebar. | | |
| Description: | System shows a list of all accounts. | | |
| Preconditions: | Admin is logged in. | | |
| Post-conditions: | System shows a list of all accounts. | | |
| Normal Flow: | **1.0 Admin view list of accounts:**   1. Admin goes to EduBlock. 2. Admin login with username and password. 3. Admin click on “Accounts”. 4. System shows list of all accounts | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays notification “No account found” if there is no account | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: |  | | |
| Assumptions: |  | | |

#### UC-3 Admin view account details

#### 

| UC ID and Name: | UC-3 Admin view account details | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: | None |
| Trigger: | Admin click on "Details" (human icon) on the actions column. | | |
| Description: | Admin login with their username and password | | |
| Preconditions: | Admin is logged in. | | |
| Post-conditions: | System shows a list of all accounts. | | |
| Normal Flow: | **1.0 Admin view account details:**   1. Admin goes to EduBlock. 2. Admin login with username and password. 3. Admin click on “Account”. 4. Admin click on "Details" (human icon) on the actions column. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays notification “No account found” if there is no account | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: |  | | |
| Assumptions: |  | | |

#### UC-4 Admin create (multiple) account

#### 

| UC ID and Name: | UC-4 Admin create (multiple) account | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: | None |
| Trigger: | Admin click on the “Create Account” button. | | |
| Description: | Admin can create (multiple) accounts for each role such as staff, student, teacher. | | |
| Preconditions: | Admin is logged in. | | |
| Post-conditions: | System create (multiple) accounts. | | |
| Normal Flow: | **1.0 Create one account:**   1. Admin goes to EduBlock. 2. Admin login with username and password. 3. Admin click on “Account”. 4. Admin click on the “Create” button. 5. Admin fill in the form. 6. Admin click on the “Confirm Create” button. 7. System create account. | | |
| Alternative Flows: | **1.1 Create multiple account:**   1. Admin can create multiple accounts by clicking on the “Add Account" button. 2. Admin return to step 5 - 7 | | |
| Exceptions: | System displays error notification if the form is not filled correctly. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-3 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### UC-5 Admin search account

#### 

| UC ID and Name: | UC-5 Admin search account | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: | None |
| Trigger: | Admin enter text on search bar | | |
| Description: | Admin can search accounts by text, username, email, id, first name and last name. | | |
| Preconditions: | Admin is logged in. | | |
| Post-conditions: | System shows a list of accounts that match the search criteria. | | |
| Normal Flow: | **1.0 Search by text:**   1. Admin goes to EduBlock. 2. Admin login with username and password. 3. Admin click on “Account”. 4. Admin click on the search bar 5. Admin input text to search account. 6. System shows a list of accounts that match the search criteria. | | |
| Alternative Flows: | **1.1 Search by filter:**   1. Admin add search criteria by clicking on “Search in” field. 2. Admin return to step 5 - 6. | | |
| Exceptions: | System displays notification “No account found” if there is no account that matches the search criteria. | | |
| Priority: | Medium | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### UC-6 Admin update their profile

#### 

| UC ID and Name: | UC-6 Admin update their profile | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: | None |
| Trigger: | Admin update their profile’s information | | |
| Description: | Admin is logged in. | | |
| Preconditions: | Admin is logged in. | | |
| Post-conditions: | System update admin's profile. | | |
| Normal Flow: | **1.0 Admin update profile:**   1. Admin goes to EduBlock. 2. Admin login with username and password. 3. Admin click on their avatar above the logout button at bottom left. 4. Admin click on the "Update" button at top right corner. 5. A form will appear, admin then input their new information. 6. Admin click "Submit". 7. System update admin's information and show success message. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays notification if the form is not filled correctly. | | |
| Priority: | Medium | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### UC-7 Admin change password of another account

#### 

| UC ID and Name: | UC-7 Admin change password of another account | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: | None |
| Trigger: | Admin click confirm change password of the account | | |
| Description: | Admin can change the password of another account. | | |
| Preconditions: | Admin is logged in. | | |
| Post-conditions: | System change password of target account. | | |
| Normal Flow: | **1.0 Admin update password of another account:**   1. Admin goes to EduBlock. 2. Admin login with username and password. 3. Admin click on “Account”. 4. System shows a list of all accounts. 5. Admin click on "Change Password" (lock icon) on the actions column. 6. Admin input new password. 7. Admin click "Submit". 8. System changes password of the target account and shows | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays notification if the password is invalid. | | |
| Priority: | Medium | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### UC-8 Admin get grade report and get classification report in a year

#### 

| UC ID and Name: | UC-8 Admin get grade report and get classification report in a year | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: | None |
| Trigger: | Admin click “Get grade report” or “Get classification report” button | | |
| Description: | Admin gets a grade report or classification report in a year. | | |
| Preconditions: | Admin is logged in.  Class exists. | | |
| Post-conditions: | System export report to admin's computer. | | |
| Normal Flow: | **1.0 Admin get grade report:**   1. Admin goes to EduBlock. 2. Admin login with username and password. 3. At dashboard Admin choose year and grade to get a report. 4. Admin click the "Get Report" button. 5. System ready to export report to admin's computer. 6. Admin choose where to save the file and click "Save". | | |
| Alternative Flows: | **1.0 Admin get classification report:**   1. Admin do step 1 - 3 2. Admin click "Get Classification Report" to get classification report. 3. System ready to export report to admin's computer. 4. Admin choose where to save the file and click "Save". | | |
| Exceptions: | Button will be disabled if there is no data to generate a report. | | |
| Priority: | Medium | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### UC-9 Admin get report of a class

