**Use Case Description**

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| **Name:** Create Account | **ID:** 1 |
| **Stakeholders and Goals:** New user – to be registered to the system | |
| **Description:** A new user wants to register to use the system to take part in the conference. | |
| **Actors:** New user | |
| **Trigger:** User gets to the main page of the system and chooses the option to register. | |
| **Normal Flow:**   1. New user reaches the front page of the system and chooses to register. 2. The system displays the registration form 3. The new user would fill in the registration form with correct and up-to-date information about them. 4. If the user name entered is unique, the system displays that the account has been successfully created and can now login into the system. 5. Steps 1 to 4 are repeated for each new account. 6. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:**  4a. If the username entered is not unique, the system prompts the user for a new user name. | |

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| **Name:** Login | **ID:** 2 |
| **Stakeholders and Goals:** Existing user – wants to login into the system | |
| **Description:** An existing user wants to login into the system. | |
| **Actors:** Author | |
| **Trigger:** User gets to the front page and chooses the option to login. | |
| **Normal Flow:**   1. The existing user enters his/her username and password in the login page. 2. The system then displays the main page of the system upon correct input, where it lists down the things that the user can do. 3. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:**  2a. If the username and password does not exist or match, the system prompts the user for his/her username or password again. | |

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| **Name:** Modify personal details | **ID:** 3 |
| **Stakeholders and Goals:** Existing user – wants to modify their personal details | |
| **Description:** An existing user wants to modify their personal details. | |
| **Actors:** Author | |
| **Trigger:** After logging in, user attempts to modify their personal details. | |
| **Normal Flow:**   1. The user chooses “Modify personal details” at the main page and is brought to the page where it displays the details of the user. 2. The user then chooses which of his/her personal details to modify. 3. The system prompts for input from the user about the attribute to modify. 4. The user submits after entering the new details. 5. The system displays to the user that his/her detail has been updated. 6. Steps 1 to 5 are repeated if the user wishes to modify more about his/her personal details. 7. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Modify password | **ID:** 4 |
| **Stakeholders and Goals:** Existing user – wants to modify their account password | |
| **Description:** An existing user wants to modify their account password | |
| **Actors:** Author | |
| **Trigger:** After logging in, user attempts to modify their account password. | |
| **Normal Flow:**   1. The user chooses “Modify account password” at the main page and is brought to the page where it will allow the user to change their password. 2. The system prompts for old password input to confirm user identity. 3. The system prompts the user for the new password 4. The user submits the new password. 5. User accepts and the system displays that the password has been successfully modified. 6. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Submit papers | **ID:** 5 |
| **Stakeholders and Goals:** Existing user – wants to submit a new paper | |
| **Description:** An existing user wants to submit a paper into the system. | |
| **Actors:** Author | |
| **Trigger:** After logging in, user gets to the new paper submission page and attempts to submit a paper. | |
| **Normal Flow:**   1. The user chooses “Submit a new paper” at the main page and is brought to the paper submission page. 2. The user then enters information about the author who contributed to the paper 3. If there are multiple authors who contributed to the paper, the user chooses the option to add more authors. New authors are added one at a time. 4. The system then displays to the user that he/she has successfully added a new author. 5. The system prompt for details about the paper 6. The user enters details of the paper 7. The user then submits the paper when he/she has completed filling up the form. 8. The system displays to the user he/she has successfully submitted the paper and brings the user back to the main page. 9. Steps 2 to 4 are repeated if there are more than 2 authors who contributed to the paper. 10. Steps 1 to 8 are repeated if there are multiple papers that the user wishes to submit. 11. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows: None** | |

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| **Name:** Modify paper submission | **ID:** 6 |
| **Stakeholders and Goals:** Existing user – wants to modify a paper submission | |
| **Description:** An author wishes to modify their paper submissions. | |
| **Actors:** Author | |
| **Trigger:** After logging in, author gets to the modify paper submission page and attempts to modify their paper submission. | |
| **Normal Flow:**   1. The user chooses “Modify paper submission” at the main page and is brought to the modify paper submission page. 2. The system displays to the user the papers that he has contributed to and provides the user with choices on what to modify. Choices include modify details about the authors, modify details about the paper or resubmit a paper. 3. The user makes a selection. 4. The system prompts for the new details or prompts for the new file submission. 5. The user submits the new changes. 6. The system displays to the user that the changes has been made to the paper submission. 7. Steps 1 to 6 is repeated if there are more changes to the paper submission. 8. End. | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows: None** | |

