

ICT Enabled Services

Software Requirements Specification (SRS)

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Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| TanziaRahman | 24-07-14 | First Initial Draft of SRS | 1.0 |
| TanziaRahman&ShirinAkter | 08-09-14 | Second Version of SRS | 2.0 |

# Introduction

## Purpose& Project Scope

The main purpose of the BEP Management Information System application is generally to be able to track Schools, Students, Stakeholders data which includes student profile, school information, teacher’s information and the BRAC Education Program operation information as a whole. To minimize the manual workload of these activities, BEP came up with a project which electronically automates many of these processes by introducing the specialized BEP Management Information System.

# Functional Requirements

The system modules are enumerated in this section where Use Cases are provided to illustrate and describe each module’s functionality and movement.

## Login

The login screen allows the user to access the application. When a valid username and password are provided, the application will direct the user to the main screen of the application which by default displays the dashboard. Modules opened will depend on the role or the access right assigned to the user account used during login.

|  |  |  |
| --- | --- | --- |
| Use Case Element | Description | |
| Use Case Number | 1 | |
| Application | Logging In | |
| Use Case Name | System User logs in to the application | |
| Use Case Description | The System User accesses the application by logging in | |
| Primary Actor | System User | |
| Pre-condition | The System User must have a valid user account to the application | |
| Post-condition | N/A | |
| Trigger | N/A | |
| Fields | N/A | |
| Basic Flow | **USER**  The user launches the application by opening a browser and typing the application URL.  User enters a VALID username and password then clicks on Login. | **SYSTEM**  System opens BEP-MIS login screen.  System opens the main screen of the application or the Dashboard. |
| Alternate Flow 1 – Invalid or Blank Values | **USER**  The user launches the application by opening an Firefox browser and typing the application URL  User enters INVALID values for username and password then clicks on Login | **SYSTEM**  System opens BEP-MIS login screen  System displays an error message  “Invalid Credentials! Access Denied.” |

## User Role Management

The user role management module allows the authorized user to configure the different user roles which will use accessing the different module of application. Each user role will be assigned name, description and list of user rights.

### User Role Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 2 |
| Application | User role creation |
| Use Case Name | Usercan create a new user role |
| Use Case Description | Creating a new user role that will use accessing the different module of application. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights. |
| Post-condition | * System will display the home page of the application& user can create new role by clicking on ‘User Role’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘User Role’ link from ‘Setup’ options. * System displays existing user role list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘User Role’ screen. * Fills the valid user role information and clicks the ‘add’ button. * If information is valid then system adds the user role information into system database and closes the ‘User Role’ form screen. * If information is not valid system displays the error message |
| Fields | * Name   + Entry for role name   + Allow only alpha numeric characters   + Min Length: 1   + Max Length: 150   + Special characters is not allowed   + Is required * Description   + Entry for role description   + Allow alpha numeric characters   + Min Length: 0   + Max Length: 500   + Special characters allowed   + Not required * Rights * Search suggestion to add existing user rights. * Is required |

### User Role Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 3 |
| Application | User role modification |
| Use Case Name | Authorized user modifies a user role |
| Use Case Description | Editinguserrole details information. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have modification rights. |
| Post-condition | * System will display the home page of the application & user can modify existing role by clicking on ‘User Role’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘User Role’ link from ‘Setup’ options. * System displays existing user role list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘User Role’ screen with selected user right information. * Fills the valid user role& user right information. * Clicks the ‘update’ button. * If information is valid then system updates the user role information into system database and closes the ‘User Role’ from screen. * If information is not valid, it will not save into system and displays the error message. |
| Fields | See **2.2.1 User Role Creation**: fields |

### User Role Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 4 |
| Application | User role deletion |
| Use Case Name | Authorized user deletes a user role |
| Use Case Description | Removing user role information. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have deletion rights. |
| Post-condition | * System will display the home page of the application & user can delete role by clicking on ‘User Role’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘User Role’ link from ‘Setup’ options. * System displays existing user role list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the user role information from system database and updates the ‘user role’ list. |
| Fields |  |

## User Right Management

The user right management allows the authorized user to configure the different user rights which will use accessing the different module of application. Each user right will be assigned name and description.

### User Right Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 5 |
| Application | User right creation |
| Use Case Name | Authorized user creates a new user right |
| Use Case Description | Creating a new user right that will be used in User Rolemodule. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have creation rights. |
| Post-condition | * System will display the home page of the application & user can create new right by clicking on ‘User Right’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘User Right’ link from ‘Setup’ options. * System displays existing user right list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘User Right’ form screen. * Fills the valid user right information and clicks the ‘add’ button. * If information is valid then system adds the user right information into system database and closes the ‘User Right’ form screen. * If information is not valid system displays the error message. |
| Fields | * Name   + Entry for user right name   + Allow only alpha numeric characters   + Min Length: 1   + Max Length: 150   + Special characters is not allowed   + Is required * Description   + Entry for user right description   + Allow alpha numeric characters   + Min Length: 0   + Max Length: 500   + Special characters allowed   + Not required |

### User Right Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 6 |
| Application | User right modification |
| Use Case Name | Authorized user modifies a user right |
| Use Case Description | Editinguser right details information. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have modification rights. |
| Post-condition | * System will display the home page of the application & user can modify existing right by clicking on ‘User Right’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘User Right’ link from ‘Setup’ options. * System displays existing user right list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘User Right’ screen with selected user right information. * Fills the valid user right information and clicks the ‘update’ button. * If information is valid then system updates the user right information into system database and closes the ‘User Right’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.3.1 User Right Creation**: fields |

### User Right Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 7 |
| Application | User right deletion |
| Use Case Name | Authorized user deletes a user right |
| Use Case Description | Removing user right information. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have deletion rights. |
| Post-condition | * System will display the home page of the application & user can delete right by clicking on ‘User Right’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘User Right’ link from ‘Setup’ options. * System displays existing user right list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the user right information from system database and updates the ‘user right’ list. |
| Fields | See **2.3.1 User Right Creation**: fields |

## User Define Values Management

The user definesvaluesmanagementmoduleallows the authorized user to configure or create list of data for using in different modules. Each user define values will be assigned parent category, category, value and description.

Example: If we want to create list of place(Division, District and Area) then

**Create Division list:**

* **Parent Category:**Bangladesh
* **Category:**Division
* **Value:**Dhaka
* **Description:** N/A

**Create District list:**

* **Parent Category:**Division
* **Parent Value:**Dhaka
* **Category:**District
* **Value:**Mymensingh
* **Description:** N/A

**Create Area list:**

* **Parent Category:**District
* **Parent Value:** Mymensingh
* **Category:**Area
* **Value:**Shambhuganj
* **Description:** N/A

### User Define Values Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 8 |
| Application | User define values creation |
| Use Case Name | Authorized user creates a new user define values |
| Use Case Description | Creating a new user define values that will be usedindifferent module like Session, which will use in school, student & teacher module. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have creation rights |
| Post-condition | * System will display the user define values creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘User Define Values’ link from ‘Setup’ options. * System displays existing user define values list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘User Define Values’ screen. * Fills the valid User define values information and clicks the ‘add’ button. * If information is valid then system adds the User define values information into system database and closes the ‘User Define Values’ screen. * If information is not valid system displays the error message. |
| Fields | * Parent Category * Select existing category for using parent category from dropdown list   + Not required * Parent values * Select existing parent values from dropdown list * Not required * Category   + Enter a newcategory   + Allow alpha numeric characters   + Min Length: 1   + Max Length: 150   + Special characters not allowed * Is required * Value   + Entera value under the category   + Allow alpha numeric characters   + Min Length: 1   + Max Length: 150   + Special characters allowed * Is required * Description   + Entry for category description   + Allow alpha numeric characters   + Min Length: 0   + Max Length: 500   + Special characters allowed   + Not required |

### User Define ValuesModification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 9 |
| Application | User Define Values modification |
| Use Case Name | Authorized user modifies a User Define Values |
| Use Case Description | EditingUser Define Values details information. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have modification rights. |
| Post-condition | * System will display the User Define Values modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘User Define Values’ link from ‘Setup’ options. * System displays existing User Define Values list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘User Define Values’ screen with selected User Define Values information. * Fills the valid User Define Values information and clicks the ‘update’ button. * If information is valid then system updates the User Define Values information into system database and closes the ‘User Define Values’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.4.1 User Define Values Creation**: fields |

### User Define ValuesDeletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 10 |
| Application | User Define Values deletion |
| Use Case Name | User Administrator deletes a User Define Values |
| Use Case Description | RemovingUser Define Valuesinformationfromsystem. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have deletion rights. |
| Post-condition | * System will display the User Define Values deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘User Define Values’ link from ‘Setup’ options. * System displays existing User Define Values list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the User Define Values information from system database and updates the ‘User Define Values’ list. |
| Fields | See **3.4.1 User Define Values Creation**: fields |

## User Type Management

The user type management module allows the authorized user to configure the different user types which will be usedby User management module. Each user type will be assigned code and name.

### User TypeCreation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 11 |
| Application | User type creation |
| Use Case Name | Authorized user creates a new user type |
| Use Case Description | Creating a new user type that will be used by user management module. For example: Admin, Teacher, Branch Manager etc. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have creation rights |
| Post-condition | * System will display the home page of the application & user can create new user type by clicking on ‘User Type’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Authorized user clicks the ‘User Type’ link from ‘Setup’ options. * System displays existing user type list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘User Type’ form screen. * Fills the valid user type information and clicks the ‘add’ button. * If information is valid then system adds the user type information into system database and closes the ‘User Type’ form screen. * If information is not valid system displays the error message. |
| Fields | * Code   + Entry for type’s code   + Allow only alpha numeric characters   + Min Length: 1   + Max Length: 150   + Special characters is not allowed   + Is required * Name   + Entry for right’s name   + Allow alpha numeric characters   + Min Length: 0   + Max Length: 150   + Special characters allowed   + Not required |

### User TypeModification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 12 |
| Application | User type modification |
| Use Case Name | Authorized user modifies a user type |
| Use Case Description | Editing user typedetails information |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have modification rights. |
| Post-condition | * System will display the home page of the application & user can modify existing user type by clicking on ‘User Type’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘User Type’ link from ‘Setup’ options. * System displays existing user type list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘User Type’ screen with selected user type information. * Fills the valid user type information and clicks the ‘update’ button. * If information is valid then system updates the user type information into system database and closes the ‘User Type’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.5.1 User Type Creation**: fields |

### User TypeDeletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 13 |
| Application | User type deletion |
| Use Case Name | Authorized user deletes a user type |
| Use Case Description | Removing user typeinformation. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have deletion rights |
| Post-condition | * System will display the home page of the application & user can delete user type by clicking on ‘User Type’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘User Type’ link from ‘Setup’ options. * System displays existing user type list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the user type information from system database and updates the ‘user type’ list. |
| Fields | See **2.5.1 User Type Creation**: fields |

## User Management

The user management module allows the authorized user to configure the different users who will have access to the application. Each user will be assigned a username and password and will also be given access rights to the modules in the system.