#### 

| UC ID and Name: | UC-9 Admin get report of a class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: | None |
| Trigger: | Admin click “Get classroom report” button in the class | | |
| Description: | Admin gets a report of a class. | | |
| Preconditions: | Admin is logged in.  Class exists. | | |
| Post-conditions: | System export report to admin's computer. | | |
| Normal Flow: | **1.0 Admin get classroom report:**   1. Admin goes to EduBlock. 2. Admin login with username and password. 3. Admin choose "Classroom" on the sidebar. 4. System shows a list of all classes. 5. Admin click on the "Details" button on the actions column to view details of a class. 6. On the details page Admin click the "Get classroom report" button. 7. System ready to export report to admin's computer. 8. Admin choose where to save the export and click "Save". | | |
| Alternative Flows: | None | | |
| Exceptions: | If class doesn't exist Admin will not be able to get a report. | | |
| Priority: | Medium | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### UC-10 Admin view classrooms list

#### 

| UC ID and Name: | UC-10 Admin view classrooms list | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: | None |
| Trigger: | Admin click “Classroom” on the sidebar. | | |
| Description: | Admin can view a list of all classrooms. | | |
| Preconditions: | Admin is logged in.  Class exists. | | |
| Post-conditions: | System shows a list of all classrooms. | | |
| Normal Flow: | **1.0 Admin view classrooms list:**   1. Admin goes to EduBlock. 2. Admin login with username and password. 3. Admin click on "Classroom" on the sidebar. 4. System shows a list of all classrooms. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays notification “No classroom found” if there is no classroom. | | |
| Priority: | Medium | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-11 Admin view classroom details*

#### 

| UC ID and Name: | UC-11 Admin view classroom details | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: | None |
| Trigger: | Admin click the"Details" button on the actions column to view details of a classroom. | | |
| Description: | Admin can view details of a classroom. | | |
| Preconditions: | Admin is logged in.  Classroom exists. | | |
| Post-conditions: | System shows details of a classroom. | | |
| Normal Flow: | **1.0 Admin view details of a classroom:**   1. Admin goes to EduBlock. 2. Admin login with username and password. 3. Admin click on "Classroom" on the sidebar. 4. System shows a list of all classrooms. 5. Admin click on the "Details" button on the actions column to view details of a classroom. 6. System shows details of a classroom. | | |
| Alternative Flows: | None | | |
| Exceptions: | If the classroom doesn’t exist then Admin can’t view details of the classroom. | | |
| Priority: | Medium | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-12 Admin Create statistic key*

#### 

| UC ID and Name: | UC-12 Admin Create statistic key | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Admin | Secondary Actors: | None |
| Trigger: | Admin click on the "Create new Statistic key" button. | | |
| Description: | Admin can create a statistic key for third-party's member. | | |
| Preconditions: | Admin is logged in. | | |
| Post-conditions: | System creates a statistical key. | | |
| Normal Flow: | **1.0 Admin creates a statistical key:**   1. Admin goes to EduBlock. 2. Admin login with username and password. 3. Admin click on "Manage stats key list" on the sidebar. 4. Admin chooses grade and year. 5. Admin then clicks on the "Create new Statistic key" button. 6. System creates a statistic key and shows it on the list. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays notification if the key can't be created. | | |
| Priority: | Medium | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1, BR-10 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

STAFF

#### *UC-13 Staff Login*

#### 

| UC ID and Name: | UC-13 Staff Login | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff enter username, password and click the “Login” button. | | |
| Description: | Staff can login with their username and password. | | |
| Preconditions: | Staff has an account. | | |
| Post-conditions: | Staff can access the system. | | |
| Normal Flow: | **1.0 Staff login:**   1. Staff goes to EduBlock. 2. Staff enters their username and password. 3. System verifies the username and password. 4. System redirect Staff to dashboard. | | |
| Alternative Flows: | None | | |
| Exceptions: | The system will display notification if the username or password is incorrect. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-14 Staff view list of accounts*

#### 

| UC ID and Name: | UC-14 Staff view list of accounts | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff login and click “Accounts” on sidebar | | |
| Description: | Staff can view a list of all accounts. | | |
| Preconditions: | Staff is logged in. | | |
| Post-conditions: | System shows a list of all accounts. | | |
| Normal Flow: | **1.0 Staff view accounts list:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Account”. 4. System shows a list of all accounts. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays notification “No account found” if there is no account. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-15 Staff view account details*

#### 

| UC ID and Name: | UC-15 Staff view account details | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click on "Details" (human icon) on the actions column. | | |
| Description: | Staff can view account details. | | |
| Preconditions: | Staff is logged in. | | |
| Post-conditions: | System shows account details | | |
| Normal Flow: | **1.0 Staff view account details:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Account”. 4. Staff click on "Details" (human icon) on the actions column. 5. System shows account details. | | |
| Alternative Flows: | None | | |
| Exceptions: | If the account doesn’t exist then Staff can’t view a | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-16 Staff search account*

#### 

| UC ID and Name: | UC-16 Staff search account | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff input text and search criteria into search bar | | |
| Description: | Staff can search accounts by text, username, email, id, first name and last name. | | |
| Preconditions: | Staff is logged in. | | |
| Post-conditions: | System shows a list of accounts that match the search criteria. | | |
| Normal Flow: | **1.0 Staff search account:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Account”. 4. Staff click on the “Search” button. 5. Staff input text to search account. 6. System shows a list of accounts that match the search criteria. | | |
| Alternative Flows: | **1.1 Staff search account by criteria:**   1. Staff add search criteria by clicking on the “Search in” field. 2. Staff choose which criteria to search. 3. Staff then return step 5 - 6. | | |
| Exceptions: | System displays notification “No account found” if there is no account that matches the search criteria. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-17 Staff view class list*

#### 

| UC ID and Name: | UC-17 Staff view class list | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click “Classroom” on sidebar | | |
| Description: | Staff can view a list of all classes. | | |
| Preconditions: | Staff is logged in. | | |
| Post-conditions: | System shows a list of all classes. | | |
| Normal Flow: | **1.0 Staff view class list:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. System shows a list of all classes. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays notification “No class found” if there is no class. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-18 Staff create new class*