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| **Name:** Specify preference | **ID:** 7 |
| **Stakeholders and Goals:** Program Committee – wants to specify his/her preference on submitted papers. | |
| **Description:** A program committee wants to specify his/her preference on submitted papers so that he can be assigned papers of his interest | |
| **Actors:** Program Committee | |
| **Trigger:** After logging in, program committee gets to the page where he/she is able to specify his/her preference | |
| **Normal Flow:**   1. The Program Committee (PC) chooses the “Specify preference” page and is brought to the page. 2. The system displays the title of the paper, the abstract and the keywords to the PC. The system also displays the preferences available to the PC, which is “Yes”, “No”, “Maybe” or “Conflict of interest” and prompts the user for his/her preference. 3. The PC submits his preference on the paper. 4. The system then repeats step 2 and 3 until all papers submitted has been assigned a preference. 5. Steps 1 to 4 are repeated for other users who wish to specify preferences on the papers. 6. User who has submitted their preference on all papers is capable of submitting his/her preferences on all the papers again, before it is disabled. Steps 1 to 4 will be repeated for this step. 7. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Review paper | **ID:** 8 |
| **Stakeholders and Goals:** Program Committee – wants to review papers | |
| **Description:** A program committee wants to review a paper that has been assigned to him/her. | |
| **Actors:** Program Committee | |
| **Trigger:** After logging in, program committee gets to the page where he/she can start reviewing papers. | |
| **Normal Flow:**   1. The Program Committee (PC) chooses the “Review papers” page. 2. The system lists a paper that the PC has been assigned and prompts for the PC’s choice on whether he/she wants to review the paper. 3. The PC enters his choice 4. The system then displays the review criteria. 5. The PC specifies his/her review and submits. 6. The system displays that the criteria is completed 7. Steps 4 to 6 are repeated until all review criteria (based on the evaluation form given) is completed. 8. Steps 2 to 7 are repeated if the PC has been assigned more papers to review. 9. The user is brought back to the main menu upon completion 10. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Modify review | **ID:** 9 |
| **Stakeholders and Goals:** Program Committee – wants to modify a submitted review | |
| **Description:** A program committee wants to modify a paper review that has been submitted | |
| **Actors:** Program Committee | |
| **Trigger:** After logging in, program committee gets to the page where he/she can modify submitted reviews. | |
| **Normal Flow:**   1. The Program Committee (PC) chooses the “Modify reviews” page. 2. The system lists a paper that the PC has been assigned and prompts for the PC’s choice on whether he/she wishes to modify the review. (PC not allowed to modify a review he has not done) 3. The PC makes a choice 4. The system then displays the review that has already been submitted. The system then lets the PC to choose which criteria that he/she wishes to modify. The PC enters the choice. 5. The system prompts for the new review. 6. The PC submits upon completion. 7. The system displays that the PC has successfully updated the review 8. Steps 2 to 7 are repeated if there are more papers that the user has reviewed 9. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:**  5a. If the PC keys in the wrong choice, the system will prompt again for user input. | |

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| **Name:** Discuss review | **ID:** 10 |
| **Stakeholders and Goals:** Program Committee – wants to discuss paper reviews | |
| **Description:** A program committee wants to discuss with other program committee about the reviews given on the assigned paper | |
| **Actors:** Program Committee | |
| **Trigger:** After logging in, program committee gets to the page where he/she can start discussing the reviews on the paper. | |
| **Normal Flow:**   1. The Program Committee (PC) chooses the “Discuss reviews” page. 2. The system lists a paper that the PC has been assigned and prompts for the PC’s choice on whether he wishes to participate in the conference. 3. The PC enters his choice. 4. The system then displays the reviews submitted by different PCs and prompts for comment. 5. The PC submits his/her comment. 6. The system displays that the comment has been successfully posted. 7. Steps 2 to 6 is repeated if the PC has been assigned more paper to review. 8. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:**  3a. If the PC keys in the choice wrong, the system will prompt again for user input. | |