### User Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 14 |
| Application | User creation |
| Use Case Name | An authorized usercan create a new user account |
| Use Case Description | Creating a new user account that will have access to the different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the home page of the application & user can create new user by clicking on ‘User Account’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘User Account’ link from ‘Setup’ options. * System displays existing user list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘User’ form screen. * User administrator fills the valid user information and clicks the ‘add’ button. * If information is valid then system adds the user information into system database and closes the ‘User’ form screen. * If information is not valid system displays the error message. |
| Fields | * PIN   + Entry for pin   + Column type: String   + Web: Allow only alpha numeric characters   + Max Length: 100   + Not required * E-mail   + Entry for user’s e-mail address   + Allow alphanumeric characters   + Min Length: 0   + Max Length: 100   + Special characters allowed   + Not required * Username   + Entry for the username   + Allow alphanumeric characters   + Min Length: 1   + Max Length: 100   + Special characters not allowed   + Is required * Password   + Entry for user’s password   + String: encrypted   + Web: Allow alphanumeric characters   + Min Length: 1   + Max Length: 500   + Special characters allowed   + Is required * Type   + Select user type from dropdown:     1. Administrator     2. BEP Employee     3. Viewer     4. Teacher     5. Regional Manager     6. Branch Manager     7. Area Manager     8. PO   + Static values   + Is required * Organization   + Select organization from existing organization list   + Not required * Assign Role   + Select role from existing dropdown list   + Not required * Sex   + Select sex from dropdown list   + Not required * First Name   + Entry for user’s first name   + Allow alpha numeric characters   + Min Length: 1   + Max Length: 150   + Special characters is allowed   + Is required * Middle Name   + Entry for user’s middle name   + Allow alpha numeric characters   + Min Length: 0   + Max Length: 150   + Special characters allowed   + Not required * Last Name   + Entry for user’s last name   + Allow alpha characters   + Min Length: 0   + Max Length: 150   + Special characters allowed   + Not required * Designation   + Entry for designation information   + Max Length: 150   + Not required * Phone/Contact numbers   + Entry for user’s phone number   + Allow alphanumeric characters   + Min Length: 0   + Max Length: 150   + Special characters allowed   + Not required * Date of birth   + Entry for user’s date of birthday   + Allow only date   + Not required * Educational attainment   + Entry for user’s educational attainment   + Allow only alpha numeric characters   + Min Length: 0   + Max Length: 500   + Not required * Civil status   + Entry for user’s civil status   + Min Length: 0   + Max Length: 150   + Not required * Training attended   + Entry for user’s training attended information   + Min Length: 0   + Max Length: 500   + Not required * Religion   + Select religion from dropdown list   + Not required * Tribe/Ethnicity   + Select from dropdown list   + Not required * Dialect spoken   + Entry for user’s dialect spoken information   + Min Length: 0   + Max Length: 150   + Not required * Avg. Family monthly income   + Entry for user’s Avg. Family monthly income   + Allow only numeric characters   + Not required |

### User Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 15 |
| Application | User modification |
| Use Case Name | Authorized user modifies a user account |
| Use Case Description | Editing user account details. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have modification rights |
| Post-condition | * System will display the home page of the application & user can modify existing user by clicking on ‘User Account’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘User Account’ link from ‘Setup’ options. * System displays existing user list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘User’ screen with selected user information. * Fills the valid user information and clicks the ‘update’ button. * If information is valid then system updates the user information into system database and closes the ‘User’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.6.1 User Creation**: fields |

### User Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 16 |
| Application | User deletion |
| Use Case Name | Authorized user deletes a user account |
| Use Case Description | Removing user account information |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have deletion rights |
| Post-condition | * System will display the home page of the application & user can delete existing user by clicking on ‘User Account’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘User Account’ link from ‘Setup’ options. * System displays existing user list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the user information from system database and updates the ‘user’ list. |
| Alternate Flow | N/A |
| Fields | See **2.6.1 User Creation**: fields |

## Student Profile Management

The student profile management module allows the authorized user to configure the student profile which will use in the application. Each student will be assigned student name, school name, school type, organization, address and other information.

### Student Profile Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 35 |
| Application | Student profile creation |
| Use Case Name | Authorized user creates a new student profile |
| Use Case Description | Creating new student profile that will be used in different module in the system like, student attendance, student result etc. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the home page of the application & user can create new student |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the Student’ link from ‘Setup’ options. * System displays existing student list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Student’ form screen. * Fills the valid student information and clicks the ‘add’ button. * Student ID will be auto generated. * If information is valid then system adds the student information into system database and closes the ‘Student’ form screen. * If information is not valid system displays the error message |
| Fields | * Institute   + Select institute from dropdown list   + Is required * Grade/ Class (one to one)   + Select grade from dropdown list   + Is required * Student ID   + Entry for learner unique ID   + Min Length:1   + Max Length:150   + Is required   + Type: String * Session Start   + Select session from dropdown list   + Min Length:1   + Max Length:150   + Is required   + Type – String * Session End   + Select session from dropdown list   + Min Length:1   + Max Length:150   + Is required   + Type - String * Sex   + Select sex from dropdown list   + Min Length: 1   + Max Length: 10   + Is required * Student’s First Name   + Entry for student’s first name   + Min Length: 1   + Max Length: 150   + Special characters is allowed   + Is required * Student’s Middle Name   + Entry for student’s middle name   + Max Length: 150   + Special characters is allowed   + Is not required * Student’s Last Name   + Entry for student’s last name   + Max Length: 150   + Special characters is allowed   + Is not required * Student Type (i.e. Ethnic, **CSN**, others etc.)   + Select student type from drop down list   + Min Length: 1   + Max Length: 20   + Is Required * Type of **CSN** (If **CSN**)   + Select **CSN** type from drop down list   + Max Length: 20   + Is not required * Type of Ethnicity/ Community (If Ethnic)   + Select community type from drop down list (i.e. Chakma, Marma etc.)   + Max Length: 20   + Is not required * Residential Address   + Entry for residential address details   + Max Length: 1000   + Special characters allowed   + Not required * Date of Birth   + Entry/Select date of birth from calendar   + Only date format allowed   + Is required * Religion   + Select religion from drop down list   + Max Length:20   + Not required * Height(Mtrs.)   + Entry for Height   + Allow only numeric characters   + Not required * Weight(kilo)   + Entry for Weight   + Allow only numeric characters   + Not required * Dialect spoken   + Entry for Dialect spoken   + Max Length: 150   + Special characters is allowed   + Not required * Father’s name   + Entry for Father’s name   + Allow alpha numeric characters   + Min Length: 0   + Max Length: 150   + Special characters is not allowed   + Not required * Father’s dob   + Entry for Father’s age   + Allow only numeric characters   + Not required * Father’s educational attainment   + Entry for Father’s educational attainment   + Max Length: 1000   + Special characters is allowed   + Not required * Father’s occupation   + Entry for Father’s occupation   + Max Length: 150   + Special characters is allowed   + Not required * Mother’s name   + Entry for Mother’s name   + Max Length: 150   + Special characters is allowed   + Not required * Mother’s dob   + Entry for Mother’s age   + Allow only numeric characters   + Not required * Mother’s educational attainment   + Entry for Mother’s educational attainment   + Max Length: 1000   + Special characters is allowed   + Not required * Mother’s occupation   + Entry for Mother’s occupation   + Max Length: 150   + Special characters is allowed   + Not required * Family members involve with BRAC? (i.e. Yes, No)   + Select from drop down list   + Not required * Program (If Family members involve with BRAC service)   + Select program from drop down list   + Not required * Transfer to GPS/RNGPS/Secondary   + Select from check box   + Not required * Transferred Institute Id   + Institute id   + Max Length: 150   + Special characters is allowed   + Not required * Name of transferred School (GPS/ RNGPS/Secondary)   + Entry GPS/RNGPS/Secondary school name   + Max Length: 150   + Special characters is allowed   + Not required * Address   + Entry address   + Max Length: 300   + Special characters is allowed   + Not required * Involved with Chhatrabandhu (i.e. yes, no)   + Select from dropdown box   + Is required * Brac graduate (i.e. yes, no)   + Select from dropdown box   + Is required * Droupout (i.e. yes, no)   + Select from dropdown box |

### Student’s Profile Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 36 |
| Application | Student’s profile modification |
| Use Case Name | Authorized user modifies a Student’s profile information |
| Use Case Description | Editing Student’s profile information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the home page of the application & user can modify existing student information |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Student’ link from ‘Setup’ options. * System displays existing Student list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Student’ screen with selected student information. * Fills the valid student information and clicks the ‘update’ button. * Target Group could be multiple. * If information is valid then system updates the student information into system database and closes the ‘Student’ form screen. * If information is not valid, system displays the error message in the ‘Student’ form screen. |
| Fields | See **2.13.1 Student’s Profile Creation**: fields |

### Student’s Profile Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 37 |
| Application | Student’s profile deletion |
| Use Case Name | Authorized user deletes student’s profile information |
| Use Case Description | Removing student’s profile information |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the home page of the application & user can delete student |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Student’ link from ‘Setup’ options. * System displays existing student list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the student’s profile information from system database and updates the ‘Student’ list. |
| Fields | See **2.13.1 Student’s Profile Creation**: fields |

## Institute Management

The school information management module allows the authorized user to configure the different school which will use in the application. Each school will be assigned school name, school level, classroom type, NGO and other information.

### Institute Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 26 |
| Application | School creation |
| Use Case Name | Authorized user creates a new school information |
| Use Case Description | Creating new school information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the home page of the application & user can create new school |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘School’ link from ‘Setup’ options. * System displays existing school list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘school’ form screen. * Fills the valid school information and clicks the ‘add’ button. * If information is valid then system adds the school information into system database and closes the ‘school’ form screen. * If information is not valid system displays the error message. |
| Fields | * School Code   + Entry for school code   + Allow alpha numeric characters   + Allow special characters   + Min Length: 1   + Max Length: 150   + Is required * School Name   + Entry for school name   + Allow alpha numeric characters   + Min Length: 1   + Max Length: 150   + Is required * Nearest Public School   + Entry for nearest public school details (Name and address)   + Min Length: 1   + Max Length: 500   + Special characters allowed   + Not required * Distance from nearest public school   + Entry for distance between school and nearest public school in Kms   + Allow only numeric characters   + Min Length: 1   + Max Length: 500   + Not required * Location Id – when change student profile will be changed   + Select from dropdown list   + Min Length: 1   + Max Length: 100   + Required * Location Hierarchy   + Come from Location   + Min Length: 1   + Max Length: 500   + Required * Toilet Availability (i.e. Yes, No)   + Select from check box   + Not required * Electricity (i.e. Yes, No)   + Select from check box   + Not required * School Status (i.e. newly open, reopen, closed etc.)   + Select from dropdown list   + Is required * School Opening Date   + Select start date from calendar   + Is required * Session start(i.e. 2013-2016)   + Entry session/ cycle life of a school   + Is required   + Min Length:1   + Max Length: 50 * Session end(i.e. 2013-2016)   + Entry session/ cycle life of a school   + Is required   + Min Length:1   + Max Length: 50 * Distance from school to Branch Office   + Entry for distance between school and nearest branch office in Kms   + Allow only numeric characters   + Not required * GEO Coordinates Latitude   + Entry longitude of school   + Allow only numeric characters   + Min Length: 0   + Max Length: 20   + Not required * GEO Coordinates Longitude   + Entry longitude of school   + Allow only numeric characters   + Min Length: 0   + Max Length: 20   + Not required * Number of Shift   + Entry no. of shift of a school   + Allow only numeric characters   + Min Length: 0   + Max Length: 5   + Not required * **GradingSystem**   + Name - String, Min Length:1, Max Length:10, IsRequired   + Scale - float   + Grade point     - * Letter grade - String, Min Length:1, Max Length:10, IsRequired       * Min Mark - float       * Max Mark - float       * Point - float * ~~Location Type (i.e. haor, remote area, CHT etc.)~~   + Select location type from dropdown list   + Not required * ~~Organization (page 62)~~   + Select organization from dropdown list   + Is required * Education Type (i.e. pre-primary, primary, secondary, formal)   + Select multiple education type   + School\_id - String , Min Length:1, Max Length: 150, Is required.   + Udv\_id - String , Min Length:1, Max Length: 150, Is required. * ~~Institute Type~~ (Ethnic School, General School, Boat/ ShikkhaTari School etc.)   + Select school type from dropdown list   + Is required * ~~Teacher~~   + Select attached teacher from dropdown list   + Is required * ~~PO~~   + Select PO from dropdown list   + Is required * Grade – one to many relation   + Select multiple grade   + Name - String, Min Length:1, Max Length: 150, Is required.   + Code - String, Min Length:1, Max Length: 150, Is required. * ~~Donor~~   + Select from dropdown list   + Not required   + **Code - String**   + **Name - String**   + **Contact Number - String**   + **Local Email - String**   + **HO Email - String**   + **Contact Person - String**   + **Local Office - String**   + **HO Office - String**   + **Description - String**   **Additional Fields for Secondary Schools**   * Secondary School Type (i.e. existing, new)   + Select from radio box   + Required * No. of Head Teacher Received Orientation Workshops   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of Assistant Head Teacher Received Orientation Workshops   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of SMC Member Received Orientation Workshops   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of Head Teacher Received Management Training   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of Assistant Head Teacher Received Management Training   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of SMC Member Received Management Training   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of Head Teacher Received SAP Training   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of Assistant Head Teacher Received SAP Training   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of SMC Member Received SAP Training   + Entry numeric value for male   + Entry numeric value for female   + Is required * BRAC Student Exam Appeared year (i.e. 2014, 2015)   + Select from drop down list   + Is required * Number of total BRAC Student Appeared (i.e. JSC, SSC)   + Entry numeric value for JSC   + Entry numeric value for SSC   + Not required * BRAC Student Passed year (i.e. 2014, 2015)   + Select from drop down list   + Is required * No. of total BRAC Student Passed (i.e. JSC, SSC)   + Entry numeric value for JSC   + Entry numeric value for SSC   + Not required * Involved with Mentoring Program (i.e. yes, no)   + Select from drop down list   + Is required * No. of Teachers Trained on Values & Mentoring Program   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of Students Trained on Values & Mentoring Program   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of Students Trained on Values & Mentoring Program   + Entry numeric value for male   + Entry numeric value for female   + Is required * Implemented **CAL** (Computer Aided Learning) (i.e. yes, no)   + Select from drop down list   + Is required |

