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| --- | --- |
| Name: | Login |
| Short description: | A user/admin logs into the software |
| Precondition: | The user/admin is registered into the software |
| Post condition: | The user/admin is logged into the software |
| Error situations: | The user/admin is not having an account |
| System state in the event of an error: | The user/admin is not logged into the software |
| Actors: | Admin, User |
| Trigger: | Login button is clicked |
| Standard process: | (1)User/Admin enters credentials  (2)System checks to see if credentials are valid  (3)If valid user/admin is logged into the system |
| Alternative processes: | (3’)If not valid user/admin is prompted to make an account |

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| --- | --- |
| Name: | Display |
| Short description: | Displays information |
| Precondition: | Some information needs to be displayed on the screen |
| Post condition: | Information is displayed |
| Error situations: | Information is not loaded properly |
| System state in the event of an error: | No information is displayed |
| Actors: | Admin, User |
| Trigger: | User/Admin wants to see some information |
| Standard process: | (1)User/Admin clicks some button to display information  (2)Information gets displayed on the screen |
| Alternative processes: | (2’)Information doesn’t load properly and hence no information is displayed |

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| --- | --- |
| Name: | Change Password |
| Short description: | Instructor wants to change his/her password |
| Precondition: | Instructor must know current password and should be logged in |
| Post condition: | Password is changed successfully |
| Error situations: | Current password is wrong |
| System state in the event of an error: | Password remains the same |
| Actors: | Instructor |
| Trigger: | Instructor clicks on change password button |
| Standard process: | (1)Instructor gives current password and new password  (2)Current password is checked  (3)If correct then the password is changed |
| Alternative processes: | (3’)If wrong then the password remains the same |

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| --- | --- |
| Name: | User Specific Timetable |
| Short description: | User can see timetable only for his/her courses |
| Precondition: | User must be logged in |
| Post condition: | Timetable specific to the user gets displayed on the screen |
| Error situations: | User is not logged in |
| System state in the event of an error: | Timetable doesn’t get displayed |
| Actors: | User |
| Trigger: | User clicks button to see his timetable |
| Standard process: | (1)User clicks button  (2)Timetable is displayed on the screen |
| Alternative processes: | (2’)User is not logged in  (3’)Timetable is not displayed |

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| --- | --- |
| Name: | User Specific Information |
| Short description: | User can see his courses, batch information, etc. |
| Precondition: | User must be logged in |
| Post condition: | Information is displayed on the screen |
| Error situations: | User is not logged in |
| System state in the event of an error: | No information is displayed |
| Actors: | User |
| Trigger: | User clicks button to see information |
| Standard process: | (1)User clicks button  (2)Information is displayed |
| Alternative processes: | (2’)User is not logged in  (3’)Information is not displayed |

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| --- | --- |
| Name: | View complete timetable |
| Short description: | Admin can see the complete timetable |
| Precondition: | Admin must be logged in |
| Post condition: | Complete timetable gets displayed on the screen |
| Error situations: | Admin is not logged in |
| System state in the event of an error: | Timetable doesn’t get displayed |
| Actors: | Admin |
| Trigger: | Admin clicks button to see complete timetable |
| Standard process: | (1)Admin clicks button  (2)Timetable is displayed on the screen |
| Alternative processes: | (2’)Admin is not logged in  (3’)Timetable is not displayed |

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| --- | --- |
| Name: | Add/Edit/Delete Information |
| Short description: | Admin can add/edit/delete course, batch, instructor, room information |
| Precondition: | Admin should be logged in |
| Post condition: | Admin changes the information |
| Error situations: | Admin is not logged in |
| System state in the event of an error: | Admin is unable to change any information |
| Actors: | Admin |
| Trigger: | Admin clicks a button depending upon what type of information he wants to change |
| Standard process: | (1)If Admin is logged in  (2)Admin changes the information he wants to change  (3)Updated information is sent to the database |
| Alternative processes: | (1’)If Admin is not logged in  (2’)Admin is unable to change any information |

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| --- | --- |
| Name: | Generate Timetable |
| Short description: | Admin generates the complete timetable |
| Precondition: | The software should be given complete database of courses and instructors |
| Post condition: | Timetable get generated and is displayed on the screen |
| Error situations: | Runtime error |
| System state in the event of an error: | Software closes abruptly |
| Actors: | Admin |
| Trigger: | Admin clicks a button to generate timetable |
| Standard process: | (1)Admin clicks button to generate timetable after giving all information  (2)Timetable gets generated and is displayed on the screen |
| Alternative processes: | (2’)Runtime error occurs  (3’)Software closes abruptly |

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| --- | --- |
| Name: | View Information |
| Short description: | Admin is able to all information related to courses, instructors, etc. |
| Precondition: | Admin should be logged in |
| Post condition: | Information is displayed on the screen |
| Error situations: | Admin is not logged in |
| System state in the event of an error: | Admin is prompted to log in the software |
| Actors: | Admin |
| Trigger: | Admin clicks button to see information |
| Standard process: | (1)Admin clicks button  (2)Information gets displayed on the screen |
| Alternative processes: | (2’)Admin is not logged in  (3’)No information gets displayed and the admin is prompted to log in |