

The Faculty of Computers & Information

*FCI*

Beni Suef University

Graduation Project

**FCI Learning Management System**

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**Chapter 1**

* **The Moodle Training:**

**Moodle** is a leading virtual learning environment and can be used in many types of environments such as education, training and development and in business settings.

* **The Moodle Learning Management System:**

**Moodle** (**Modular Object-Oriented Dynamic Learning Environment**) is a free open-source learning management system or e-Learning platform, that serves educators and learners across the globe. It is the most widely used **LMS** in the world and currently has over 68 million users world-wide (and growing!).

* **The Meaning Of The Word "Moodle":**

Stands for "**Modular Object-Oriented Dynamic Learning Environment**" **Moodle** is an open source course management system, originally developed by Martin Dougiamas. It is used by thousands of educational institutions around the world to provide an organized interface for e-learning, or learning over the Internet.

* **The VLE Moodle:**

**Moodle** is an open-source **virtual learning environment** / **VLE** (also known as a learning management system or LMS), which has been developed by educators, for educators. It is this alignment with education, rather than profitability, which sets **Moodle** apart from other VLEs.

* **So In General "Moodle" Is:**
* Free, online Learning Management system enabling educators to create their own private website filled with dynamic courses that extend learning, any time, anywhere.
* Whether you're a teacher, student or administrator, Moodle can meet your needs. Moodle’s extremely customizable core comes with many standard features.
* **The Features Are Divided As:**
* **General Features:**
* **Modern, Easy To Use Interface**

Designed to be responsive and accessible, the Moodle interface is easy to navigate on both desktop and mobile devices.

* **Personalized Dashboard**

Organize and display courses the way you want, and view at a glance current tasks and messages.

* **Collaborative Tools and Activities**

Work and learn together in forums, wikis, glossaries, database activities, and much more.

* **All-In-One Calendar**

Moodle’s calendar tool helps you keep track of your academic or company calendar, course deadlines, group meetings, and other personal events.

* **Convenient File Management**

Drag and drop files from cloud storage services including MS OneDrive, Dropbox and Google Drive.

* **Simple and Intuitive Text Editor**

Format text and conveniently add media and images with an editor that works across all web browsers and devices.

* **Notifications**

When enabled, users can receive automatic alerts on new assignments and deadlines, forum posts and also send private messages to one another.

* **Track Progress**

Educators and learners can track progress and completion with an array of options for tracking individual activities or resources and at course level.

* **Adminstrative Features:**

### **Customizable Site Design and Layout**

### Easily customize a Moodle theme with your logo, color schemes and much more - or simply design your own theme.

### **Secure Authentication and Mass Enrolment**

### Over 50 authentication and enrolment options to add and enroll users to your Moodle site and courses.

### **Multilingual Capability**

### Allow users to view course content and learn in their own language, or set it up for multilingual users and organizations.

### **Bulk Course Creation and Easy Backup**

### Add courses in bulk, backup and restore large courses with ease.

### **Manage User Roles and Permissions**

### Address security concerns by defining roles to specify and manage user access.

### **Supports Open Standards**

### Readily import and export IMS-LTI, SCORM courses and more into Moodle.

### **High Interoperability**

### Freely integrate external applications and content or create your own plugin for custom integrations.

### **Simple Plugin Management**

### Install and disable plugins within a single admin interface.

### **Regular Security Updates**

### Moodle is regularly updated with the latest security patches to help ensure your Moodle site is secure.

### **Detailed Reporting and Logs**

### View and generate reports on activity and participation at course and site level.

* **Course Development and Management Features:**

### **Direct Learning Paths**

### Design and manage courses to meet various requirements. Classes can be instructor-led, self-paced, blended or entirely online.

### **Encourage Collaboration**

### Built-in collaborative publishing features foster engagement and encourage content-driven collaboration.

### **Embed External Resources**

### Teach materials and include assignments from other sites and connect to the gradebook in Moodle.

### **Multimedia Integration**

### Moodle’s built-in media support enables you to easily search for and insert video and audio files in your courses.

### **Group Management**

### Group learners to share courses, differentiate activities and facilitate team work.

### **Marking Workflow**

### Conveniently assign different markers to assignments, manage grade moderation and control when marks are released to individual learners.