### Institute Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 27 |
| Application | School modification |
| Use Case Name | Authorized user modifies a school account |
| Use Case Description | Editing school information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the home page of the application & user can modify existing school |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘School’ link from ‘Setup’ options. * System displays existing user list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘school’ screen with selected school information. * Fills the valid school information and clicks the ‘update’ button. * If information is valid then system updates the school information into system database and closes the ‘school’ form screen. * If information is not valid, system displays the error message |
| Fields | See **2.10.1 School Creation**: fields |

### School Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 28 |
| Application | School deletion |
| Use Case Name | Authorized user deletes a school account |
| Use Case Description | Removing school information |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the home page of the application & user can delete school |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘School’ link from ‘Setup’ options. * System displays existing school list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the school information from system database and updates the ‘school’ list. |
| Fields | See **2.10.1 School Creation**: fields |

## ~~Education Type Management~~

The education level management module allows the authorized user to configure the different education level which will be used by school & grade module. Each education level will be assigned a code, name and description.

### ~~Education Type Creation~~

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 23 |
| Application | Education level creation |
| Use Case Name | Authorized user creates a new education level |
| Use Case Description | Creating a new education level that will be used by student and grade/ class management module. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the home page of the application & user can create new education level by clicking on ‘Education Level’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Education Level’ link from ‘Setup’ options. * System displays existing education level list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Education level’ form screen. * Fills the valid education level information and clicks the ‘add’ button. * If information is valid then system adds the education level information into system database and closes the ‘Education Level’ form screen. * If information is not valid system displays the error message. |
| Fields | * Institute Id   + Institute id   + Allow only alpha numeric characters   + Min Length: 1   + Max Length: 36   + Special characters is not allowed   + Is required * Udv Id   + Udv id   + Max Length: 36   + Special characters allowed   + Is required |

### Education Type Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 24 |
| Application | Education level modification |
| Use Case Name | Authorized user modifies a education level |
| Use Case Description | Editing education level details information |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the home page of the application & user can modify existing education level by clicking on ‘Education Level’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Education level’ link from ‘Setup’ options. * System displays existing education level list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Education level’ screen with selected education level information. * Fills the valid education level information and clicks the ‘update’ button. * If information is valid then system updates the education level information into system database and closes the ‘Education Level’ form screen * If information is not valid, system displays the error message. |
| Fields | See **2.9.1 Education Level Creation**: fields |

### Education Type Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 25 |
| Application | Education level deletion |
| Use Case Name | Authorized user deletes a education level |
| Use Case Description | Removing education level information |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the home page of the application & user can delete education level by clicking on ‘Education Level’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Education Level’ link from ‘Setup’ options. * System displays existing education level list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the education level information from system database and updates the ‘education level’ list. |
| Fields | See **2.9.1 Education Level Creation**: fields |

## Class Management

The class management module allows the authorized user to configure the different class which will be used by different management module. Each class will be assigned education level, name, code and description.

### ClassCreation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 41 |
| Application | Class creation |
| Use Case Name | Authorized user creates a new class |
| Use Case Description | Creating a new class that will be used by different module in application. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the class creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Class’ link from ‘Setup’ options. * System displays existing class list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Grade/ Class’ screen. * Fills the valid class information and clicks the ‘add’ button. * If information is valid then system adds the class information into system database and closes the ‘Class’ screen. * If information is not valid system displays the error message. |
| Fields | * Education level * Select education level from dropdown list * Is required * Code   + Entry for Class code   + Allow only alpha numeric characters   + Min Length: 1   + Max Length: 150   + Special characters is not allowed   + Is required * Name   + Entry for class name   + Allow alpha numeric characters   + Min Length: 0   + Max Length: 150   + Special characters allowed   + Is required * Description   + Entry for class description   + Max Length: 500   + Special characters allowed   + Not required |

### ClassModification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 42 |
| Application | Class modification |
| Use Case Name | Authorized user modifies a class |
| Use Case Description | Editing class that will have access to the different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights to the class management module. |
| Post-condition | * System will display the class modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Class’ link from ‘Setup’ options. * System displays existing class list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Class’ screen with selected class information. * Fills the valid class information and clicks the ‘update’ button. * If information is valid then system updates the class information into system database and closes the ‘Class’ form screen. * If information is not valid, system displays the error message |
| Fields | See **2.15.1 Class Creation**: fields |

### Class Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 43 |
| Application | Class deletion |
| Use Case Name | Authorized user deletes a class |
| Use Case Description | Removing class information from system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the class deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Class’ link from ‘Setup’ options. * System displays existing class list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the class information from system database and updates the ‘class’ list. |
| Fields | See **2.15.1 Class Creation**: fields |

## Subject Management

The subject information management module allows the authorized user to configure the different subject which will use in the application. Each subject will be assigned subject name, code and other information.

### Subject Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 38 |
| Application | Subject creation |
| Use Case Name | Authorized user creates a new subject account |
| Use Case Description | Creating new subject that will be used in result module. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the home page of the application & user can create new subject |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Subject’ link from ‘Setup’ options. * System displays existing subject list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Subject’ form screen. * Fills the valid subject information and clicks the ‘add’ button. * If information is valid then system adds the subject information into system database and closes the ‘Subject’ form screen. * If information is not valid system displays the error message |
| Fields | * Class * Select Class from dropdown list * Is required * Subject Code   + Entry for subject code   + Allow alpha numeric characters   + Min Length: 1   + Max Length: 150   + Special characters is allowed   + Is required * Subject Name   + Entry for subject name   + Min Length: 1   + Max Length: 150   + Special characters is allowed   + Is required * Subject Details   + Entry for subject details   + Allow alpha numeric characters   + Min Length: 1   + Max Length: 500   + Special characters allowed   + Not required |

### Subject Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 39 |
| Application | Subject modification |
| Use Case Name | Authorized user modifies a subject information |
| Use Case Description | Editing subject information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the home page of the application & user can modify existing subject |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Subject’ link from ‘Setup’ options. * System displays existing subject list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Subject’ screen with selected subject information. * Fills the valid subject information and clicks the ‘update’ button. * If information is valid then system updates the subject information into system database and closes the ‘Subject’ form screen. * If information is not valid, system displays the error message |
| Fields | See **2.14.1 Subject Creation**: fields |

### Subject Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 40 |
| Application | Subject deletion |
| Use Case Name | Authorized user deletes subject information |
| Use Case Description | Removing subject information |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the home page of the application & user can delete subject |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Subject’ link from ‘Setup’ options. * System displays existing subject list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the subject information from system database and updates the ‘subject’ list. |
| Fields | See **2.14.1 Subject Creation**: fields |

## Exam Management

The exam management module allows the authorized user to configure the different exam which will be used by different management module. Each exam will be assigned class, name, code and description.

### Exam Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 44 |
| Application | Exam creation |
| Use Case Name | Authorized user creates a new exam |
| Use Case Description | Creating a new exam that will be used in result module in the application. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the exam creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Exam’ link from ‘Setup’ options. * System displays existing exam list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Exam’ form screen. * Fills the valid exam information and clicks the ‘add’ button. * If information is valid then system adds the exam information into system database and closes the ‘Exam’ form screen. * If information is not valid system displays the error message |
| Fields | * Class * Select class from dropdown list * Is required * Code   + Entry for exam’s code   + Allow only alpha numeric characters   + Min Length: 1   + Max Length: 150   + Special characters is not allowed   + Is required * Name   + Entry for exam’s name   + Max Length: 150   + Special characters allowed   + Not required * Description   + Entry for exam’s description   + Max Length: 500   + Special characters allowed   + Not required |

### Exam Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 45 |
| Application | Exam modification |
| Use Case Name | Authorized user modifies a exam |
| Use Case Description | Editing exam details information that will use in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the exam modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Exam’ link from ‘Setup’ options. * System displays existing exam list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Exam’ screen with selected exam information. * Fills the valid exam information and clicks the ‘update’ button. * If information is valid then system updates the exam information into system database and closes the ‘Exam’ form screen. * If information is not valid, system displays the error message |
| Fields | See **2.16.1 Exam Creation**: fields |

### Exam Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 46 |
| Application | Exam deletion |
| Use Case Name | Authorized user deletes a exam |
| Use Case Description | Removing exam details information from the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the exam deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Exam’ link from ‘Setup’ options. * System displays existing exam list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the exam information from system database and updates the ‘exam’ list. |
| Fields | See **2.16.1 Exam Creation**: fields |

## Grade Management

The grade management module allows the authorized user to configure the different grade which will be used in student result module. Each grade will be assigned code, name, marks and description.

### ~~Grade creation~~

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 47 |
| Application | Grade creation |
| Use Case Name | Authorized user creates a new grade |
| Use Case Description | Creating a new grade that will be used in result module in the application. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the grade creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Grade’ link from ‘Setup’ options. * System displays existing grade list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Grade’ form screen. * Fills the valid grade information and clicks the ‘add’ button. * If information is valid then system adds the grade information into system database and closes the ‘Grade’ form screen. * If information is not valid system displays the error message. |
| Fields | * Code   + Entry for grade’s code   + Allow only alpha numeric characters   + Min Length: 1   + Max Length: 150   + Special characters is not allowed   + Is required   + Unique * Name   + Entry for grade’s name   + Max Length: 150   + Special characters allowed   + Required |

### Grade Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 48 |
| Application | Grade modification |
| Use Case Name | Authorized user modifies a grade |
| Use Case Description | Editing grade details information that will use in result module in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the grade modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Grade’ link from ‘Setup’ options. * System displays existing grade list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Grade’ screen. * Fills the valid grade information and clicks the ‘update’ button. * If information is valid then system updates the grade information into system database and closes the ‘grade’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.17.1 Grade Creation**: fields |

### Grade Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 49 |
| Application | Grade deletion |
| Use Case Name | Authorized user deletes a grade |
| Use Case Description | Removing grade details information from the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the grade deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘grade’ link from ‘Setup’ options. * System displays existing list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the grade information from system database and updates the ‘grade’ list. |
| Fields | See **2.17.1 Grade Creation**: fields |

## Student Attendance Management

The student attendance management module allows the authorized user to configure the different student attendance information which will use in the application. Each student attendance will be assigned school code, class code, student id and attendance flag and other information.