#### 

| UC ID and Name: | UC-18 Staff create new class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff fill in create class form and click submit. | | |
| Description: | Staff create a new class. | | |
| Preconditions: | Staff is logged in. | | |
| Post-conditions: | System creates a new class. | | |
| Normal Flow: | **1.0 Staff create new class:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. Staff click on the “Create” button. 5. A form will appear, staff then input class's information and choose the homeroom teacher. 6. Staff click "Create classroom". 7. System creates a new class and shows a success message. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays error notification if the form is not filled correctly.  System displays error notification if the class already exists. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1, BR-2 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-19 Staff view class details*

#### 

| UC ID and Name: | UC-19 Staff view class details | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click on "Details" (details icon) on the actions column corresponding to each class. | | |
| Description: | Staff view details of a class. | | |
| Preconditions: | Staff is logged in. | | |
| Post-conditions: | System shows class details | | |
| Normal Flow: | **1.0 Staff view class details:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. Staff click on "Details" (details icon) on the actions column. 5. System shows class details. | | |
| Alternative Flows: | None | | |
| Exceptions: | If class doesn’t exist then Staff can’t view class details | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-20 Staff edit class*

#### 

| UC ID and Name: | UC-20 Staff edit class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click the “Submit” button after filling in the class information form. | | |
| Description: | Staff edit class information. | | |
| Preconditions: | Staff is logged in.  Class exist. | | |
| Post-conditions: | System update class's information | | |
| Normal Flow: | **1.0 Staff edit classroom details:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. Staff click on "Details" (details icon) on the actions column. 5. System shows class details. 6. Staff click "Update details". 7. A form will appear, staff then edit class's information. 8. Staff click “Submit”. 9. System edits the class's information and shows a success message. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays error notification if the form is not filled correctly. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1, BR-2 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-21 Staff view student of a class*

#### 

| UC ID and Name: | UC-21 Staff view student of a class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click "Students" in classroom details | | |
| Description: | System shows a list of students in a class. | | |
| Preconditions: | Staff is logged in.  Class exists. | | |
| Post-conditions: | System shows a list of students in a class. | | |
| Normal Flow: | **1.0 Staff view student of a class:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. Staff click on "Details" (icon) on the actions column. 5. System shows class details. 6. Staff click "Students". 7. System shows a list of students in the class. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays a notification “No student found” if there is no student in the class. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-22 Staff add students to a class*

#### 

| UC ID and Name: | UC-22 Staff add students to a class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click “Confirm” after filling in create student form | | |
| Description: | Staff add students to a class. | | |
| Preconditions: | Staff is logged in.  Class exists.  Student is not in the class | | |
| Post-conditions: | System adds students to the class. | | |
| Normal Flow: | **1.0 Staff add one student:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. Staff click on "Details" (details icon) on the actions column. 5. System shows class details. 6. Staff click "Students". 7. System shows a list of students in the class. 8. Staff click "Add students". 9. A form will appear, staff then choose students to add to the class. 10. Staff click "Confirm". 11. System adds students to the class and shows a success message. | | |
| Alternative Flows: | **1.1 Staff add multiple students:**   1. Staff can click “Add student” to add more students. 2. Staff then choose students to add to the class. 3. Staff return step 10 - 11 | | |
| Exceptions: | 1. System displays error notification if the form is not filled correctly. 2. System displays error notification if the student is already in the class. 3. System displays error notification if no student is selected. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1, BR-2 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-23 Staff view student details*

#### 

| UC ID and Name: | UC-23 Staff view student details | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click on "Details" (icon) on actions column correspond to each student | | |
| Description: | Staff view details of a student. | | |
| Preconditions: | Staff is logged in.  Student exists.  Student is in a class.. | | |
| Post-conditions: | System shows student details. | | |
| Normal Flow: | **1.0 Staff view student details:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. Staff click on "Details" (icon) on the actions column. 5. System shows class details. 6. Staff click "Students". 7. System shows a list of students in the class. 8. Staff click "Details" (icon) on the actions column. 9. System shows student details. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays a notification “No student found” if there is no student in the class. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-24 Staff edit student information*

#### 

| UC ID and Name: | UC-24 Staff edit student information | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click the “Update” button after filling in the update student form. | | |
| Description: | Staff edit student's information. | | |
| Preconditions: | Staff is logged in.  Student exists.  Student is in a class. | | |
| Post-conditions: | System edit student's information. | | |
| Normal Flow: | **1.0 Staff edit student information:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. Staff click on "Details" (icon) on the actions column. 5. System shows class details. 6. Staff click "Students". 7. System shows a list of students in the class. 8. Staff click "Details" (icon) on the actions column. 9. System shows student details. 10. Staff click the "Update" button. 11. A form will appear, staff then edit student's information. 12. System edits student's information and shows a success message. | | |
| Alternative Flows: | **1.1 Staff reset form:**   1. Staff click the "Reset" button in case they want to reset the form. | | |
| Exceptions: | System displays error notification if the form is not filled correctly. | | |
| Priority: | Medium | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1, BR-2 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-25 Staff remove student from a class*

#### 

| UC ID and Name: | UC-25 Staff remove student from a class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click "Remove" (icon) on the actions column correspond to each student | | |
| Description: | Staff remove students from a class. | | |
| Preconditions: | Staff is logged in.  Class exists.  Student exists.  Student is in a class | | |
| Post-conditions: | System removes students from the class. | | |
| Normal Flow: | **1.0 Staff removes students from the class:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. Staff click on "Details" (details icon) on the actions column. 5. System shows class details. 6. Staff click "Students". 7. System shows a list of students in the class. 8. Staff click “Remove” (icon) on the actions column. 9. System removes students from the class and shows a success message. | | |
| Alternative Flows: | System displays error notification if the student is not in the class. | | |
| Exceptions: | System displays error notification if the student is not in the class. | | |
| Priority: | Medium | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1, BR-2 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-26 Staff view teacher of a class*