### **In-line Marking**

### Easily review and provide in-line feedback by annotating on PDF files directly within browser.

### **Peer and Self-Assessment**

### Built-in activities such as workshops and surveys encourages learners to view, grade and assess their own and other course members' work as a group.

### **Integrated Badges**

### Fully compatible with Mozilla Open Badges, motivate learners and reward participation and achievement with customized Badges.

### **Outcomes and Rubrics**

### Select from advanced grading methods to tailor the gradebook to your course and examination criteria.

### **Security and Privacy**

Teach and share in a private space only you and your class can access.

**Chapter 2**

* **The Used Technologies For This Project:**

HTML, CSS, Java Script, jQuery, AJAX, Bootstrap,

PHP and My SQL.

* **The Description Of The Project:**

The Project We Intend To Make Is Called "**FCI Learning Management System**"(FCI LMS) WhichWill Focus On The Learning Process In The Collage, There Will Be Three Kinds Of Users For That Website System, The First of Them Is The Admin(s) Who Will Be an Employee In The College, The Second Is The Lecturers and The Third Is The Students, This Website System Is **Private** For Only The Lecturers and Students Of The Collage,

In Other Words, It Cannot Be Signed Up from Anyone Outside The Collage, The Thing We Intend To Do By Making The Admin Add The Basic Info For Either The Student or The Lecturer Who Want To Sign Up Like Their First Names, Second Names and Some Specific Info Like the Department For The Lecturer and The ID For The Student, Then The Lecturer or Student Will Use This Info Added By The Admin To Sign Up Besides Some Other Info That Will Be Required In The Signing Up Form Like Their Passwords Which Will Be Added By Their Own Not By The Admin, This System Manages The Full Learning Process In the Faculty Of Computers and Information For Both The Lecturers and Students Of All Levels By Enabling Both Of Them To:

* **The Features Of The Project**
* **The Lecturer Can**

1. Create his/her group for a (course).
2. Receive notifications from other lecturers and students.
3. Download downloadable Materials in a group.
4. Upload downloadable materials for his/her class.
5. Post announcements and events like cancelling the next

lecture or postponing it, quizzes, assignments and tasks.

1. View the students in a specific group.
2. Adding students to a specific group.
3. Printing students in a specific group.
4. Create an overview for a particular subject.
5. Send to lecturers or students and also receive messages from them.
6. Create a timetable for a particular subject.
7. Edit his/her profile by changing his/her personal photo and password but he/she cannot edit his/her other info like first and second name since they are added by the admin and could be changed only by him/her after a request from the lecturer.

* **The Student Can**

1. View colleges in his/her group.
2. Receive notifications from other students and lecturers.
3. Download downloadable materials in a group.
4. Upload downloadable materials.
5. Send to lecturers or students and also receive messages from them.
6. Receive subject overviews made by lecturers.
7. Receive subject timetables made by lecturers.
8. Edit his profile by changing his/her personal photo and password but he/she cannot edit his/her other info like first and second name since they are added by the admin and could be changed only by him after a request from the student.

* **The Admin Can**

1. Add, delete and edit a student info.
2. Add, delete and edit a department info.
3. Add, delete and edit a lecturer info.
4. Add, delete and edit a course info.
5. Add, delete and edit the content in static pages in the system.
6. View the full dashboard of the system which includes:
   * 1. the total number of students in the collage
     2. the total number of students registered in the system
     3. the total number of students unregistered in the system
     4. the total number of lecturers
     5. the total number of downloadable files.
7. Make events which will have starting and ending dates and titles like graduation and new student's reception parties.
8. Edit his/her profile info.
9. Search for
   * 1. a subject by it’s name
     2. a department by it’s name
     3. a student by it’s name
     4. a lecturer by it’s name
     5. a static page by it’s name
     6. the admin’s log-in trail history by his/her username
     7. the admin’s activity log by his/her username.

* **Additional Feature**
* **The System Has a Responsive Design**

It Can Be Accessed and Run on Various Devices Like PCs, Laptops, Smart Phones and Tablets.