### Student Attendance Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 50 |
| Application | Student attendance creation |
| Use Case Name | Authorized user creates a new student attendance information |
| Use Case Description | Creating new student attendance that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have creation rights |
| Post-condition | * System will display the student attendance creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’. * Clicks the ‘Student attendance’ link from ‘Process’ options. * System displays existing student attendance list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Student Attendance’ form screen. * Fills the valid student attendance information and clicks the ‘add’ button. * If information is valid then system adds the student attendance information into system database and closes the ‘Student Attendance’ form screen. * If information is not valid system displays the error message |
| Fields | * School   + Select school from dropdown list   + Is required * Class   + Select class from dropdown list   + Is required * Student   + Select student from dropdown list   + Is required * Date   + Select date from calendar   + Allow only date   + Is required * Present   + Tick the present yes or no   + Allow only numeric characters(0/1)   + Special characters is not allowed   + Is required |

### Student Attendance Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 51 |
| Application | Student attendance modification |
| Use Case Name | Authorized user modifies a student attendance information |
| Use Case Description | Editing student attendance information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have modification rights |
| Post-condition | * System will display the student attendance modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’ bar. * Clicks the ‘Student Attendance’ link from ‘Setup’ options. * System displays existing student attendance list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Student Attendance’ screen with selected student attendance information. * Fills the valid student attendance information and clicks the ‘update’ button. * If information is valid then system updates the student attendance information into system database and closes the ‘Student Attendance’ form screen. * If information is not valid, system displays the error message |
| Fields | See **2.18.1 Student Attendance Creation**: fields |

### Student Attendance Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 52 |
| Application | Student attendance deletion |
| Use Case Name | Authorized user deletes student attendance information |
| Use Case Description | Removing student attendance information from the system. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have deletion rights |
| Post-condition | * System will display the student attendance deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’ bar. * Clicks the ‘Student Attendance’ link from ‘Setup’ options. * System displays existing student attendance list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the student attendance information from system database and updates the ‘Student attendance’ list. |
| Fields | See **2.18.1 Student Attendance Creation**: fields |

## 

## Student Attendance Summary Management

The student attendance summary management module allows the authorized user to configure the different school’s student attendance summary information which will use in the application. Each school’s student attendance summary will be assigned school code,class, total student, total attendant student and other information.

### Student Attendance Summary Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 53 |
| Application | Student attendance summary creation |
| Use Case Name | Authorized user creates a school’s student attendance summary information |
| Use Case Description | Creating school’s student attendance summary that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * Usermust have creation rights |
| Post-condition | * System will display the student attendance summary creation link |
| Trigger | N/A |
| Basic Flow | Authorized user sends summarized attendance information via mobile text with predefined format.  e.g.  1. “[**A**] [**Info 1**] [**Info 2**]” for current date attendance information  2. “[**A**] [**Info 1**] [**Info 2**] [**Info 3**]” for older days attendance information  Here,  **A** = attendance information  **Info 1 = Session**  **Info 2** = number of student present on that day.  **Info 3** = for sending older day attendance information. If its value is 1 then it reflects yesterday’s attendance information, if its value 2 then it becomes day before yesterday’s attendance information and so on. |
| Alternate Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’. * Clicks the ‘Student attendance summary’ link from ‘Process’ options. * System displays existing school’s student attendance summary list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Student Attendance Summary’ form screen. * Fills the valid student attendance summary information and clicks the ‘add’ button. * If information is valid then system adds the student attendance information summary into system database and closes the ‘Student Attendance Summary’ form screen. * If information is not valid system displays the error message. |
| Fields | * School   + Select school from existing school list   + Is required * Class   + Select class from existing class list   + Is required * Session * Select session from dropdown list * Is required * Total Student   + Entry for school’s total student   + Allow only numeric characters   + Is required * Present Student   + Entry for school’s total present student   + Allow only numeric characters   + Is required * Absent Student   + Entry for school’s total absent student   + Allow only numeric characters   + Is required * Report Date   + Select date from calendar   + Allow date   + Is required |

### Student Attendance Summary Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 54 |
| Application | Student attendance summary modification |
| Use Case Name | Authorized user modifies a school’s student attendance summary information |
| Use Case Description | Editing student attendance summary information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have modification rights |
| Post-condition | * System will display the school’s student attendance summary modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’ bar. * Clicks the ‘Student Attendance Summary’ link from ‘Setup’ options. * System displays existing student attendance summary list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Student Attendance Summary’ screen with selected student attendance summary information. * Fills the valid student attendance summary information and clicks the ‘update’ button. * If information is valid then system updates the student attendance summary information into system database and closes the ‘Student Attendance Summary’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.19.1 Student Attendance Summary Creation**: fields |

### Student Attendance Summary Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 55 |
| Application | Student attendance summary deletion |
| Use Case Name | Authorized user deletes student attendance summary information |
| Use Case Description | Removing student attendance summary information from the system. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have deletion rights |
| Post-condition | * System will display the school’s student attendance summary deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’ bar. * Clicks the ‘Student Attendance Summary’ link from ‘Setup’ options. * System displays existing student attendance summary list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the student attendance summary information from system database and updates the ‘Student attendance summary’ list. |
| Fields | See **2.19.1 Student Attendance Summary Creation**: fields |

## 

## Student Result Management

The Student result management allows the authorized user to configure the different student result information which will use in the application. Each student result will be assigned school code, class code, subject code, student id and marks and other information.

### Student Result Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 56 |
| Application | Student result creation |
| Use Case Name | Authorized user creates a student result information |
| Use Case Description | Creating student result information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have creation rights |
| Post-condition | * System will display the student result creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’. * Clicks the ‘Student Result’ link from ‘Process’ options. * System displays existing student result list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Student Result’ form screen. * Fills the valid student result information and clicks the ‘add’ button. * If information is valid then system adds the student result information into system database and closes the ‘Student Result’ form screen. * If information is not valid system displays the error message. |
| Fields | * School   + Select school from dropdown list   + Is required * Class   + Select grade/class from dropdown list   + Is required * Subject   + Select subject from dropdown list   + Is required * Student   + Select student from dropdown list   + Is required * Date   + Select date from calendar   + Allow only date format   + Is required * Marks   + Entry for student mark   + Allow only numeric characters   + Special characters is not allowed   + Is required * Result Grade (A+, A, B+, B etc.)   + Select grade from dropdown list   + Is required |

### Student Result Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 57 |
| Application | Student result modification |
| Use Case Name | Authorized user modifies a student result information |
| Use Case Description | Editing student result information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have modification rights |
| Post-condition | * System will display the student result modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’ bar. * Clicks the ‘Student Result’ link from ‘Setup’ options. * System displays existing student result list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Student Result’ screen with selected student result information. * Fills the valid student result information and clicks the ‘update’ button. * If information is valid then system updates the student result information into system database and closes the ‘Student Result’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.20.1 Student Result Creation**: fields |

### Student Result Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 58 |
| Application | Student result deletion |
| Use Case Name | Authorized user deletes student result information |
| Use Case Description | Removing student result information from the system. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have deletion rights |
| Post-condition | * System will display the student result deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’ bar. * Clicks the ‘Student Result’ link from ‘Setup’ options. * System displays existing student result list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the student result information from system database and updates the ‘Student result’ list. |
| Fields | See **2.20.1 Student Result Creation**: fields |

## 

## Student Result Summary Management

The Student result summary management module allows the authorized user to configure the different school’s student result summary information which will use in the application. Each school’s student result summary will be assigned school code,class, total student, total passed student and other information.

### Student Result Summary Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 59 |
| Application | Student result summary creation |
| Use Case Name | Authorized user creates a school’s student result summary information |
| Use Case Description | Creating school’s student result summary that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have creation rights |
| Post-condition | * System will display the student result summary creation link |
| Trigger | N/A |
| Basic Flow | Authorized user sends summarized result information via mobile text with predefined format.  e.g.  1. “[**R**] [**Info 1**] [**Info 2**]” for current date result information  2. “[**R**] [**Info 1**] [**Info 2**] [**Info 3**]” for previous result information  Here,  **R** = attendance information  **Info 1** = session  **Info 2** = number of student pass on the examination.  **Info 3** = for sending previous exam information. If its value is 1 then it reflects yesterday’s exam information, if its value 2 then it becomes day before yesterday’s exam information and so on. |
| Alternate Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’. * Clicks the ‘Student Result Summary’ link from ‘Process’ options. * System displays existing school’s student result summary list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Student Result Summary’ form screen. * Fills the valid student result summary information and clicks the ‘add’ button. * If information is valid then system adds the student result summary information into system database and closes the ‘Student Result Summary’ form screen. * If information is not valid system displays the error message. |
| Fields | * School   + Select school from dropdown list   + Is required * Grade/ Class   + Select grade/ class from dropdown list   + Is required * Total Appeared Student   + Entry for school’s total student   + Allow only numeric characters   + Is required * Passed Student   + Entry for school’s total passed student   + Allow only numeric characters   + Is required * Failed Student   + Entry for school’s total failed student   + Allow only numeric characters   + Is required * Report Date   + Select date from calendar   + Allow date   + Is required |

### Student Result Summary Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 60 |
| Application | Student result summary modification |
| Use Case Name | Authorized user modifies a school’s student result summary information |
| Use Case Description | Editing student result summary information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have modification rights |
| Post-condition | * System will display the school’s student result summary modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’ bar. * Clicks the ‘Student Result Summary’ link from ‘Setup’ options. * System displays existing student result summary list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Student Result Summary’ screen with selected student result summary information. * Fills the valid student result summary information and clicks the ‘update’ button. * If information is valid then system updates the student result summary information into system database and closes the ‘Student Result Summary’ form screen. * If information is not valid, system displays the error message |
| Fields | See **2.21.1 Student Result Summary Creation**: fields |

### Student Result Summary Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 61 |
| Application | Student result summary deletion |
| Use Case Name | Authorized user deletes student result summary information |
| Use Case Description | Removing student result summary information from the system |
| Actor | Authorized user |
| Pre-condition | * Usermust be logged in the system * Must have deletion rights |
| Post-condition | * System will display the school’s student result summary deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’ bar. * Clicks the ‘Student Result Summary’ link from ‘Setup’ options. * System displays existing student result summary list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the student result summary information from system database and updates the ‘Student result summary’ list. |
| Fields | See **2.21.1 Student Result Summary Creation**: fields |

## Drop Out Management

The drop out management module allows the authorized user to configure the different drop out information which will use in the application. Each drop out will be assigned school code, class code, drop student id, replaced student id and other information.