#### 

| UC ID and Name: | UC-26 Staff view teacher of a class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click “Teachers” in class details | | |
| Description: | Staff view list of teachers in a class. | | |
| Preconditions: | Staff is logged in.  Class exists. | | |
| Post-conditions: | System shows a list of teachers in a class. | | |
| Normal Flow: | **1.0 Staff view teacher in a class:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. Staff click on “Details” (icon) on the actions column. 5. System shows class details. 6. Staff click “Teachers”. 7. System shows a list of teachers of the class. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays a notification “No teacher found” if there is no teacher in the class. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1, BR-2 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-27 Staff assign teacher(s) to a class*

#### 

| UC ID and Name: | UC-27 Staff assign teacher(s) to a class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click “Confirm” after chose teacher to assign | | |
| Description: | Staff view list of teachers in a class. | | |
| Preconditions: | Staff is logged in.  Class exists. | | |
| Post-conditions: | System assigns the teacher(s) to a class. | | |
| Normal Flow: | **1.0 Staff assign a teacher:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. Staff click on “Details” (icon) on the actions column. 5. System shows class details. 6. Staff click “Teachers”. 7. System shows a list of teachers of the class. 8. Staff click “Add teachers”. 9. A form will appear, staff then choose the teacher and the subject they will teach. 10. Staff click “Confirm”. 11. System adds a teacher to the class and shows a success message. | | |
| Alternative Flows: | **1.1 Staff assign multiple teachers:**   1. Staff click “Add teacher” to add more teachers. 2. Staff choose teachers and subjects. 3. Staff click “Confirm”. 4. System adds teachers to the class and shows a success message. | | |
| Exceptions: | 1. System displays error notification if the form is not filled correctly. 2. System displays error notification if the teacher is already in the class. 3. System displays error notification if no teacher is selected. 4. System displays error notification if no subject is selected. | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | BR-1, BR-2 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-28 Staff remove teacher from a class*

#### 

| UC ID and Name: | UC-28 Staff remove teacher from a class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click "Remove" (icon) on the actions column correspond to each teacher | | |
| Description: | Staff removed the teacher from the class. | | |
| Preconditions: | Staff is logged in.  Class exists.  Teacher exists.  Teacher is in a class. | | |
| Post-conditions: | System removed the teacher from the class. | | |
| Normal Flow: | **1.0 Staff removed teacher from a class:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Classroom”. 4. Staff click on “Details” (icon) on the actions column. 5. System shows class details. 6. Staff click “Teachers”. 7. System shows a list of teachers of the class. 8. Staff click “Remove” (icon) on the actions column. 9. System removes the teacher from the class and shows a success message. | | |
| Alternative Flows: | None | | |
| Exceptions: | None | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1, BR-2 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-29 Staff edit their profile*

#### 

| UC ID and Name: | UC-29 Staff edit their profile | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click the "Submit" button after filling edit profile form | | |
| Description: | Staff edit their profile. | | |
| Preconditions: | Staff is logged in | | |
| Post-conditions: | System edit staff’s profile. | | |
| Normal Flow: | **1.0 Staff edit their profile:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on their avatar at the bottom left of the screen. 4. System display staff’s profile. 5. Staff click the “Update” button. 6. A form will appear, staff then edit their information. 7. Staff click the “Submit” button. 8. System edits staff’s information and shows a success message. | | |
| Alternative Flows: | **1.1 Staff reset their password:**   1. Staff click the Change Password button to change their password. 2. A form will appear, staff then edit their password. 3. Staff click the “Submit” button. 4. System edits the staff's password and shows a success message. | | |
| Exceptions: | System displays error notification if the form is not filled correctly. | | |
| Priority: | Medium | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-30 Staff print student record*

#### 

| UC ID and Name: | UC-30 Staff print student record | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click “Print Record” in the student profile. | | |
| Description: | Staff print student’s records. | | |
| Preconditions: | Staff is logged in.  Student exists. | | |
| Post-conditions: | System will save a file for staff to print student’s records. | | |
| Normal Flow: | **1.0 Staff print student’s records:**   1. Staff goes to EduBlock. 2. Teacher login with username and password. 3. On the classroom list Staff click on “Details” (icon) on the actions column. 4. System shows class details. 5. Staff click “Students”. 6. System shows a list of students in the class. 7. Staff choose a student and click “Details” (icon) on the actions column. 8. System shows student details. 9. Staff click the “Print Record” button at the Record section of the student profile. 10. System shows a print preview of the student's records. 11. Staff click the “Save” button. 12. System saves student’s records to the teacher's computer. 13. Staff using printers to print student’s records. | | |
| Alternative Flows: | On save, staff click the “Cancel” button to cancel. | | |
| Exceptions: | None | | |
| Priority: | High | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-31 Staff get grade report and get classification report in a year*

#### 

| UC ID and Name: | UC-31 Staff get grade report and get classification report in a year | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click “Get grade report” or “Get classification button”. | | |
| Description: | Staff get a grade report or classification report in a year. | | |
| Preconditions: | Staff is logged in.  Class exists. | | |
| Post-conditions: | System export report to staff’s computer. | | |
| Normal Flow: | **1.0 Staff get of a grade in a year:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. At dashboard Staff choose year and grade to get a report. 4. Staff click the “Get Report” button. 5. System ready to export report to staff’s computer. 6. Staff choose where to save the export and click “Save”. | | |
| Alternative Flows: | **1.1 Staff get classification report:**   1. Staff click “Get Classification Report” to get classification report. 2. System ready to export classification report to staff’s computer. 3. Staff choose where to save the export and click “Save”. | | |
| Exceptions: | Button will be disabled if there is nothing to report. | | |
| Priority: | High | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

### 

#### *UC-32 Staff create statistic key*

#### 

| UC ID and Name: | UC-32 Staff create statistic key | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Staff | Secondary Actors: | None |
| Trigger: | Staff click on the "Create new Statistic key" button. | | |
| Description: | Staff create a statistical key for third-party. | | |
| Preconditions: | Staff is logged in. | | |
| Post-conditions: | System creates a statistical key. | | |
| Normal Flow: | **1.0 Staff create statistic key:**   1. Staff goes to EduBlock. 2. Staff login with username and password. 3. Staff click on “Manage stats key list” on the sidebar. 4. Staff choose grade and year. 5. Staff then click on the “Create new Statistic key” button. 6. System creates a statistic key and shows it on the list. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays notification if the key can’t be created. | | |
| Priority: | Medium | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