**Chapter 3**

* **The Project Usecases Specifications**
* **The Usecases Specifications**
* **The Lecturer**

**First Featue: Class Creation**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (1) | | |
| **Use Case Name:** | Class Creation | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 14/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin and Lecturer | | |
| **Description:** | The Class is Like an Educational Group for the Course Given by the Lecturer | | |
| **Trigger:** | Creating a Class for the Course Taught by the Lecturer | | |
| **Normal Flow:** | The Lecturer Will:   1. Make a Login to the System 2. Choose the Grade Code of Students Which Will Be Taught by the Lecturer 3. Choose the Code of the Course 4. Choose the Current Academic Year, the Class is Created in Since the Academic Year Will Differentiate Between This Class and Others from the Previous Years | | |

**Second Featue: Uploading a Downloadable File**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (2) | | |
| **Use Case Name:** | Uploading a Downloadable File | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 14/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin and Lecturer | | |
| **Description:** | Through This Feature the Lecturer Can Upload a File Related to the Course Like a Lecture, Cheat or an Assignment | | |
| **Trigger:** | Uploading a File for the Class Related to the Course Taught by the Lecturer | | |
| **Normal Flow:** | The Lecturer Will:   1. Make a Login to the System 2. Choose the File 3. Write a Name for the File 4. Make a Description for the File 5. Choose the Course Code for Which the File is Uploaded | | |

**Third Featue: Making a Post or an Announcement**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (3) | | |
| **Use Case Name:** | Making a Post or an Announcement | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 14/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin and Lecturer | | |
| **Description:** | Through This Feature the Lecturer Can Make a Post or an Announcement Related to the Course Given by Him Like Cancelling a Lecture or Postponing It | | |
| **Trigger:** | Making a Post or an Announcement in the Class Created for the Course | | |
| **Normal Flow:** | The Lecturer Will:   1. Make a Login to the System 2. Write the Post or the Announcement 3. Choose the Grade Code for Which the Post or the   Announcement is Made | | |

**Fourth Featue: Viewing the Students for a Particular Course**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (4) | | |
| **Use Case Name:** | Viewing the Students for a Particular Course | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 14/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin and Lecturer | | |
| **Description:** | Through This Feature the Lecturer Can View the Students Learning a Particular Course Taught by Him | | |
| **Trigger:** | Viewing the Students for a Particular Course in It’s Related Class | | |
| **Normal Flow:** | The Lecturer Will:   1. Make a Login to the System 2. Choose the Grade Code for Which the Course is Taught | | |

**Fifth Featue: Sending a Message to a Student or Another Lecturer**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (5) | | |
| **Use Case Name:** | Sending a Message | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 14/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin and Lecturer | | |
| **Description:** | Through This Feature the Lecturer Can Send a Message to a Student in the Class of the Course Given by the Lecturer or to Another Lecturer | | |
| **Trigger:** | Sending a Message to a Student or to Another Lecturer | | |
| **Normal Flow:** | The Lecturer Will:   1. Make a Login to the System 2. Write the Message to Be Sent 3. Choose for Whom the Message Will Be Sent Whether to a Student or to Another Lecturer | | |

**Sixth Featue: Editing the Profile Info of the Lecturer**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (6) | | |
| **Use Case Name:** | Editing the Profile Info of the Lecturer | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 14/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin and Lecturer | | |
| **Description:** | Through This Feature the Lecturer Can Edit His Profile Info Like His Profile Picture or Password but He Can’t Edit His Basic Info Like His Name and ID Since These Info are Added Through the Admin and He is Only the Person Who Can Edit Them So that We Can Make the System Only Be Accessed form the Lecturers and Students from the Collage Only and Any Person Outside It Can Not Access to the System | | |
| **Trigger:** | Editing the Profile Info of the Lecturer | | |
| **Normal Flow:** | The Lecturer Will:   1. Make a Login to the System 2. Access His/her Profile Info 3. Change Whether His Password or His Profile Picture | | |

* **The Student**

**Seventh Featue: Viewing the Student’s Classmates for a Particular Course**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (7) | | |
| **Use Case Name:** | Viewing the Student’s Classmates for a Particular Course | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 14/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin and Student | | |
| **Description:** | Through This Feature the Student Can View His/her Classmates for a Particular Class (Course) | | |
| **Trigger:** | Viewing the Students for a Particular Course in It’s Related Class | | |
| **Normal Flow:** | The Student Will:   1. Make a Login to the System 2. Choose the Grade Code for Which the Course is Learned | | |