### Drop Out Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 62 |
| Application | Drop out creation |
| Use Case Name | Authorized user creates a new drop out information |
| Use Case Description | Creating drop out information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the drop out creation link |
| Trigger | N/A |
| Basic Flow | Authorized user sends drop out information via mobile text with predefined format.  e.g.  1. “[**D**] [**Info 1**] [**Info 2**]” for current date drop information  2. “[**R**] [**Info 1**] [**Info 2**] [**Info 3**]” for previous drop replace information  Here,  **D** = drop information  **Info 1** = session  **Info 2** = drop out student roll  **Info 3** = for sending previous drop out information. If its value is 1 then it reflects yesterday’s drop out information, if its value 2 then it becomes day before yesterday’s dropout information and so on. |
| Alternate Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’. * Clicks the ‘Drop Out’ link from ‘Process’ options. * System displays existing drop out list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Drop Out’ form screen. * Fills the valid drop out information and clicks the ‘add’ button. * If information is valid then system adds the drop out information into system database and closes the ‘Drop Out’ form screen. * If information is not valid system displays the error message |
| Fields | * School   + Select school from dropdown list   + Is required * Class   + Select class from dropdown list   + Is required * Dropped Student Name   + Select student from existing student list   + Is required * Dropped Student Date   + Select date from calendar   + Is required * Causes of Dropped Out Student   + Select causes from dropdown list   + Is required * Replaced Student   + Select student from existing student list   + Not required |

### Drop Out Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 63 |
| Application | Drop out modification |
| Use Case Name | Authorized user modifies a drop out information |
| Use Case Description | Editing drop out information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the drop out modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’ bar. * Clicks the ‘Drop Out’ link from ‘Setup’ options. * System displays existing drop out list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Drop Out’ form screen with selected drop out information. * Fills the valid drop out information and clicks the ‘update’ button. * If information is valid then system updates the drop out information into system database and closes the ‘Drop Out’ form screen. * If information is not valid, system displays the error message in the ‘Drop Out’ form screen. |
| Fields | See **2.22.1 Drop out Creation**: fields |

### Drop Out Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 64 |
| Application | Drop out deletion |
| Use Case Name | Authorized user deletes drop out information |
| Use Case Description | Removing ‘drop out’ information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the drop out deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Process’ link from ‘Menu’ bar. * Clicks the ‘Drop Out’ link from ‘Setup’ options. * System displays existing drop out list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System deletes the drop out information from system database and updates the ‘Drop Out’ list. |
| Alternate Flow |  |
| Fields | See **2.22.1 Student Drop Creation**: fields |

## Teacher Management

The teacher management module allows the authorized user to configure different teachers who will have access to the application. Each teacher will be assigned a username and password and will also be given access rights to the modules in the system.

### Teacher Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 20 |
| Application | Teacher creation |
| Use Case Name | An authorized user can create a new teacher account |
| Use Case Description | Creating a new teacher account that will have access to the different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the home page of the application & user can create new teacher by clicking on ‘Teacher’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Teacher’ link from ‘Setup’ options. * System displays existing user list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘User’ form screen. * User administrator fills the valid user information and clicks the ‘add’ button. * When school type is secondary then the ‘Trained on **CAL**(Computer Aided Learning) Material’ field will appear. * If information is valid then system adds the user information into system database and closes the ‘User’ form screen. * User can select multiple training from check box if required. * If information is not valid system displays the error message. |
| Fields | * First Name   + Entry for teacher’s first name   + Allow alpha characters   + Min Length: 1   + Max Length: 150   + Special characters is allowed   + Is required * Middle Name   + Entry for teacher’s middle name   + Allow alpha characters   + Min Length: 0   + Max Length: 150   + Special characters allowed   + Not required * Last Name   + Entry for teacher’s last name   + Allow alpha characters   + Min Length: 0   + Max Length: 150   + Special characters allowed   + Not required * District   + Select District from drop down list   + Not required * Area   + Select Area from drop down list   + Not required * School Type   + Select school type from existing dropdown list   + Is required * School Name   + Select school name from existing dropdown list   + Is required * Session (i.e. 2013-2016) (For Teacher)   + Entry session/ cycle life of a school   + Is required * Sex   + Select sex from dropdown list   + Not required * Education Level (i.e. pre-primary, primary, secondary)   + Select education level from dropdown list   + Is required * Class (i.e. 1,2,3,4,5,6,7,8,9,10)   + Select education class from dropdown list   + Is required * Designation   + Entry for designation information   + Max Length: 150   + Not required * Phone/Contact numbers   + Entry for teacher’s phone number   + Allow numeric characters   + Min Length: 0   + Max Length: 150   + Special characters allowed   + Not required * Username   + Entry for the username   + Allow alphanumeric characters   + Min Length: 1   + Max Length: 50   + Special characters not allowed   + Is required * Password   + Entry for teacher’s password   + Allow alphanumeric characters   + Min Length: 4   + Max Length: 50   + Special characters allowed   + Is required * Date of birth   + Select teacher’s date of birthday from calendar   + Not required * Marital Status   + Select status from drop down list   + Is required * Educational Attainment   + Entry for user’s educational attainment   + Allow only alpha numeric characters   + Min Length: 0   + Max Length: 500   + Not required * BRAC Graduated?   + Select from drop down list   + Is required * Civil status   + Entry for teacher’s civil status   + Min Length: 0   + Max Length: 150   + Not required * Age   + Entry for teacher’s age   + Allow only numeric characters   + Not required * Religion   + Select religion from dropdown list   + Not required * Dialect spoken   + Entry for teacher’s dialect spoken information   + Min Length: 0   + Max Length: 150   + Not required * Avg. Family monthly income   + Entry for teacher’s Avg. Family monthly income   + Allow only numeric characters   + Not required * Donor/ Fund   + Select from check box   + Not required * Teachers Type (i.e. Ethnic, Disabled etc.)   + Select teacher type from drop down list   + Not Required * Type of Disabled (If Disabled)   + Select CSN type from drop down list   + Is not required * Type of Ethnicity/ Community (If Ethnic)   + Select community type from drop down list (i.e. Chakma, Marma etc.)   + Is not required * Joining Date   + Select from calendar   + Is required * Year of Experience   + Entry experience year   + Allow alpha numeric characters   + Not required * Attended Training (i.e. yes, no)   + Select from drop down list   + Is required * Training Details   + Select training type/s from drop down list (multiple if needed)   + Entry total number of trainings   + Allow only numeric characters   + Is required * Dropout Teacher   + Select from drop down list   + Is required * Reasons for Dropout (N.B. It could be multiple)   + Select from check box   + Is required * Trained on **CAL** (Computer Aided Learning) Material (i.e. yes, no)   + Select from dropdown list   + Is required * Involved with Chatrabandhu (i.e. yes, no)   + Select from dropdown box   + Is required |

### Teacher Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 21 |
| Application | User modification |
| Use Case Name | Authorized user modifies a teacher account |
| Use Case Description | Editing user account details. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have modification rights |
| Post-condition | * System will display the home page of the application & user can modify existing user by clicking on ‘Teacher’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Teacher’ link from ‘Setup’ options. * System displays existing user list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Teacher’ screen with selected user information. * Fills the valid user information and clicks the ‘update’ button. * If information is valid then system updates the user information into system database and closes the ‘Teacher’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.8.1 Teacher Creation**: fields |

### Teacher Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 22 |
| Application | User deletion |
| Use Case Name | Authorized user deletes a teacher account |
| Use Case Description | Removing teacher account information |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have deletion rights |
| Post-condition | * System will display the home page of the application & user can delete existing teacher by clicking on ‘Teacher’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Teacher’ link from ‘Setup’ options. * System displays existing user list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the user information from system database and updates the ‘user’ list. |
| Alternate Flow | N/A |
| Fields | See **2.8.1 User Creation**: fields |

## Training Management

The training management module allows the authorized user to configure different users who will have access to the application. Assigned user will be assigned to enter training name, description and other information.

### Training Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 17 |
| Application | Training creation |
| Use Case Name | An authorized user can create a new training information |
| Use Case Description | Creating a new training module that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have creation rights |
| Post-condition | * System will display the home page of the application & user can create new training by clicking on ‘Training’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Training’ link from ‘Setup’ options. * System displays existing user list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Training’ form screen. * User administrator fills the valid training information and clicks the ‘add’ button. * If information is valid then system adds the training information into system database and closes the ‘Training’ form screen. * If information is not valid system displays the error message. |
| Fields | * Training Name   + Select training name from drop down list   + Is required * Training Description   + Entry description   + Allow alpha numeric characters   + Not required * Trainee Type (i.e. head teacher, assistant head teacher, smc members, teacher, student etc)   + Select type from dropdown list   + Is required |

### Training Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 18 |
| Application | Training modification |
| Use Case Name | Authorized user modifies a training information |
| Use Case Description | Editing training details. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the home page of the application & user can modify existing training information by clicking on ‘Training’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Training’ link from ‘Setup’ options. * System displays existing training list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Training’ screen with selected training information. * Fills the valid training information and clicks the ‘update’ button. * If information is valid then system updates the user information into system database and closes the ‘Training’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.7.1 Training Creation**: fields |

### Training Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 19 |
| Application | Training deletion |
| Use Case Name | Authorized user deletes a training information |
| Use Case Description | Removing training information |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have deletion rights |
| Post-condition | * System will display the home page of the application & user can delete existing training by clicking on ‘Training’ |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Training’ link from ‘Setup’ options. * System displays existing training list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the training information from system database and updates the ‘training’ list. |
| Alternate Flow | N/A |
| Fields | See **2.7.1 Training Creation**: fields |

## 

## ~~Donor Management~~

The donor information management module allows the authorized user to configure the different donor which will use in the application. Each donor will be assigned donor name, address and other information.

### Donor Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 29 |
| Application | Donor creation |
| Use Case Name | Authorized user creates a new donor account |
| Use Case Description | Creating new donor that will be used in school module in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the home page of the application & user can create new donor |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Donor’ link from ‘Setup’ options. * System displays existing donor list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘donor’ form screen. * Fills the valid donor information and clicks the ‘add’ button. * If information is valid then system adds the donor information into system database and closes the ‘donor’ form screen. * If information is not valid system displays the error message |
| Fields | * Donor Code   + Entry for donor code   + Min Length: 0   + Max Length: 150   + Special characters is not allowed   + Allow only alpha numeric characters   + Is not required * Donor Type (i.e. SPA/DC, outside SPA etc.)   + Select donor type from dropdown list   + Is not required   + Relation with LinkedMap table * Donor Name   + Entry for donor name   + Min Length: 1   + Max Length: 150   + Special characters is allowed   + Is required * Contact Numbers   + Entry for Contact Number   + Max Length: 500   + Special characters allowed   + Is not required * Local Email   + Local e-mail address   + Min Length: 0   + Max Length: 150   + Special characters allowed   + Not required * Head Office Email   + Head Office e-mail address   + Min Length: 1   + Max Length: 150   + Special characters allowed   + Is required * Contact Person   + Entry for Contact persons   + Min Length: 1   + Max Length: 150   + Special characters allowed   + Is required * Local Office Address   + Entry for local office address   + Max Length: 500   + Not required * Head Office Address   + Entry for local office address   + Min Length: 1   + Max Length: 500   + Special characters allowed   + Is required * Description   + Details Description of the Donor Organization   + Max Length: 500   + Not required |

### Donor Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 30 |
| Application | Donor modification |
| Use Case Name | Authorized user modifies a donor information |
| Use Case Description | Editing donor information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the home page of the application & user can modify existing donor |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘donor’ link from ‘Setup’ options. * System displays existing donor list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘donor’ screen with selected donor information. * Fills the valid donor information and clicks the ‘update’ button. * If information is valid then system updates the donor information into system database and closes the ‘donor’ form screen. * If information is not valid, system displays the error message |
| Fields | See **2.11.1 Donor Creation**: fields |

### Donor Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 31 |
| Application | Donor deletion |
| Use Case Name | Authorized user deletes donor information |
| Use Case Description | Removing donor information |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the home page of the application & user can delete donor |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Donor’ link from ‘Setup’ options. * System displays existing donor list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the donor information from system database and updates the ‘donor’ list. |
| Fields | See **2.11.1 Donor Creation**: fields |

## Organization Management

The organization management module allows the authorized user to configure the different organization which will use in the application. Each organization will be assigned organization name, address and other information.