TEACHER

#### *UC-33 Teacher Login*

#### 

| UC ID and Name: | UC-33 Teacher Login | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teacher clicks the “Login” button after entering the username and password. | | |
| Description: | Teacher login to EduBlock. | | |
| Preconditions: | Teacher has an account. | | |
| Post-conditions: | System login teacher to EduBlock. | | |
| Normal Flow: | **1.0 Teacher Login:**   1. Teacher goes to EduBlock. 2. Teacher goes to the login page. 3. Teacher enters username and password. 4. Teacher clicks the “Login” button. 5. System authorizes and login teachers to EduBlock. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays error notification if the username or password is incorrect. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-34 Teacher view their profile*

#### 

| UC ID and Name: | UC-34 Teacher view their profile | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teachers click on their avatar at the bottom left of the screen. | | |
| Description: | Teacher views their profile. | | |
| Preconditions: | Teacher is logged in. | | |
| Post-conditions: | System displays the teacher’s profile. | | |
| Normal Flow: | **1.0 Teacher view their profile:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. Teacher clicks on their avatar at the bottom left of the screen. 4. System displays the teacher’s profile. | | |
| Alternative Flows: | None | | |
| Exceptions: | None | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-35 Teacher change their password*

#### 

| UC ID and Name: | UC-35 Teacher change their password | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teacher clicks the “Submit” button after entering a new password. | | |
| Description: | Teacher changes their password. | | |
| Preconditions: | Teacher is logged in. | | |
| Post-conditions: | System successfully changed the teacher password. | | |
| Normal Flow: | **1.0 Teacher change their password:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. Teacher clicks on their avatar at the bottom left of the screen. 4. System displays the teacher’s profile. 5. Teacher clocks “Change Password” button. 6. System display form to change password. 7. Teacher enters the old password, the new password and confirms the new password. 8. Teacher clicks the “Submit” button. 9. System changes the teacher's password and shows a success message. | | |
| Alternative Flows: | Teacher clicks on the “X” button to cancel. | | |
| Exceptions: | System displays an error notification if the password is invalid. | | |
| Priority: | High | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-36 Teacher view their classes*

#### 

| UC ID and Name: | UC-36 Teacher view their classes | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teachers login to the dashboard where classes are displayed. | | |
| Description: | Teachers view homeroom class and classes they’re teaching | | |
| Preconditions: | Teacher is logged in. | | |
| Post-conditions: | System displays the teacher's classes. | | |
| Normal Flow: | **1.0 Teacher view their classes:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. On login success, the system will redirect teachers to the dashboard where classes will be displayed. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays notification “No class found” if there is no class. | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-37 Teacher view class details*

#### 

| UC ID and Name: | UC-37 Teacher view class details | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teachers choose a class and click on "Details" (icon) on the actions column. | | |
| Description: | Teacher views class details. | | |
| Preconditions: | Teacher is logged in.  Class exists.  Teacher is assigned to the class.  Teacher is in the class. | | |
| Post-conditions: | System display class details | | |
| Normal Flow: | **1.0 Teacher view class details:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. At the dashboard Teacher chooses a class and clicks on “Details” (icon) on the actions column. 4. System shows class details. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays error notification if the class is not found. | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-38 Teacher view students in a class*

#### 

| UC ID and Name: | UC-38 Teacher view students in a class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teachers click “Student” in class details | | |
| Description: | Teacher view list of students in a class. | | |
| Preconditions: | Teacher is logged in.  Class exists.  Teacher is assigned to the class.  Teacher is in the class. | | |
| Post-conditions: | System shows a list of students in a class. | | |
| Normal Flow: | **1.0 Teacher view students in a class:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. On the dashboard Teacher clicks on “Details” (icon) on the actions column. 4. System shows class details. 5. Teacher clicks “Students”. 6. System shows a list of students in the class. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays a notification “No student found” if there is no student in the class. | | |
| Priority: | High | | |
| Frequency of Use: |  | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-39 Teacher view teachers in the class*

#### 

| UC ID and Name: | UC-39 Teacher view teachers in the class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teachers click “Teachers” in class details | | |
| Description: | Teacher view list of teachers who teach in the class. | | |
| Preconditions: | Teacher is logged in.  Class exists.  Teacher is assigned to the class.  Teacher is in the class. | | |
| Post-conditions: | System shows a list of teachers in the class. | | |
| Normal Flow: | **1.0 Teacher view teachers in the class:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. On the dashboard Teacher clicks on “Details” (icon) on the actions column. 4. System shows class details. 5. Teacher clicks “Teachers”. 6. System shows a list of teachers of the class. | | |
| Alternative Flows: | System displays a notification “No teacher found” if there is no teacher in the class. | | |
| Exceptions: | System displays a notification “No teacher found” if there is no teacher in the class. | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-40 Teacher view Student details*

#### 

| UC ID and Name: | UC-40 Teacher view Student details | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teacher clicks “Details” (icon) on the actions column corresponding to each student. | | |
| Description: | Teacher views student details. | | |
| Preconditions: | Teacher is logged in.  Student exists.  Teacher is assigned to the class.  Teacher is in the class.  Student is in the class. | | |
| Post-conditions: | System shows student details. | | |
| Normal Flow: | **1.0 Teacher view Student details:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. On the dashboard Teacher clicks on “Details” (icon) on the actions column. 4. System shows class details. 5. Teacher clicks “Students”. 6. System shows a list of students in the class. 7. Teacher clicks “Details” (icon) on the actions column. 8. System shows student details. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays “Student not found” if no student is in class. | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-41 Teacher print student’s records*