**Eighth Featue: Downloading a Downloadable File**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (8) | | |
| **Use Case Name:** | Downloading a Downloadable File | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 14/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin and Student | | |
| **Description:** | Through This Feature the Student Can Download a File Related to the Course Like a Lecture, Cheat or an Assignment | | |
| **Trigger:** | Downloading a File for the Class Related to the Course Taught by the Lecturer | | |
| **Normal Flow:** | The Student Will:   1. Make a Login to the System 2. Choose the Course Code in Which the File is Downloaded 3. Download the File | | |

**Ninth Featue: Uploading a Downloadable File**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (9) | | |
| **Use Case Name:** | Uploading a Downloadable File | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 14/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin and Student | | |
| **Description:** | Through This Feature the Student Can Upload a File Related to the Course Like an Assignment or a Cheat Asked by the Lecturer | | |
| **Trigger:** | Uploading a File for the Class Related to the Course | | |
| **Normal Flow:** | The Student Will:   1. Make a Login to the System 2. Choose the Course Code in Which the File is Uploaded 3. Upload the File | | |

**Tenth Featue: Sending a Message to a Lecturer or Another Student**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (10) | | |
| **Use Case Name:** | Sending a Message | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 14/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin and Student | | |
| **Description:** | Through This Feature the Student Can Send a Message to a Student in the Same Class of the Course Given by the Lecturer or to Lecturer | | |
| **Trigger:** | Sending a Message to a Lecturer or to Another Student | | |
| **Normal Flow:** | The Lecturer Will:   1. Make a Login to the System 2. Write the Message to Be Sent 3. Choose for Whom the Message Will Be Sent Whether to a Lecturer or to Another Student | | |

**Eleventh Featue: Editing the Profile Info of the Student**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (11) | | |
| **Use Case Name:** | Editing the Profile Info of the Student | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 14/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin and Lecturer | | |
| **Description:** | Through This Feature the Student Can Edit His Profile Info Like His Profile Picture or Password but He Can’t Edit His Basic Info Like His Name and ID Since These Info are Added Through the Admin and He is Only the Person Who Can Edit Them So that We Can Make the System Only Be Accessed form the Lecturers and Students from the Collage Only and Any Person Outside It Can Not Access to the System | | |
| **Trigger:** | Editing the Profile Info of the Student | | |
| **Normal Flow:** | The Lecturer Will:   1. Make a Login to the System 2. Change Whether His Password or His Profile Picture | | |

* **The Admin**

**Twelveth Featue: Adding, Deleting and Editing the Students Info**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (12) | | |
| **Use Case Name:** | Adding, Deleting and Editing the Students | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 16/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin | | |
| **Description:** | Through This Feature the Admin Can Add New Student or Delete a Previous One or Edit Another One Info Like His/her First Name, Last Name, Grade and ID | | |
| **Trigger:** | Editing the Profile Info of the Student | | |
| **Normal Flow:** | The Admin Will:   1. Make a Login to the System 2. Access the Students Info 3. Add a Student Info 4. Delete a Student Info 5. Edit a Student Info | | |

**Threeteenth Featue: Adding, Deleting and Editing the Departments Info**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (13) | | |
| **Use Case Name:** | Adding, Deleting and Editing the Departments Info | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 16/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin | | |
| **Description:** | Through This Feature the Admin Can Add New Department in the College or Delete Another One or Editing Another Info Like Its Name and the Name of Its Chairman Who is in Charge of IT | | |
| **Trigger:** | Editing the Profile Info of the Lecturer | | |
| **Normal Flow:** | The Admin Will:   1. Make a Login to the System 2. Access the Departments Info 3. Add a Department Info 4. Delete a Department Info 5. Edit a Department Info | | |

**Fourteenth Featue: Adding, Deleting and Editing the Lecturer Info**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (14) | | |
| **Use Case Name:** | Adding, Deleting and Editing the Lecturer Info | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 16/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin | | |
| **Description:** | Through This Feature the Admin Can Add New Lecturer or Delete a Previous One or Edit Another One Info Like His/her First Name, Last Name, Department and ID | | |
| **Trigger:** | Adding, Deleting and Editing the Lecturers Info | | |
| **Normal Flow:** | The Admin Will:   1. Make a Login to the System 2. Access the Lecturers Info 3. Add a Lecturer Info 4. Delete a Lecturer Info 5. Edit a Lecturer Info | | |

