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| **Use Case Description** | | |
| **System: Online Examination System** | | **Student Group ID:** |
| **Use Case name: Delete Exam** | | **UC ID: 06** |
| **Primary actor:** *Faculty Member* | | **Priority (H,M,L): M** |
| **Stakeholders:***Admin* | |  |
| **Goal:**  **To make the faculty or admin to be able to delete any exam on the system.** | | |
| **Relationships**   * **Includes:** * **Extends:** | | |
| **Input: Exam ID** | | |
| **Pre-conditions:**   * *Exam ID avaliable* | | |
| **Steps:** | | |
| **Actor** | **System** | |
| **1. actor inputs the ID of the exam that need to be deleted. \*ALT1**  **3. actor press confirm button. \*ALT2** | **2. System checks database and if exam found , and check that exam created by this actor ,display exam info , and confirmation message. \*EXP1**  **4. system run the appropriate processes to delete the exam, display finish message.**  **\*Exp2**  **5. Exit Delete Exam form.** | |
| **Exceptional flows:**  **Exp1: exam not found , go to step 1.**  **Exp2: an error accrued while attempting to delete exam , display error message then go to step 1.**  **Alterative Flows:**  **Alt1: actor can abort the operation, go to step 5.**  **Alt2: actor can press cancel button, go to step 1.** | | |
| **Post-conditions:** *delete the selected exam from DB.* | | |
| **Output: successful or failed message.** | | |

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| **Use Case Description** | | |
| **System: Online Examination System** | | **Student Group ID:** |
| **Use Case name: Update Exam** | | **UC ID: 07** |
| **Primary actor:** *Faculty Member* | | **Priority (H,M,L):** |
| **Stakeholders:***Admin* | |  |
| **Goal:** | | |
| **Relationships**   * **Includes:** * **Extends:** | | |
| **Input: Exam ID, Exam Info (name,time,date,..etc)** | | |
| **Pre-conditions:**   * *Exam ID is available* * *New info available* | | |
| **Steps:** | | |
| **Actor** | **System** | |
| **1. actor enter exam ID. \*Alt1**  **3. actor enter the new info of the exam.**  **5. actor press Confirm button. Alt2** | **2. system check if exam exist, and created by this actor. If found display exam info, then ask actor to enter new info. \*Exp1**  **4. system display confirmation message.**  **6. system run the necessary processes to update exam info. If succeeded display ‘Done’ message. \*Exp2**  **7. Exit Update Exam Form.** | |
| **Exceptional flows:**  **Exp1: if exam is Not found, display “exam not found” ,then go to step 1.**  **Exp2: if an error accrued while updating the exam, display error message , then go to step 1.**  **Alternative Flows:**  **Alt1: actor can abort the operation , go to step 7.**  **Alt2: actor can press cancel button, go to step 1.** | | |
| **Post-conditions:** *update Exam Info in the DB.* | | |
| **Output: return ‘Successful” or ‘Failed’ message.** | | |

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| **Use Case Description** | | |
| **System: Online Examination System** | | **Student Group ID:** |
| **Use Case name: Add Questions** | | **UC ID: 08** |
| **Primary actor:** *Faculty Member* | | **Priority (H,M,L): M** |
| **Stakeholders:** | |  |
| **Goal:**  **Add qurstion(s) to a specific exam** | | |
| **Relationships**   * **Includes:** * **Extends:** | | |
| **Input: Exam ID , Question and answer** | | |
| **Pre-conditions:**   * **Logged in as a Faculty Member.** * **Exam is available.** * **Question(s) Prepared.** | | |
| **Steps:** | | |
| **Actor** | **System** | |
| **1. actor enters Exam ID \*Alt1**  **3. actor enters the question and the multiple choices specifying the correct one. \*Alt1** | **2. system checks the Exam ID and created by this actor. If available display “available”, then ask actor for question and multiple choice answer. \*Exp1**  **4. system run the appropriate processes to add the question. If succeeded , display “Succeeded”. Go to step 3. \*Exp2**  **5. exit the use case.** | |
| **Exceptional flows:**  **Exp1: if exam not found , display “Exam not found”, then go to step 1.**  **Exp2: if an error accured , display the error, then go to step 3.**  **Alternative Flows:**  **Alt1: actor can cancel the operation. Go to step 5.** | | |
| **Post-conditions:** *Add question(s) to the specified exam.* | | |
| **Output: “succeeded” or “failed” message.** | | |