#### 

| UC ID and Name: | UC-41 Teacher print student’s records | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teacher clicks the "Print Record" button at the Record session of the student profile. | | |
| Description: | Teacher exports student’s records. | | |
| Preconditions: | Teacher is logged in.  Student exists.  Teacher is assigned to the class.  Teacher is in the class.  Student is in the class. | | |
| Post-conditions: | System saves student’s records to the teacher's computer. | | |
| Normal Flow: | **1.0 Teacher print student’s records:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. On the dashboard (classroom list) Teacher clicks on “Details” (icon) on the actions column. 4. System shows class details. 5. Teacher clicks “Students”. 6. System shows a list of students in the class. 7. Teacher clicks “Details” (icon) on the actions column. 8. System shows student details. 9. Teacher scrolls down to the “Record” section. 10. Teacher chooses the class to print. 11. Teacher clicks the “Print Record” button at the Record session of the student profile. 12. System shows a print preview of the student's records. 13. Teacher clicks the “Save” button. 14. System saves student’s records to the teacher's computer. 15. Teacher then uses a printer to print the saved file. | | |
| Alternative Flows: | On save, the teacher clicks “Cancel” to cancel the save process. | | |
| Exceptions: | None | | |
| Priority: | Medium | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-42 Subject teacher change student’s score of their subject*

#### 

| UC ID and Name: | UC-42 Subject teacher change student’s score of their subject | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teacher fills the update record form and clicks the "Request" button. | | |
| Description: | Subject teacher changes the student’s score. | | |
| Preconditions: | Teacher is logged in.  Student exists.  Teacher is assigned to the class.  Teacher is in the class.  Student is in the class. | | |
| Post-conditions: | Subject teacher successfully changed the student’s score of their subject. | | |
| Normal Flow: | **1.0 Subject teacher change student’s score of their subject:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. On the dashboard (classroom list) Teacher clicks on “Details” (icon) on the actions column. 4. System shows class details. 5. Teacher clicks “Students”. 6. System shows a list of students in the class. 7. Teacher clicks “Details” (icon) on the actions column. 8. System shows student details. 9. Teacher clicks “Request Update” (icon) on the Action column at Record session of student profile. 10. System show edit score form. 11. Teacher fills the form and clicks the “Request” button. 12. System sends requests to edit the student's score. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays error notification if the form is not filled correctly. | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | BR-1, BR-5 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-43 Teacher upload Record using image*

#### 

| UC ID and Name: | UC-43 Teacher upload Record using image | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teacher click “Upload record” button in Record session of student details | | |
| Description: | Teacher upload Record using image. | | |
| Preconditions: | Teacher is logged in.  Student exists.  Teacher is assigned to the class.  Teacher is in the class.  Student is in the class. | | |
| Post-conditions: | System analyzes and generates records from the image. | | |
| Normal Flow: | **1.0 Teacher upload Record using image:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. On the dashboard (classroom list) Teacher clicks on “Details” (icon) on the actions column. 4. System shows class details. 5. Teacher clicks “Students”. 6. System shows a list of students in the class. 7. Teacher clicks “Details” (icon) on the actions column. 8. System shows student details. 9. Teacher clicks the “Upload Record” button at the Record session of the student profile. 10. System shows upload methods. 11. Teacher chooses upload methods. 12. Teacher upload image. 13. System analyzes and generates records from the image. 14. Teacher clicks the “Upload” button. 15. System saves the Record. | | |
| Alternative Flows: | None | | |
| Exceptions: | If the system can’t recognize the image, it will show notification. | | |
| Priority: | Medium | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-44 Teacher view list of pending Records Request and Approve or Reject*

#### 

| UC ID and Name: | UC-44 Teacher view list of pending Records Request and Approve or Reject | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teacher clicks on the "Pending Verification" button at the sidebar. | | |
| Description: | Teacher view list of pending record’s request. | | |
| Preconditions: | Teacher is logged in.  Student exists.  Teacher is assigned to the class.  Teacher is in the class.  Student is in the class.  Subject teacher sent a request to edit the student's grade. | | |
| Post-conditions: | System shows a list of pending record’s requests. | | |
| Normal Flow: | **1.0 Teacher view list of pending Records Request and Approve:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. Teacher clicks on the “Pending Verification” button at the sidebar. 4. System shows a list of pending record’s request. 5. Teacher clicks “Approve” (check icon) on the Action column to approve the request. 6. System approves the request. | | |
| Alternative Flows: | **1.1 Teacher reject the request:**   1. Teacher clicks “Reject” (close icon) on the Action column to reject the request. 2. System rejects the request. | | |
| Exceptions: | System displays “No pending request” if there is no pending request. | | |
| Priority: | High | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-45 Teacher view history of student’s records changes*

#### 

| UC ID and Name: | UC-45 Teacher view history of student’s records changes | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teachers hover on the "History" button(icon) at Action columns of Record sessions. | | |
| Description: | Teacher views the history of the student's records changes. | | |
| Preconditions: | Teacher is logged in.  Student exists.  Teacher is assigned to the class.  Teacher is in the class.  Student is in the class. | | |
| Post-conditions: | System shows the history of student’s records changes. | | |
| Normal Flow: | **1.0 Teacher view history of student’s records changes:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. On the dashboard (classroom list) Teacher clicks on “Details” (icon) on the actions column. 4. System shows class details. 5. Teacher clicks “Students”. 6. System shows a list of students in the class. 7. Teacher clicks the “Details” (icon) on the actions column. 8. System shows student details. 9. Teacher scrolls down to the “Record” section. 10. Teachers hover on the “History” button(icon) at Action columns of Record sessions. 11. System shows the history of student’s records changes. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays nothing if there are no changes. | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-46 Teacher request to change student’s grade*

