Use case scenario

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| Use Case | Actors | Preconditions | Basic flow | Alternative flow | Postcondition |
| Register | Guest | -Open site. | 1- Choose register option. 2-Fill all required data  3-Press register | 1-If user didn’t enter one of the register requirements.  2-If user entered requirement with wrong format  3-If passwords didn’t match. | 1-Account is made. 2-Open profile. |
| Login | Admin Instructor Student | -Has account | 1-Open website. 2-Enter user name and password. 3-Click login. | 1-If user left username or password empty. 2-If user entered Wrong username or password.  3-If user entered wrong formats for username or password. | Login successful, open his account |
| Search | Admin Student  Guest | none | 1-write what he wants to search for  2-Click search | 1-If user didn’t write anything.  2-If what he searches for is not on the system. | Fetch what he searches for |
| View course | Person | open site | 1-open course | None | course opened |
| Be instructor | Guest | None | 1-Click “be instructor” option.  2-Fill required data.  3-Submit. | 1-If user filled wrong data. | Send request to admin.  Notify admin. |
| Upload file | Admin  Student  Instructor | logged in. | 1-user uploads file.  2-User submits uploaded file. | 1-not complete file. | 1-file uploaded to database. |
| View notification | Admin  Instructors  Students | Logged in  New notifications | 1-click view notifications |  | Open notifications |
| Edit profile | Admin Instructor Student | 1-logged in | 1-Click on edit profile  2-Choose what he wants to edit  3-Edited  4-Save | 1-If user moves between  pages before saving. | Profile edited |
| reply | Student  Admin  Instructor | Logged in | 1-open question page  2-choose any question to answer  3-write an answer  4-click answer | 1-he did not write anything | 1-answer has been added to question page |
| Logout | Admin Instructor Student | Has an account and already logged in. | 1-Press logout.  (if keep me logged in is not chosen, user will logout on closing browser) | None. | Logout successful and return to home page. |
| View instructor request | admin | 1-Logged in  2-Receive notifications | 1- open request notifications. | None | See report and add / reject instructor. |
| Add instructor | Admin | 1-Admin is logged in | 1-view requests  2-admin accept instructor’s request  3-admin add instructor | 1-none | Instructor has been added. |
| Delete instructor | admin | 1-Admin is logged in  2-instructor is on the system | 1-search for instructor  2-delete instructor  3-send mail to instructor | 1-write wrong name.  2-Instructor doesn’t exist. | Instructor has been deleted from System and database. |
| accept / reject instructor | admin | 1-Logged in  2-View instructor request | 1-view request  2-click accept or reject | None | Instructor is accepted or rejected  Send mail to guest |
| Add new course | admin | 1-Logged in  2-Course doesn’t exist before | 1-choose “add courses”  2-write course name  3-add instructor  4-click add course | 1-If user didn’t fill all requirements.  2-If user filled a requirement with wrong format. | Course added  Send mail to instructor  Notify all students that new course has been added |
| See reports | Admin | 1-Logged in  2-View notification | 1-open admin’s profile  2-click view report to show report | None. | Report seen |
| Delete questions or answer | Admin | Logged in | 1-open ask & answers  2-choose question or answer  3-delete question or answer | None | 1-Question or answer has been deleted  2-Send notifications to student or instructor |
| Add links | instructor | Logged in | 1-open course  2-add link  3-click submit  4-check if link is added before | 1-didn’t write link  2- link is added before. | Link has been added |
| Add Questions & answers(Quizes/Competitions) | instructor | Logged in | 1-open course  2-add question & answers  3-click submit  4-check if questions is added before | 1--didn’t write question & answers  2-questions is added before | Question has been added |
| Delete Questions & answers(Quizes/Competitions) | instructor | Logged in | 1-open course  2-choose question  3-delete question & answers  4-click submit | none | Question has been deleted |
| Edit Questions & answers(Quizes/Competitions) | instructor | Logged in | 1-open course  2-edit question & answers  3-click submit | none | Question has been edited |
| Edit quiz time | instructor | Logged in | 1-open course  2-edit question & answers  3-click submit |  |  |
| See feedback | instructor | logged in | 1-view notification  2-see feedback | none | feedback has been seen |
| Compete | Student | Logged in  Active | 1-sumbit for competition | 1-num full | open |
| take Quiz | student | logged in | 1-log in  2- choose course  3-click on take quiz to begin the quiz | 1-logged out while quizzing | 1-Quiz page has been opened  2-Student start the quiz  3-questions extracted from database to the student to answer it |
| send feedback | student | logged in  took a quiz or competed | 1-chose course  2-finish the quiz  3-send feedback  Or  1-finish weekly or daily  competition  2-send feedback  Or  1-log in  2-send feedback about the system | 1-logged out while sending | if the feedback about the quiz or the competition  1-feedback has been sent to the instructor and the admin  report  2-notify the admin and the instructor that they have new feedback  If the feedback about the system  1-feedback has been sent to the admin  2-notify the admin that he has new feedback |
| Rate | Student | -Answer question | 1-choose rate from 1to 10.  2-submit rate. | 1-student submitted without choosing rate. | 1-Rate has been saved to DB and student proceeds to next question. |
| Ask | student | Logged in | 1-open question page  2-write a question  3-click ask | 1-he did not write anything | 1-Question has been added to the question page  2-notify all that there is a new question to check |
| view Questions | Admin  Instructors  Students | Logged in | 1-click view questions |  | Open questions page |
| Download certificate | student | Logged in  payed for the certification  certificate converted to pdf | 1-open certificate page  2-click download certificate |  | Certificate downloaded |
| Delete account | Student | 1-logged in | 1-go to profile  And click delete account option. | 1-If user entered his password wrong. | Deleting account successful and return to home page. |