# Use Case: Update Universities Information

**Primary Actor:** Administrator

## Stakeholders and Interests:

Administrator: Wants to accurately update universities information (for instance: programs and courses) and wants to easily design or delete alerts related to specific university.

Students: Expects universities all data (programs and courses) and alerts accurately displayed for their life-making decisions.

Universities: Expects all their data is accurately rendered. Programs, courses and alerts are properly synchronized with the universities current data.

Teacher (Our project stakeholder): Wants all the features implemented correctly for this university update information and every feature is user-friendly.

## Pre-Conditions:

1- Administrator must be signed up with valid administrator ID and password.
2- Universities Programs and courses must be available in the system and are accessible.

## Post-Conditions:

1- Update is made and saved successfully.

2- Update is displayed successfully on the system.

## Main Success Scenarios:

1- Administrator logs in with special Administrator ID and password.

2- Administrator navigates to the private administrator update info section.

3- Administrator selects the university for which information needs to be updated.

4- Administrator selects program, courses or alerts of the relevant university to get updated.

5- Administrator adds, deletes, edits courses or programs as per requirements.

6- Administrator designs alerts or delete outdated ones for specific university.

7- Administrator submits the changes.

8- System saves the changes.

9- System confirms the information updated successfully in the form of message.

10-Administrator views the updated changes on the system for assurance.

## Alternatives:

*a. Any time system fails:

To support recovery and maintenance of the system,

> 1- System signals an error message to the administrator in case of any errors.
> 2- System ensures all the draft changes are saved properly.
> 3- System reconstructs prior state after the failure diminished.

2a- Invalid Login or password:

> 1- System displays an error message and asks to try again.

3a- Success Notification fails:

> 1- System includes a "View Updated Info" button where updated changes are displayed on the website and administrator checks manually if changes are made successfully or not.

4a- System slows down:

> 1- System detects and notifies the administrator which explains the system is slowing down and gives two options of "wait "or "close" the application.
> 2- If the user selects close, system saves the draft info and reconstructs prior state when user comes back.
> 3- If user selects wait, system automatically improves its performance as soon as possible.

5a- Programs, courses or alerts rendering issues:

1- System notifies the administrator of certain error and retries for synchronization between data-base(where update is made) and website (which is displayed).

6a- Database Update Failure:

1- System notifies the error and asks the user to try again.

## Special Requirements:

1- Text must be visible from 1 meter.
2- Robust Recovery must be assured when data fetching, updating data or rendering data errors occur.
3- System must provide back-up of system's data if system slows down or fails suddenly.

## Technology and Data Variations list:

1- Programs or courses descriptions or any other text written from keyboard or allowed the copy-paste text too.
2- System allowed manually keyboard logins or saved user-Id and password click techniques.

## Frequency Of Occurrence:

Could be Nearly Continuous.