### Organization Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 32 |
| Application | Organization creation |
| Use Case Name | Authorized user creates a new organization information |
| Use Case Description | Creating new organization/ NGO that will be used in school, user and other modules in the system. Basically this organization support BRAC by physically (by providing resource), financially to run all projects successfully. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the home page of the application & user can create new organization |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Organization’ link from ‘Setup’ options. * System displays existing organization list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Organization’ form screen. * Fills the valid organization information and clicks the ‘add’ button. * If there are multiple governing board members then there will be multiple entry option for their name, designation & professional background. * Status of the members of apex bodies could be multiple. * If information is valid then system adds the organization information into system database and closes the ‘Organization’ form screen. * If information is not valid system displays the error message. |
| Fields | * Organization Name   + Entry for Organization’s name   + Min Length: 1   + Max Length: 150   + Special characters is allowed   + Is required * Organization Code   + Entry for organization code   + Min Length: 1   + Max Length: 150   + Allow only alpha numeric characters   + Is required * Year of Establishment   + Select year of establishment from calendar   + Min Length: 0   + Max Length: 50   + Not required * Legal/ Registration Status (i.e. social welfare/ society registration, NGO affairs bureau etc.)   + Select registration status from dropdown list   + Min Length: 0   + Max Length: 50   + Not required * Yearly Budget of the organization   + Entry for yearly budget   + Min Length: 0   + Max Length: 150   + Allow only numeric characters   + Not required * Yearly Staff Allocation   + Entry for no. of yearly staff allocation   + Max Length: 150   + Allow only numeric characters   + Not required * Involvement Status with BRAC (i.e. new, existing, dropped etc.)   + Select involvement status from dropdown list   + Min Length:0   + Max Length:50   + Not required * Address   + Entry for official address details   + Max Length: 500   + Special characters allowed   + Not required * Contact Numbers   + Entry for contact numbers   + Max Length: 150   + Special characters allowed   + Not required * Organization Head   + Entry for Organization Head information(name, personal contact number, position, email address)   + Max Length: 1000   + Special characters allowed   + Not required * Number of Governing Board Members   + Entry the number of executive member of governing board   + Max Length: 150   + Special characters allowed   + Not required * Governing Board Members Name   + Entry members name   + Max Length: 150   + Special characters allowed   + Not required * Email ID   + Entry email ID   + Max Length: 150   + Special characters allowed   + Not required |

### Organization Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 33 |
| Application | Organization modification |
| Use Case Name | Authorized user modifies a organization information |
| Use Case Description | Editing organization information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the home page of the application & user can edit existing organization |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Organization’ link from ‘Setup’ options. * System displays existing organization list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Organization’ screen with selected donor information. * Fills the valid information and clicks the ‘update’ button. * If there are multiple governing board members then there will be multiple entry option for their name, designation & professional background. * If information is valid then system updates the organization information into system database and closes the ‘Organization’ form screen. * If information is not valid, system displays the error message in the ‘Organization’ form screen. |
| Fields | See **2.12.1 Organization Creation**: fields |

### Organization Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 34 |
| Application | Organization deletion |
| Use Case Name | Authorized user deletes organization information |
| Use Case Description | Removing organization information |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the home page of the application & user can delete organization |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Organization’ link from ‘Setup’ options. * System displays existing organization list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the organization information from system database and updates the ‘Organization’ list. |
| Fields | See **2.12.1 Organization Creation**: fields |

## Medhabikash Management

The MedhabikashManagement module allows the authorized user to configure different medhabikash information which will use in the application. Each medhabikash will be assigned school name, school type, student type, student name and some other information.

### Medhabikash Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 65 |
| Application | Medhabikash creation |
| Use Case Name | Authorized user creates a new medhabikash information |
| Use Case Description | In this module all scholars’ information will be recorded in details. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have creation rights |
| Post-condition | * System will display the medhabikash creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Medhabikash’ link from ‘Setup’ options. * System displays existing school list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Medhabikash’ form screen. * Fills the valid medhabikash information and clicks the ‘add’ button. * If information is valid then system adds the medhabikash information into system database and closes the ‘medhabikash’ form screen. * If information is not valid system displays the error message. |
| Alternate Flow | N/A |
| Fields | * School Name   + Entry alphanumerical value   + Is required * Student Type (i.e. BRAC student, non BRAC student)   + Select student type from dropdown list   + Is required * Student Level (i.e. HSC, under graduation)   + Select student grade from dropdown list   + Is required * Student Name   + Entry alphabetical value   + Is required * Sex (i.e. male, female)   + Select student sex from dropdown list   + Is required * Result at SSC/ HSC level   + Entry GPA   + Entry Grade (like, A, A+, B)   + Is required * SSC/ HSC Division(i.e. science, arts, commerce)   + Select student group from dropdown list   + Is required * Amount of Financial Support to HSC Level Student   + Entry numerical value   + Is required * Institution Type of Under Graduation(i.e. college, university, medical)   + Select institution type from dropdown list   + Not required * Under Graduation Main Subject   + Entry alpha numeric value   + Is required * Follow up Students result at under graduate Level   + Entry GPA   + Entry Grade (like, A, A+, B)   + Is required * Amount of Financial Support to Under Graduate Level Student   + Entry numerical value   + Is required * Total Number of Students Received Financial Assistance at Under Graduation Level   + Entry numerical value   + Is required * Number of Female Students Received Medhabikash at Under Graduation Level   + Entry numerical value   Is required |

### Medhabikash Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 66 |
| Application | Medhabikashmodification |
| Use Case Name | Authorized user modifies a medhabikash information |
| Use Case Description | Editing medhabikashinformation that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have modification rights |
| Post-condition | * System will display the drop out modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Medhabikash’ link from ‘Setup’ options. * System displays existing school list and ‘New’ link. * Clicks the ‘Edit’ icon. * System opens the ‘Medhabikash’ form screen. * Edit the valid medhabikash information and clicks the ‘save’ button. * If information is valid then system adds the medhabikash information into system database and closes the ‘medhabikash’ form screen. * If information is not valid system displays the error message. |
| Fields | See **2.23.1 Medhabikash Creation**: fields |

### Medhabikash Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 67 |
| Application | Medhabikashdeletion |
| Use Case Name | Authorized user deletes medhabikash information |
| Use Case Description | Removing ‘medhabikash’ information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the medhabikash deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Medhabikash’ link from ‘Setup’ options. * System displays existing medhabikash list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the medhabikash information from system database and updates the ‘medhabikash’ list. |
| Alternate Flow | N/A |
| Fields | See **2.23.1 Medhabikash Creation**: fields |

## ADP Management

The ADP Management module allows the authorized user to configure different medhabikash information which will use in the application. Each ADP will be assigned adolescent club name, adolescent clubdistrict, adolescent club area, adolescent member name, adolescent leaders name and some other information.

### Adolescent Club Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 68 |
| Application | Adolescent Club creation |
| Use Case Name | Authorized user creates a new Adolescent Club information |
| Use Case Description | All adolescent club will be entered in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have creation rights |
| Post-condition | * System will display the Adolescent Club creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘ADP’ link from ‘Setup’ options. * Clicks on ‘Adolescent Club’ link. * System displays existing adolescent club list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Adolescent Club’ form screen. * Fills the valid adolescent club information and clicks the ‘add’ button. * If information is valid then system adds the adolescent club information into system database and closes the ‘Adolescent Club’ form screen. * If information is not valid system displays the error message. |
| Alternate Flow | N/A |
| Fields | * Club Name   + Entry club name using alphanumeric value   + Is required * Club District   + Select district from dropdown list   + Is required * Club Area   + Select area from dropdown list   + Is required * Is Community Supported? (i.e. yes, no)   + Select student grade from dropdown list   + Is required * No. of Stage Show Organized?   + Entry numeric value only   + Is required * No. of CulturalActivities Organized   + Entry numeric value only   + Is required * No. of Members Involved in Cultural Activities?   + Entry numeric value only   + Is required * No. of Participants Selected for TV Shows   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of members received LSBE Sessions   + Entry numeric value only   + Is required * No. of Female Adolescent Leader APON/LSBE Designated to Facilitate Adolescent Club   + Entry numeric value only   + Is required * No. of Leaders Received Orientation for Organizing APON/LSBE Courses   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of Leaders Received Livelihood Training   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of Adolescent Club Supported by Donor   + Entry numeric value only   + Is required * No. of Adolescent Club Supported by Fund   + Entry numeric value only   + Is required * No. of Adolescent Leader Supported by Donor   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of Adolescent Leader Supported Fund   + Entry numeric value for male   + Entry numeric value for female   + Is required * No. of parents mobilized through parents meetings   + Entry numeric value only   + Is required * No. of mothers mobilized through mothers forum meetings   + Entry numeric value only   + Is required * No. of mothers mobilized through mothers forum meetings   + Entry numeric value only   + Is required * No. of mothers meeting held on child rights, family planning, child marriage, dowry, sexual harassment etc.   + Entry numeric value only   + Is required * No. of sessions were held with adolescent’s fathers.   + Entry numeric value only   + Is required * No. of community leaders participated at workshop   + Entry numeric value only   + Is required |

### Adolescent Club Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 69 |
| Application | Adolescent modification |
| Use Case Name | Authorized user modifies aadolescent information |
| Use Case Description | Editing adolescent information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have modification rights |
| Post-condition | * System will display the drop out modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘ADP’ link from ‘Setup’ options. * Clicks the ‘Adolescent Club’ link from ‘Setup’ options. * System displays existing adolescent club list and ‘New’ link. * Clicks the ‘Edit’ icon. * System opens the ‘Adolescent Club’ form screen. * Edit the valid adolescent club information and clicks the ‘save’ button. * If information is valid then system updates the adolescent club information into system database and closes the ‘adolescent club’ form screen. * If information is not valid system displays the error message. |
| Fields | See **2.24.1 Adolescent Club Creation**: fields |

### Adolescent Club Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 70 |
| Application | Adolescent club deletion |
| Use Case Name | Authorized user deletes adolescent club information |
| Use Case Description | Removing ‘adolescent club’ information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the adolescent club deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘ADP’ link from ‘Setup’ options. * Clicks the ‘Adolescent Club’ link from ‘Setup’ options. * System displays existing adolescent club list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the adolescent club information from system database and updates the ‘adolescent club’ list. |
| Alternate Flow | N/A |
| Fields | See **2.24.1 Adolescent Club Creation**: fields |

### Adolescent Leader Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 71 |
| Application | Adolescent Leader creation |
| Use Case Name | Authorized user creates a new Adolescent Leader information |
| Use Case Description | All adolescent leaders will be entered in the system according to the club. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have creation rights |
| Post-condition | * System will display the Adolescent Leader creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘ADP’ link from ‘Setup’ options. * Clicks on ‘Adolescent Leader’ link. * System displays existing adolescent leader list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Adolescent Leader’ form screen. * Fills the valid adolescent leader information and clicks the ‘add’ button. * If information is valid then system adds the adolescent leader information into system database and closes the ‘Adolescent Leader’ form screen. * If information is not valid system displays the error message. |
| Alternate Flow | N/A |
| Fields | * Club District   + Select district from dropdown list   + Is required * Club Area   + Select area from dropdown list   + Is required * Club Name   + Entry club name using alphanumeric value   + Is required * Leader Name   + Entry club name using alphanumeric value   + Is required * Leader Age   + Entry club name using numeric value   + Is required * Leader Sex   + Entry club name using alphanumeric value   + Is required * Received Leadership Training (i.e.yes,no)   + Select from dropdown list   + Is required * Received Refreshers Training (i.e.yes,no)   + Select from dropdown list   + Is required |

### Adolescent Leader Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 72 |
| Application | Adolescent modification |
| Use Case Name | Authorized user modifies a adolescent information |
| Use Case Description | Editing adolescent leader information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have modification rights |
| Post-condition | * System will display the adolescent leader modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘ADP’ link from ‘Setup’ options. * Clicks the ‘Adolescent Leader’ link from ‘Setup’ options. * System displays existing adolescent leader list and ‘New’ link. * Clicks the ‘Edit’ icon. * System opens the ‘Adolescent Leader’ form screen. * Edit the valid adolescent leader information and clicks the ‘save’ button. * If information is valid then system updates the adolescent leader information into system database and closes the ‘adolescent leader’ form screen. * If information is not valid system displays the error message. |
| Fields | See **2.24.4 Adolescent Leader Creation**: fields |