#### 

| UC ID and Name: | UC-46 Teacher request to change student’s grade | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Teacher | Secondary Actors: | None |
| Trigger: | Teacher clicks "Request Update" (icon) on the Action column at the Record session of the student profile. | | |
| Description: | Teacher requests to change the student's grade. | | |
| Preconditions: | Teacher is logged in.  Student exists.  Teacher is in the class.  Student is in the class. | | |
| Post-conditions: | Teacher successfully requests to change the student's grade. | | |
| Normal Flow: | **1.0 Teacher request to change student’s grade:**   1. Teacher goes to EduBlock. 2. Teacher login with username and password. 3. On the dashboard (classroom list) Teacher clicks on “Details” (icon) on the actions column. 4. System shows class details. 5. Teacher clicks “Students”. 6. System shows a list of students in the class. 7. Teacher clicks “Details” (icon) on the actions column. 8. System shows student details. 9. Teacher clicks “Request Update” (icon) on the Action column at Record session of student profile. 10. System show edit grade form. 11. Teacher fills the form and clicks the “Request” button. 12. System sends a request to change the student's grade to the subject teacher. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays error notification if the form is not filled correctly. | | |
| Priority: | High | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

STUDENT

#### *UC-47 Student login*

#### 

| UC ID and Name: | UC-47 Student login | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Student | Secondary Actors: | None |
| Trigger: | Students click the “Login” button after entering the username and password. | | |
| Description: | Students can login to EduBlock. | | |
| Preconditions: | Student has an account. | | |
| Post-conditions: | EduBlock brings students to the dashboard. | | |
| Normal Flow: | **1.0 Student login:**   1. Students go to EduBlock. 2. Students click “Login” at the homepage. 3. System redirect student to login page. 4. Students enter username and password. 5. System checks the credentials. 6. System brings the student to the dashboard. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays error notification if the credentials are not correct. | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-48 Student view list of class they are in*

#### 

| UC ID and Name: | UC-48 Student view list of class they are in | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Student | Secondary Actors: | None |
| Trigger: | Student login to EduBlock. | | |
| Description: | Student view list of classes they are in. | | |
| Preconditions: | Student is logged in.  Student is in the class. | | |
| Post-conditions: | System shows a list of classes they are in. | | |
| Normal Flow: | **1.0 Student view list of class they are in:**   1. Students go to EduBlock. 2. Student login with username and password. 3. System brings the student to the dashboard. 4. Classes are listed on the dashboard. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays “No class” if there is no class. | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | BR-1, BR-5 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-49 Student view class details*

#### 

| UC ID and Name: | UC-49 Student view class details | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Student | Secondary Actors: | None |
| Trigger: | Students click "Details" (icon) on the actions column. | | |
| Description: | Student view class details. | | |
| Preconditions: | Student is logged in.  Student is in the class. | | |
| Post-conditions: | System shows class details. | | |
| Normal Flow: | **1.0 Student view class details:**   1. Students go to EduBlock. 2. Student login with username and password. 3. System brings the student to the dashboard. 4. Classes are listed on the dashboard. 5. Students click “Details” (icon) on the actions column. 6. System shows class details. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays “No class” if there is no class. | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | BR-1, BR-5 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-50 Student view teachers in the class*

#### 

| UC ID and Name: | UC-50 Student view teachers in the class | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Student | Secondary Actors: | None |
| Trigger: | Students click on “Teachers” in class details. | | |
| Description: | Students view teachers in the class. | | |
| Preconditions: | Student is logged in.  Student is in the class. | | |
| Post-conditions: | System shows a list of teachers in the class. | | |
| Normal Flow: | **1.0 Student view teachers in the class:**   1. Students go to EduBlock. 2. Student login with username and password. 3. System brings the student to the dashboard. 4. Classes are listed on the dashboard. 5. Students click “Details” (icon) on the actions column. 6. System shows class details. 7. Students click “Teachers”. 8. System shows a list of teachers in the class. | | |
| Alternative Flows: | None | | |
| Exceptions: | System displays “No teacher” if there is no teacher. | | |
| Priority: | Medium | | |
| Frequency of Use: | Medium | | |
| Business Rules: | BR-1, BR-5 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-51 Student view their profile*

#### 

| UC ID and Name: | UC-51 Student view their profile | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Student | Secondary Actors: | None |
| Trigger: | Students login and click on their avatar at the bottom left corner. | | |
| Description: | Students view their profile. | | |
| Preconditions: | Student is logged in.  Student is in the class. | | |
| Post-conditions: | Students are able to view their profile. | | |
| Normal Flow: | **1.0 Student view their profile:**   1. Students go to EduBlock. 2. Student login with username and password. 3. System brings the student to the dashboard. 4. Students click on their avatar at the bottom left corner. 5. System shows student details. | | |
| Alternative Flows: | None | | |
| Exceptions: | None | | |
| Priority: | Medium | | |
| Frequency of Use: | Medium | | |
| Business Rules: | BR-1, BR-5 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-52 Student view their academic records*

#### 

| UC ID and Name: | UC-52 Student view their academic records | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Student | Secondary Actors: | None |
| Trigger: | Students go to their profile and scroll down to the “Record” section. | | |
| Description: | Students view their academic records. | | |
| Preconditions: | Student is logged in.  Student is in the class. | | |
| Post-conditions: | System shows their academic records. | | |
| Normal Flow: | **1.0 Student view their academic records:**   1. Students go to EduBlock. 2. Student login with username and password. 3. System brings the student to the dashboard. 4. Students click on their avatar at the bottom left corner. 5. System shows student details. 6. Students scroll down to the “Record” section. 7. Students view their academic records. | | |
| Alternative Flows: | At the dashboard, students click on “View My Record” (icon) on the actions column.  System shows their academic records.  Students view their academic records. | | |
| Exceptions: | System displays “No record” if there is no record. | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | BR-1, BR-5 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-53 Student send request to ask for re-check their academic records*