**Fifteenth Featue: Adding, Deleting and Editing the Courses Info**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (15) | | |
| **Use Case Name:** | Adding, Deleting and Editing the Courses | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 16/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin | | |
| **Description:** | Through This Feature the Admin Can Add New Course or Delete a Previous One or Edit Another One Info Like Its Name, Code and The Grade Code Who Learn This Course | | |
| **Trigger:** | Adding, Deleting and Editing the Courses Info | | |
| **Normal Flow:** | The Admin Will:   1. Make a Login to the System 2. Access the Courses Info 3. Add a Course Info 4. Delete a Course Info 5. Edit a Course Info | | |

**Sixteenth Featue: Adding, Deleting and Editing the Content Info of Static Pages**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (16) | | |
| **Use Case Name:** | Adding, Deleting and Editing the Content Info of Static Pages | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 16/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin | | |
| **Description:** | Through This Feature the Admin Can Add New Content or Delete a Previous One or Edit Another One Info of Static Pages | | |
| **Trigger:** | Adding, Deleting and Editing the Content Info | | |
| **Normal Flow:** | The Admin Will:   1. Make a Login to the System 2. Access the Content Info 3. Add a Content Info 4. Delete a Content Info 5. Edit a Content Info | | |

**Seventeenth Featue: Viewing The Full Dashboard Info of the System**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (17) | | |
| **Use Case Name:** | Viewing the Full Dashboard Info of the System | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 16/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin | | |
| **Description:** | Through This Feature the Admin Can View the full Dashboard Info Like the Total Number of Students, The Total Number of The Registered Students, The Total Number of Unregistered Students and The Total Number of Lecturers | | |
| **Trigger:** | Viewing the Full Dashboard Info | | |
| **Normal Flow:** | The Admin Will:   1. Make a Login to the System 2. Access the Dashboard Info | | |

**Eighteenth Featue: Adding, Deleting and Editing the Events Info**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (18) | | |
| **Use Case Name:** | Adding and Deleting Events Info | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 16/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin | | |
| **Description:** | Through This Feature the Admin Can Add New Event by Making a Title and Specifying a Starting and Ending Dates for it or Delete a Previous One | | |
| **Trigger:** | Adding and Deleting Events Info | | |
| **Normal Flow:** | The Admin Will:   1. Make a Login to the System 2. Access the Calendar of events Info 3. Add an event Info 4. Delete an Event Info | | |

**Ninteenth Featue: Editing the Profile Info of the Admin**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (19) | | |
| **Use Case Name:** | Editing the Profile Info of the Admin | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 16/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin | | |
| **Description:** | Through This Feature the Admin Can Edit His Profile Info Like His First Name, Last Name, Username and Password | | |
| **Trigger:** | Editing the Profile Info of the Admin | | |
| **Normal Flow:** | The Admin Will:   1. Make a Login to the System 2. Access the Profile Info 3. Edit His/her Profile Info | | |

**Twentyth Featue: Searching for Courses Info, Departments Info, Students Info, Lecturers Info, Log-in Trails Info and Activity Log Info**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | (20) | | |
| **Use Case Name:** | Searching for Courses Info, Departments Info, Students Info, Lecturers Info, Log-in Trails Info and Activity Log Info | | |
| **Created By:** | Mostafa Ramzy | **Last Updated By:** | Mostafa Ramzy |
| **Date Created:** | 16/12/2016 | **Last Revision Date:** | 21/12/2016 |
| **Actors:** | Admin | | |
| **Description:** | Through This Feature the Admin Can Search about a Particular Course, a Particular Department, a Particular Student, a Particular Lecturer by their Names, a Particular Log-in Trails and Activity Log Info by the Admin Usernames | | |
| **Trigger:** | Searching | | |
| **Normal Flow:** | The Admin Will:   1. Make a Login to the System 2. Access the Students Info for Searching about a Particular Student by It’s Name 3. Access the Courses Info for Searching about a Particular Course by It’s Name 4. Access the Departments Info for Searching about a Particular Department by It’s Name 5. Access the Lecturers Info for Searching about a Particular Lecturer by It’s Name 6. Access the Log-in Trails Info for Searching about a Particular Log-in Trail of an Admin by His/her Username 7. Access the Log-in Trails Info for Searching about a Particular Activity Log of an Admin by His/her Username | | |

* **The Usecases Diagrams**
* **The Lecturer**

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* **The Student**

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* **The Admin**

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**Chapter 4**

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