### Adolescent Leader Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 73 |
| Application | Adolescent Leader deletion |
| Use Case Name | Authorized user deletes adolescent leader information |
| Use Case Description | Removing ‘adolescent leader’ information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the adolescent leader deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘ADP’ link from ‘Setup’ options. * Clicks the ‘Adolescent Leader’ link from ‘Setup’ options. * System displays existing adolescent club list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the adolescent leader information from system database and updates the ‘adolescent leader’ list. |
| Alternate Flow | N/A |
| Fields | See **2.24.4 Adolescent Leader Creation**: fields |

### Adolescent Member Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 74 |
| Application | Adolescent Member creation |
| Use Case Name | Authorized user creates a new Adolescent Member information |
| Use Case Description | All adolescent members will be entered in the system according to the club. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have creation rights |
| Post-condition | * System will display the Adolescent Member creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘ADP’ link from ‘Setup’ options. * Clicks on ‘Adolescent Member’ link. * System displays existing adolescent leader list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Adolescent Member’ form screen. * Fills the valid adolescent member information and clicks the ‘add’ button. * If information is valid then system adds the adolescent member information into system database and closes the ‘Adolescent Member’ form screen. * If information is not valid system displays the error message. |
| Alternate Flow | N/A |
| Fields | * Club District   + Select district from dropdown list   + Is required * Club Area   + Select area from dropdown list   + Is required * Club Name   + Entry club name using alphanumeric value   + Is required * Member Name   + Entry club name using alphanumeric value   + Is required * Member Age   + Entry club name using numeric value   + Is required * Member Sex   + Entry club name using alphanumeric value   + Is required * Borrowed Any Book (i.e.yes,no)   + Select from dropdown list   + Is required * Received LSBE Training (i.e.yes,no)   + Select from dropdown list   + Is required * LSBE Training Type   + Select from dropdown list   + Is required * Received Livelihood Skill Development Training (i.e.yes,no)   + Select from dropdown list   + Is required * LSBE Training Type   + Select from dropdown list   + Is required * Community Participation (i.e.yes,no)   + Select from dropdown list   + Is required * Received Financial Literacy Empowerment Training (i.e.yes,no)   + Select from dropdown list   + Is required |

### Adolescent Member Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 75 |
| Application | Adolescent member modification |
| Use Case Name | Authorized user modifies a adolescent member information |
| Use Case Description | Editing adolescent member information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have modification rights |
| Post-condition | * System will display the adolescent member modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘ADP’ link from ‘Setup’ options. * Clicks the ‘Adolescent Member’ link from ‘Setup’ options. * System displays existing adolescent member list and ‘New’ link. * Clicks the ‘Edit’ icon. * System opens the ‘Adolescent Member’ form screen. * Edit the valid adolescent member information and clicks the ‘save’ button. * If information is valid then system updates the adolescent member information into system database and closes the ‘adolescent member’ form screen. * If information is not valid system displays the error message. |
| Fields | See **2.24.7 Adolescent Leader Creation**: fields |

### Adolescent Member Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 76 |
| Application | Adolescent Member deletion |
| Use Case Name | Authorized user deletes adolescent member information |
| Use Case Description | Removing ‘adolescent member’ information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the adolescent member deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘ADP’ link from ‘Setup’ options. * Clicks the ‘Adolescent Member’ link from ‘Setup’ options. * System displays existing adolescent member list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the adolescent member information from system database and updates the ‘adolescent member’ list. |
| Alternate Flow | N/A |
| Fields | See **2.24.7 Adolescent Member Creation**: fields |

## Gonokendro/MCLC Management

The Gonokendro/MCLC (Multipurpose Community Learning Centre) Management module allows the authorized user to configure different gonokendro information which will be used in the application. Each Gonokendro/MCLC will be assigned gonokendro district, gonokendro area, gonokendromembernameand some other information.

### Gonokendro/MCLC Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 77 |
| Application | GonokendroClub creation |
| Use Case Name | Authorized user creates a new Gonokendro/MCLC information |
| Use Case Description | Creating Gonokendroinformation that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have creation rights |
| Post-condition | * System will display the Gonokendrocreation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Gonokendro/MCLC’ link from ‘Setup’ options. * Clicks on ‘Gonokendro/MCLC’ link. * System displays existing Gonokendro/MCLClist and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Gonokendro/MCLC’ form screen. * Fills the valid gonokendro/MCLC information and clicks the ‘add’ button. * If information is valid then system adds the Gonokendro/MCLC information into system database and closes the ‘Gonokendro/MCLC’ form screen. * If information is not valid system displays the error message. |
| Alternate Flow | N/A |
| Fields | * Gonokendro Code   + Entry club code using numeric value   + Is required * GonokendroName   + Entry gonokendro name using alphanumeric value   + Is required * GonokendroDistrict   + Select district from dropdown list   + Is required * GonokendroArea   + Select area from dropdown list   + Is required * No. of gonokendro members   + Entry club member using numeric value   + Is required * No. of Librarian of this gonokendro   + Entry numeric value only   + Is required * Community supported gonokendro(i.e. yes, no)   + Select from dropdown list   + Is required * Have children corner(i.e. yes, no)   + Select from dropdown list   + Is required * Have computer facility(i.e. yes, no)   + Select from dropdown list   + Is required * No. of members/ trainee received basic computer training   + Entry numeric value only   + Is required |

### Gonokendro/MCLC Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 78 |
| Application | Gonokendro/MCLCmodification |
| Use Case Name | Authorized user modifies a Gonokendro/MCLCinformation |
| Use Case Description | Editing Gonokendro/MCLCinformation that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have modification rights |
| Post-condition | * System will display the drop out modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Gonokendro/MCLC’ link from ‘Setup’ options. * Clicks the ‘Gonokendro/MCLC’ link from ‘Setup’ options. * System displays existing Gonokendro/MCLC list and ‘New’ link. * Clicks the ‘Edit’ icon. * System opens the ‘Gonokendro/MCLC’ form screen. * Edit the valid Gonokendro/MCLC information and clicks the ‘save’ button. * If information is valid then system updates the Gonokendro/MCLCinformation into system database and closes the ‘Gonokendro/MCLC’ form screen. * If information is not valid system displays the error message. |
| Fields | See **2.25.1Gonokendro/MCLC Creation**: fields |

### Gonokendro/MCLC Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 79 |
| Application | Gonokendro/MCLC deletion |
| Use Case Name | Authorized user deletes Gonokendro/MCLCinformation |
| Use Case Description | Removing ‘Gonokendro/MCLC’ information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the Gonokendro/MCLCdeletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Gonokendro/MCLC’ link from ‘Setup’ options. * System displays existing Gonokendro/MCLC list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the Gonokendro/MCLC information from system database and updates the ‘adolescent club’ list. |
| Alternate Flow | N/A |
| Fields | See **2.25.1Gonokendro/MCLC Creation**: fields |

## Chatrabandhu Management

The Chatrabandhu Management module allows the authorized user to configure different chatrabandhu information which will be used in the application. Each chatrabandhu will be assigned chatrabandhudistrict, chatrabandhuarea, chatrabandhumember name and some other information.

### Chatrabandhu Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 80 |
| Application | Chatrabandhu creation |
| Use Case Name | Authorized user creates a new Chatrabandhu information |
| Use Case Description | Creating Chatrabandhuinformation that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have creation rights |
| Post-condition | * System will display the Chatrabandhucreation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Chatrabandhu’ link from ‘Setup’ options. * Clicks on ‘Chatrabandhu’ link. * System displays existing Chatrabandhu list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Chatrabandhu’ form screen. * Fills the valid Chatrabandhu information and clicks the ‘add’ button. * If information is valid then system adds the Chatrabandhu information into system database and closes the ‘Chatrabandhu’ form screen. * If information is not valid system displays the error message. |
| Alternate Flow | N/A |
| Fields | * Chatrabandhu Name   + Entry club name using alphanumeric value   + Is required * Sex (i.e. male, female)   + Select sex from dropdown list   + Is required * Age   + Entry numeric value only   + Is required * District   + Select district from dropdown list   + Is required * ChatrabandhuCoverageArea   + Select area from dropdown list   + Is required * Received BRAC Training (i.e. yes, no)   + Select from dropdown list   + Is required |

### Chatrabandhu Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 81 |
| Application | Chatrabandhu modification |
| Use Case Name | Authorized user modifies a Chatrabandhu information |
| Use Case Description | Editing Chatrabandhuinformation that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have modification rights |
| Post-condition | * System will display the drop out modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Chatrabandhu’ link from ‘Setup’ options. * System displays existing Chatrabandhu list and ‘New’ link. * Clicks the ‘Edit’ icon. * System opens the ‘Chatrabandhu’ form screen. * Edit the valid Chatrabandhu information and clicks the ‘save’ button. * If information is valid then system updates the Chatrabandhu information into system database and closes the ‘Chatrabandhu’ form screen. * If information is not valid system displays the error message. |
| Fields | See **2.26.1 Chatrabandhu Creation**: fields |

### ChatrabandhuDeletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 82 |
| Application | Chatrabandhu deletion |
| Use Case Name | Authorized user deletes Chatrabandhu information |
| Use Case Description | Removing ‘Chatrabandhu’ information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the Chatrabandhu deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Chatrabandhu’ link from ‘Setup’ options. * System displays existing Chatrabandhulist with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the Chatrabandhu information from system database and updates the ‘Chatrabandhu’ list. |
| Alternate Flow | N/A |
| Fields | See **2.26.1 Chatrabandhu Creation**: fields |

## Fee Management

The Chatrabandhu Management module allows the authorized user to configure different chatrabandhu information which will be used in the application. Each chatrabandhu will be assigned chatrabandhudistrict, chatrabandhuarea, chatrabandhumember name and some other information.

### ~~Fee Creation~~

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 80 |
| Application | Chatrabandhu creation |
| Use Case Name | Authorized user creates a new Chatrabandhu information |
| Use Case Description | Creating Chatrabandhuinformation that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have creation rights |
| Post-condition | * System will display the Chatrabandhucreation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Chatrabandhu’ link from ‘Setup’ options. * Clicks on ‘Chatrabandhu’ link. * System displays existing Chatrabandhu list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Chatrabandhu’ form screen. * Fills the valid Chatrabandhu information and clicks the ‘add’ button. * If information is valid then system adds the Chatrabandhu information into system database and closes the ‘Chatrabandhu’ form screen. * If information is not valid system displays the error message. |
| Alternate Flow | N/A |
| Fields | * Fee type udv id (monthly fee, session fee, admission fee, exam fee, sports fee etc)   + Select from dropdown list   + Is required   + Min Length: 1   + Max Length: 36 * Category (yearly, onetime, monthly, etc)   + Select from dropdown list   + Min Length:1   + Max Length: 50   + Is required * School ID   + Type - string   + Is required   + Min Length: 1   + Max Length: 36 * Grade ID   + Type - string   + Is required   + Min Length: 1   + Max Length: 150 * Year   + Type - string   + Is required   + Min Length: 1   + Max Length: 100 * Mandatory (i.e. yes, no)   + Select from dropdown list   + Is required * Amount   + Type - double   + Is required |

### Fee Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 81 |
| Application | Chatrabandhu modification |
| Use Case Name | Authorized user modifies a Chatrabandhu information |
| Use Case Description | Editing Chatrabandhuinformation that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have modification rights |
| Post-condition | * System will display the drop out modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Chatrabandhu’ link from ‘Setup’ options. * System displays existing Chatrabandhu list and ‘New’ link. * Clicks the ‘Edit’ icon. * System opens the ‘Chatrabandhu’ form screen. * Edit the valid Chatrabandhu information and clicks the ‘save’ button. * If information is valid then system updates the Chatrabandhu information into system database and closes the ‘Chatrabandhu’ form screen. * If information is not valid system displays the error message. |
| Fields | See **2.26.1 Chatrabandhu Creation**: fields |

### Fee Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 82 |
| Application | Chatrabandhu deletion |
| Use Case Name | Authorized user deletes Chatrabandhu information |
| Use Case Description | Removing ‘Chatrabandhu’ information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the Chatrabandhu deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Chatrabandhu’ link from ‘Setup’ options. * System displays existing Chatrabandhulist with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the Chatrabandhu information from system database and updates the ‘Chatrabandhu’ list. |
| Alternate Flow | N/A |
| Fields | See **2.26.1 Chatrabandhu Creation**: fields |

## Transaction History Management

The Chatrabandhu Management module allows the authorized user to configure different chatrabandhu information which will be used in the application. Each chatrabandhu will be assigned chatrabandhudistrict, chatrabandhuarea, chatrabandhumember name and some other information.