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| **Use Case Description** | | |
| **System: Online Examination System** | | **Student Group ID:** |
| **Use Case name: Update Question** | | **UC ID: 09** |
| **Primary actor:** *Faculty Member* | | **Priority (H,M,L): M** |
| **Stakeholders:** | |  |
| **Goal: to update the question(s) of a specific exam.** | | |
| **Relationships**   * **Includes:** * **Extends:** | | |
| **Input: Exam Id, Updated question(s)** | | |
| **Pre-conditions:**   * **Logged in as a Faculty Member.** * **Exam available.** * **Question(s) ready.** | | |
| **Steps:** | | |
| **Actor** | **System** | |
| **1. actor enters Exam ID. \*Alt1**  **4. actor select the question need to be updated. \*Alt1**  **6. actor enter the updated question and choices. \*Alt1** | **2. system checks the Exam ID and created by this actor, if found go to next step. \*Exp1**  **3. display the questions of the exam, and ask actor to select the question need to be updated.**  **5. system ask actor to enter the updated question and choices.**  **7. system run the appropriate processes to update the question. If succeeded system displays “Succeeded”, then go to step 3. \*Exp2**  **8. exit the use case.** | |
| **Exceptional flows:**  **Exp1: if exam is not found, display “exam not found”, then go to step 1.**  **Exp2: if an error accrued, display the error, then go to step 6.**  **Alternative Flows:**  **Alt1: actor can cancel the operation, go to step 8.** | | |
| **Post-conditions:** *update the question(s) of the specified exam.* | | |
| **Output: “succeeded” or “failed” message.** | | |

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| **Use Case Description** | | |
| **System: Online Examination System** | | **Student Group ID:** |
| **Use Case name: Delete Question** | | **UC ID: 10** |
| **Primary actor:** *Faculty Member* | | **Priority (H,M,L): M** |
| **Stakeholders:** | |  |
| **Goal: to delete the question(s) of a specific exam.** | | |
| **Relationships**   * **Includes:** * **Extends:** | | |
| **Input: Exam Id.** | | |
| **Pre-conditions:**   * **Logged in as a Faculty Member.** * **Exam available.** * **Question(s) Known.** | | |
| **Steps:** | | |
| **Actor** | **System** | |
| **1. actor enters Exam ID. \*Alt1**  **4. actor select the question need to be deleted. \*Alt1** | **2. system checks the Exam ID and created by this actor, if found go to next step. \*Exp1**  **3. display the questions of the exam, and ask actor to select the question need to be deleted.**  **5. system run the appropriate processes to update the question. If succeeded system displays “Succeeded”, then go to step 3. \*Exp2**  **6. exit the use case.** | |
| **Exceptional flows:**  **Exp1: if exam is not found, display “exam not found”, then go to step 1.**  **Exp2: if an error accrued, display the error, then go to step 6.**  **Alternative Flows:**  **Alt1: actor can cancel the operation, go to step 6.** | | |
| **Post-conditions:** *delete the question(s) of the specified exam.* | | |
| **Output: “succeeded” or “failed” message.** | | |

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| **Use Case Description** | | |
| **System: Online Examination System** | | **Student Group ID:** |
| **Use Case name: View Students Scores** | | **UC ID: 11** |
| **Primary actor:** *Faculty Member* | | **Priority (H,M,L):** |
| **Stakeholders:** | |  |
| **Goal: to view the scores of the students of an exam.** | | |
| **Relationships**   * **Includes:** * **Extends:** | | |
| **Input: Exam ID.** | | |
| **Pre-conditions:**   * **Logged in as a Faculty Member.** * **Exam is available** * **Exam has been conducted (students took the exam).** | | |
| **Steps:** | | |
| **Actor** | **System** | |
| **1. actor enters the Exam ID. \*Alt1** | **2. system checks the Exam ID and exam created by this actor, if found and exam been already conducted go to next step. \*Exp1**  **3. display list of the students took the exam and there scores.**  **4. exit the use case.** | |
| **Exceptional flows:**  **Exp1: if exam not found or has not been conducted yet , display “Exam not found” or “exam not conducted”, then go to step 1.**  **Alternative Flows:**  **Alt1: actor can cancel the operation, go to step 4.** | | |
| **Post-conditions:** | | |
| **Output:** | | |