#### 

| UC ID and Name: | UC-53 Student send request to ask for re-check their academic records | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Student | Secondary Actors: | None |
| Trigger: | Students click the “Request record change” icon on the action column of the Record section. | | |
| Description: | Students send requests to ask for re-check their academic records. | | |
| Preconditions: | Student is logged in. | | |
| Post-conditions: | System send request of student. | | |
| Normal Flow: | **1.0 Student send request to ask for re-check their academic records:**   1. Students go to EduBlock. 2. Student login with username and password. 3. System brings the student to the dashboard. 4. Students click on their avatar at the bottom left corner. 5. System shows student details. 6. Students scroll down to the “Record” section. 7. Students click the “Request record change” icon on the action column. 8. System show form to send request. 9. Students fill the form and click “Submit”. 10. System sends requests to students. | | |
| Alternative Flows: | System display notification if the form is not filled correctly. | | |
| Exceptions: | System display notification if the form is not filled correctly. | | |
| Priority: | High | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-54 Student create key for parent to view their academic profile and records*

#### 

| UC ID and Name: | UC-54 Student create key for parent to view their academic profile and records | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Student | Secondary Actors: | None |
| Trigger: | Students click “Create Key”. | | |
| Description: | Students create keys for parents to view their academic profile and records. | | |
| Preconditions: | Student is logged in. | | |
| Post-conditions: | System creates a key for students. | | |
| Normal Flow: | **1.0 Student create key for parent to view their academic profile and records:**   1. Students go to EduBlock. 2. Student login with username and password. 3. System brings the student to the dashboard. 4. Students click on “Managed verified key”. 5. Students click the “Create key” button. 6. System creates a key for students. 7. The key is displayed on the screen. 8. Students copy the key and send it to their parents. 9. Parents use the key to view a student's academic profile and records. | | |
| Alternative Flows: | None | | |
| Exceptions: | On entering the key, the system displays “Invalid key” if the key is invalid. | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | BR-1, BR-10 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-55 Student print their academic records*

#### 

| UC ID and Name: | UC-55 Student print their academic records | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Student | Secondary Actors: | None |
| Trigger: | Students click the "Print Record" button at the bottom of the record table. | | |
| Description: | Students print their academic records. | | |
| Preconditions: | Student is logged in. | | |
| Post-conditions: | System saves the academic records file to the student's computer. | | |
| Normal Flow: | **1.0 Student print their academic records:**   1. Students go to EduBlock. 2. Student login with username and password. 3. System brings students to the dashboard (classroom list). 4. At the dashboard Student clicks on “View my record icon” on the actions column corresponding to the class. 5. System shows student details. 6. Students scroll down to the “Record” section. 7. Students click the “Print Record” button at the bottom of the record table. 8. System shows print preview. 9. System saves the academic records file to the student's computer. 10. Students then use printers to print the file. | | |
| Alternative Flows: | System will cancel the save file process if the student clicks the “Cancel” button. | | |
| Exceptions: | System will cancel the save file process if the student clicks the “Cancel” button. | | |
| Priority: | High | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-1 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### *UC-56 Student view history of their academic record's changes*

#### 

| UC ID and Name: | UC-56 Student view history of their academic record's changes | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Student | Secondary Actors: | None |
| Trigger: | Students hover on the "History" icon on the action column of the Record table. | | |
| Description: | Students view history of their academic record's changes. | | |
| Preconditions: | Student is logged in. | | |
| Post-conditions: | Systems show history of their academic record's changes. | | |
| Normal Flow: | **1.0 Student view history of their academic record's changes:**   1. Students go to EduBlock. 2. Student login with username and password. 3. At the dashboard Student clicks on "View my record icon" on the actions column corresponding to the class. 4. System shows student details. 5. Students scroll down to the "Record" section. 6. Students hover on the "History" icon on the action column. 7. Systems show history of their academic record's changes. | | |
| Alternative Flows: | System displays nothing if there are no changes. | | |
| Exceptions: | System displays nothing if there are no changes. | | |
| Priority: | Medium | | |
| Frequency of Use: | Medium | | |
| Business Rules: | BR-1, BR-5 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

THIRD-PARTY

#### *UC-57 Third-party view student's academic profile and records*

#### 

| UC ID and Name: | UC-57 Third-party view student's academic profile and records | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Third-party | Secondary Actors: | None |
| Trigger: | Third-party enter the verified key. | | |
| Description: | Third-party view student's academic profile and records by using verified key that student created without logging in. | | |
| Preconditions: | Third-party has the key. | | |
| Post-conditions: | System shows the student's academic profile and records for third-party's member. | | |
| Normal Flow: | **1.0 Third-party view student's academic profile and records:**   1. Third-party goes to EduBlock. 2. Third-party enter the key. 3. System shows the student's academic profile and records for third-party's member. | | |
| Alternative Flows: | System displays "Invalid key" if the key is invalid. | | |
| Exceptions: | System displays "Invalid key" if the key is invalid. | | |
| Priority: | Medium | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-10 | | |
| Other Information: | None | | |
| Assumptions: | None | | |

#### 

#### *UC-58 Third-party's member view statistics of a grade in a year*

#### 

#### 

| UC ID and Name: | UC-58 Third-party's member view statistics of a grade in a year | | |
| --- | --- | --- | --- |
| Created By: | Khoi Nguyen | Date Created: | 5/12/2022 |
| Primary Actor: | Third-party | Secondary Actors: | None |
| Trigger: | Third-party enter statistics key. | | |
| Description: | System shows statistics of a grade in a year for third-party's member. | | |
| Preconditions: | Staff or admin created the key.  Third-party's member has the key. | | |
| Post-conditions: | System shows the student's academic profile and records for third-party's member. | | |
| Normal Flow: | **1.0 Third-party's member view statistics of a grade in a year:**   1. Third-party go to EduBlock. 2. Third-party go to the "Statistics key verification" page. 3. Third-party enter the key. 4. System shows statistics of a grade in a year for third-party's member. | | |
| Alternative Flows: | System displays "Invalid key" if the key is invalid. | | |
| Exceptions: | System displays "Invalid key" if the key is invalid. | | |
| Priority: | Medium | | |
| Frequency of Use: | Low | | |
| Business Rules: | BR-1, BR-10 | | |
| Other Information: | None | | |
| Assumptions: | None | | |