### Transaction History Creation

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 80 |
| Application | Chatrabandhu creation |
| Use Case Name | Authorized user creates a new Chatrabandhu information |
| Use Case Description | Creating Chatrabandhuinformation that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have creation rights |
| Post-condition | * System will display the Chatrabandhucreation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Chatrabandhu’ link from ‘Setup’ options. * Clicks on ‘Chatrabandhu’ link. * System displays existing Chatrabandhu list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Chatrabandhu’ form screen. * Fills the valid Chatrabandhu information and clicks the ‘add’ button. * If information is valid then system adds the Chatrabandhu information into system database and closes the ‘Chatrabandhu’ form screen. * If information is not valid system displays the error message. |
| Alternate Flow | N/A |
| Fields | * Fee Id   + Select from dropdown list   + Min Length:1   + Max Length: 36   + Is required * Institute ID   + Type - string   + Min Length: 1   + Max Length: 100   + Is required * Grade ID   + Type - string   + Min Length: 1   + Max Length: 100   + Is required * Student ID   + Type - string   + Min Length: 1   + Max Length: 100   + Is required * Year   + Type - string   + Min Length: 1   + Max Length: 20   + Is required * Mandatory (i.e. yes, no)   + Select from dropdown list   + Is required * Amount   + Type - double   + Is required * Deposited   + Type - double   + Is required * Collection Date   + Type - Calender   + Is required |

### Chatrabandhu Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 81 |
| Application | Chatrabandhu modification |
| Use Case Name | Authorized user modifies a Chatrabandhu information |
| Use Case Description | Editing Chatrabandhuinformation that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged into the system * Must have modification rights |
| Post-condition | * System will display the drop out modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Chatrabandhu’ link from ‘Setup’ options. * System displays existing Chatrabandhu list and ‘New’ link. * Clicks the ‘Edit’ icon. * System opens the ‘Chatrabandhu’ form screen. * Edit the valid Chatrabandhu information and clicks the ‘save’ button. * If information is valid then system updates the Chatrabandhu information into system database and closes the ‘Chatrabandhu’ form screen. * If information is not valid system displays the error message. |
| Fields | See **2.26.1 Chatrabandhu Creation**: fields |

### ChatrabandhuDeletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 82 |
| Application | Chatrabandhu deletion |
| Use Case Name | Authorized user deletes Chatrabandhu information |
| Use Case Description | Removing ‘Chatrabandhu’ information that will be used in different modules in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the Chatrabandhu deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Chatrabandhu’ link from ‘Setup’ options. * System displays existing Chatrabandhulist with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the Chatrabandhu information from system database and updates the ‘Chatrabandhu’ list. |
| Alternate Flow | N/A |
| Fields | See **2.26.1 Chatrabandhu Creation**: fields |

## Grading System Management

The grade management module allows the authorized user to configure the different grade which will be used in student result module. Each grade will be assigned code, name, marks and description.

### ~~Grading System creation~~

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 47 |
| Application | Grade creation |
| Use Case Name | Authorized user creates a new grade |
| Use Case Description | Creating a new grade that will be used in result module in the application. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the grade creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Grade’ link from ‘Setup’ options. * System displays existing grade list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Grade’ form screen. * Fills the valid grade information and clicks the ‘add’ button. * If information is valid then system adds the grade information into system database and closes the ‘Grade’ form screen. * If information is not valid system displays the error message. |
| Fields | * Name   + Entry for name   + Allow only alpha numeric characters   + Min Length: 1   + Max Length: 10   + Special characters is not allowed   + Is required   + Unique * Scale   + Entry for scale   + float (e.g. 5,4 etc)   + Required |

### Grading System Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 48 |
| Application | Grade modification |
| Use Case Name | Authorized user modifies a grade |
| Use Case Description | Editing grade details information that will use in result module in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the grade modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Grade’ link from ‘Setup’ options. * System displays existing grade list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Grade’ screen. * Fills the valid grade information and clicks the ‘update’ button. * If information is valid then system updates the grade information into system database and closes the ‘grade’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.17.1 Grade Creation**: fields |

### Grading System Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 49 |
| Application | Grade deletion |
| Use Case Name | Authorized user deletes a grade |
| Use Case Description | Removing grade details information from the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the grade deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘grade’ link from ‘Setup’ options. * System displays existing list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the grade information from system database and updates the ‘grade’ list. |
| Fields | See **2.17.1 Grade Creation**: fields |

## Grade Point Management

The grade management module allows the authorized user to configure the different grade which will be used in student result module. Each grade will be assigned code, name, marks and description.

### Grade Point ~~creation~~

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 47 |
| Application | Grade creation |
| Use Case Name | Authorized user creates a new grade |
| Use Case Description | Creating a new grade that will be used in result module in the application. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the grade creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Grade’ link from ‘Setup’ options. * System displays existing grade list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Grade’ form screen. * Fills the valid grade information and clicks the ‘add’ button. * If information is valid then system adds the grade information into system database and closes the ‘Grade’ form screen. * If information is not valid system displays the error message. |
| Fields | * Letter/Grade   + Entry for letter/grade (e.g. A, A+)   + Allow only alpha numeric characters   + Min Length: 1   + Max Length: 5   + Special characters is not allowed   + Is required   + Unique * Min mark   + Entry for min mark   + float (e.g. 55 etc)   + Required * Max mark   + Entry for max mark   + float (e.g. 55 etc)   + Required * Point   + Entry for point   + float (e.g. 3.75 etc)   + Required |

### Grade Point Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 48 |
| Application | Grade modification |
| Use Case Name | Authorized user modifies a grade |
| Use Case Description | Editing grade details information that will use in result module in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the grade modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Grade’ link from ‘Setup’ options. * System displays existing grade list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Grade’ screen. * Fills the valid grade information and clicks the ‘update’ button. * If information is valid then system updates the grade information into system database and closes the ‘grade’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.17.1 Grade Creation**: fields |

### Grade Point Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 49 |
| Application | Grade deletion |
| Use Case Name | Authorized user deletes a grade |
| Use Case Description | Removing grade details information from the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the grade deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘grade’ link from ‘Setup’ options. * System displays existing list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the grade information from system database and updates the ‘grade’ list. |
| Fields | See **2.17.1 Grade Creation**: fields |

## Student Activity Management

The grade management module allows the authorized user to configure the different grade which will be used in student result module. Each grade will be assigned code, name, marks and description.

### Student Activity ~~creation~~

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 47 |
| Application | Grade creation |
| Use Case Name | Authorized user creates a new grade |
| Use Case Description | Creating a new grade that will be used in result module in the application. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the grade creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Grade’ link from ‘Setup’ options. * System displays existing grade list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Grade’ form screen. * Fills the valid grade information and clicks the ‘add’ button. * If information is valid then system adds the grade information into system database and closes the ‘Grade’ form screen. * If information is not valid system displays the error message. |
| Fields | * Activity type Udv id   + Dropdown from UDV   + Min Length: 1   + Max Length: 36 * Institute ID   + String   + Min Length: 1   + Max Length: 36   + Required * Result   + String   + Min Length: 1   + Max Length: 20   + Required * Start time   + Calendar. * End time   + Calendar |

### Student Activity Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 48 |
| Application | Grade modification |
| Use Case Name | Authorized user modifies a grade |
| Use Case Description | Editing grade details information that will use in result module in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the grade modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Grade’ link from ‘Setup’ options. * System displays existing grade list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Grade’ screen. * Fills the valid grade information and clicks the ‘update’ button. * If information is valid then system updates the grade information into system database and closes the ‘grade’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.17.1 Grade Creation**: fields |

### Student Activity Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 49 |
| Application | Grade deletion |
| Use Case Name | Authorized user deletes a grade |
| Use Case Description | Removing grade details information from the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the grade deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘grade’ link from ‘Setup’ options. * System displays existing list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the grade information from system database and updates the ‘grade’ list. |
| Fields | See **2.17.1 Grade Creation**: fields |

## UDV Management

The grade management module allows the authorized user to configure the different grade which will be used in student result module. Each grade will be assigned code, name, marks and description.

### UDV ~~creation~~

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 47 |
| Application | Grade creation |
| Use Case Name | Authorized user creates a new grade |
| Use Case Description | Creating a new grade that will be used in result module in the application. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have creation rights |
| Post-condition | * System will display the grade creation link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’. * Clicks the ‘Grade’ link from ‘Setup’ options. * System displays existing grade list and ‘New’ link. * Clicks the ‘New’ link. * System opens the ‘Grade’ form screen. * Fills the valid grade information and clicks the ‘add’ button. * If information is valid then system adds the grade information into system database and closes the ‘Grade’ form screen. * If information is not valid system displays the error message. |
| Fields | * Parent ID   + String   + Min Length: 0   + Max Length: 250   + Not Required * Category   + String   + Min Length: 0   + Max Length: 250   + Not Required * Value   + String   + Min Length: 0   + Max Length: 250   + Not Required * Alt Value   + String   + Min Length: 0   + Max Length: 250   + Not Required * Hierarchy ID   + String   + Min Length: 0   + Max Length: 250   + Not Required * Status   + Boolean   + Not Required |

### UDV Modification

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 48 |
| Application | Grade modification |
| Use Case Name | Authorized user modifies a grade |
| Use Case Description | Editing grade details information that will use in result module in the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have modification rights |
| Post-condition | * System will display the grade modification link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘Grade’ link from ‘Setup’ options. * System displays existing grade list with ‘edit’ icon link. * Clicks the ‘edit’ icon link. * System opens the ‘Grade’ screen. * Fills the valid grade information and clicks the ‘update’ button. * If information is valid then system updates the grade information into system database and closes the ‘grade’ form screen. * If information is not valid, system displays the error message. |
| Fields | See **2.17.1 Grade Creation**: fields |

### UDV Deletion

|  |  |
| --- | --- |
| Use Case Element | Description |
| Use Case Number | 49 |
| Application | Grade deletion |
| Use Case Name | Authorized user deletes a grade |
| Use Case Description | Removing grade details information from the system. |
| Actor | Authorized user |
| Pre-condition | * User must be logged in the system * Must have deletion rights |
| Post-condition | * System will display the grade deletion link |
| Trigger | N/A |
| Basic Flow | * Authorized user clicks the ‘Setup’ link from ‘Menu’ bar. * Clicks the ‘grade’ link from ‘Setup’ options. * System displays existing list with ‘delete’ icon link. * Clicks the ‘delete’ icon link. * System will show a warning message. * Clicks the ‘ok’ button. * System deletes the grade information from system database and updates the ‘grade’ list. |
| Fields | See **2.17.1 Grade Creation**: fields |

## ERD

|  |
| --- |
| User |
|  |