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| **Name:** Assign PC (Program Committee) | **ID:** 11 |
| **Stakeholders and Goals:** Program Committee Chair – wants to assign new PCs | |
| **Description:** A program committee chair wants to look through a list of users and assign new PCs | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can start assigning the role of “Program Committee” to normal users. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Assign Program Committee” page. 2. The system lists a user in the system that is currently holding the role of author and their details. The system also prompts the PC chair for his/her choice on whether this user should be assigned the role “Program Committee”. 3. The PC chair submits his/her choice. 4. The system then displays that the user’s role has been successfully changed. 5. Steps 2 to 4 are repeated if there are more users in the database who can be assigned the role of “Program Committee”. 6. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Monitor PC (Program Committee) | **ID:** 12 |
| **Stakeholders and Goals:** Program Committee Chair – wants to monitor PCs | |
| **Description:** A program committee chair wants to monitor the activities of the PCs. | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can monitor the PCs. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Monitor Program Committee” page. 2. The system lists the different kind of options that the PC Chair can choose to obtain more information of (e.g Information about the contributed authors, Paper information, Reviewers, Completed Reviews, Discussions) 3. The PC chair make his choice 4. The system displays what the user has chosen. 5. Steps 2 to 4 is repeated until the PC Chairs decides to quit. 6. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Run paper assignment process | **ID:** 13 |
| **Stakeholders and Goals:** Program Committee Chair – run paper assignment process | |
| **Description:** A program committee chair wants to run the process that automatically assigns paper to reviewers. | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can enable or disable functionalities in the system. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Functionalities management” page. 2. The system lists all the functionalities that can be controlled by the PC chairs and prompts the PC chair on which he/she wishes to enable/disable. 3. The PC chair submits his/her choice, “Automatically assign papers to reviewers”. 4. The system prompts for reconfirmation. 5. The PC chair submits confirmation 6. The system displays that the paper assignment to reviewers is successful. 7. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Manual assignment of papers | **ID:** 14 |
| **Stakeholders and Goals:** Program Committee Chair – manually assign paper to reviewers | |
| **Description:** A program committee chair wants to manually assign papers to reviewers. | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can manually assign papers to reviewers. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Manually assign paper” page. 2. The system lists all a paper submitted to the system that can still be assigned more reviewers and prompts if the user wants to assign reviewer to the paper 3. The PC chairs makes his choice 4. The system then lists a PC in the system who can still be assigned more papers and prompts for choice. 5. The PC chairs makes his choice. 6. The system displays that the paper has been successfully assigned to the selected PC. 7. If the paper can be assigned more reviewers, the system will then again prompt the user if he wishes to add more reviewers to the paper. 8. The PC chair makes his choice 9. The steps 6 to 7 are repeated if there are more reviewers that can be assigned to the paper. 10. Steps 2 to 8 will be repeated if there are more papers that can be assigned more reviewers 11. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Check latest events | **ID:** 15 |
| **Stakeholders and Goals:** Program Committee Chair – check latest events | |
| **Description:** A program committee chair wants to check the latest happenings in the system. | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can see the latest events in the system. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Check latest events” page. 2. The system lists the latest events in the system (More details in the SRS). 3. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Set number of papers per reviewers | **ID:** 16 |
| **Stakeholders and Goals:** Program Committee Chair – set number of papers per reviewers | |
| **Description:** A program committee chair wants to set the number of paper each reviewer can receive. | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can set the number of papers per reviewers. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Functionalities management” page. 2. The system lists all the functionalities that can be controlled by the PC chairs and prompts the PC chair on which he/she wishes to enable/disable. 3. The PC chair chooses “Set number of papers each reviewers receive”. 4. The system prompts for a number from the PC chair. 5. The PC chair sets the number of reviewers per paper. 6. The system reconfirms with the PC chair 7. The PC confirms the number 8. The system displays that he/she has successfully changed the number of papers per reviewer. 9. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Accept/Reject paper | **ID:** 17 |
| **Stakeholders and Goals:** Program Committee Chair – accept or reject submitted papers | |
| **Description:** A program committee chair wants to accept or reject a paper. | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can start accepting or reject papers. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Accept/Reject papers” page. 2. The system lists one of the submitted papers in the system. The system lists the details about the paper which includes the author details, paper details and the reviews. The system prompts if the PC chair wishes to approve the paper 3. The PC chair submits his/her choice. 4. The system displays that the PC chair’s decision about the paper has been successfully stored in the system. 5. Steps 2 to 4 are repeated until all papers have been approved or rejected. 6. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Generate conference proceeding | **ID:** 18 |
| **Stakeholders and Goals:** Program Committee Chair – generate conference proceeding | |
| **Description:** A program committee chair wants to automate the process of generating the conference proceeding. | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can enable or disable functionalities in the system. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Functionalities management” page. 2. The system lists all the functionalities that can be controlled by the PC chairs and prompts the PC chair on which he/she wishes to enable/disable. 3. The PC chair chooses “Generate conference proceeding” and submits his/her choice. 4. The system reconfirms the PC chair’s decision to generate the conference proceeding 5. The PC chair confirms his decision 6. The system displays that the papers which are approved and shows that the conference proceeding has been successfully generated. 7. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Set number of reviewers per paper | **ID:** 19 |
| **Stakeholders and Goals:** Program Committee Chair – set number of reviewers per paper | |
| **Description:** A program committee chair wants to set the number of number of reviewers each paper can receive. | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can enable or disable functionalities in the system. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Functionalities management” page. 2. The system lists all the functionalities that can be controlled by the PC chairs and prompts the PC chair on which he/she wishes to enable/disable. 3. The PC chair chooses “Set number of reviewers per paper” and submits his/her choice. 4. The system prompts for the new number of reviewers per paper 5. The PC Chair enters the new number 6. The system reconfirms the PC chair’s decision to change the number of reviewers per paper 7. The PC chair confirms his decision 8. The system displays that the number of reviewers per paper has been successfully changed. 9. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Run specifying preference process | **ID:** 20 |
| **Stakeholders and Goals:** Program Committee Chair – automatically specify PC preference | |
| **Description:** A program committee chair wants to run the automation process of specifying preference for the PC who has not given his/her preference on a paper. | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can enable or disable functionalities in the system. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Functionalities management” page. 2. The system lists all the functionalities that can be controlled by the PC chairs and prompts the PC chair on which he/she wishes to enable/disable. 3. The PC chair chooses “Automatically specify preference for users (users who have not specified their preference)”. 4. The system prompts for confirmation from the PC chair to specify preference for PCs who have not specified a preference. 5. The PC chair submits his/her confirmation. 6. The system displays that the process is successful. 7. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:**  6a. If there are no papers submitted, the system displays that there are no papers submitted and goes back to the main page | |

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| **Name:** Enable/Disable review submissions | **ID:** 21 |
| **Stakeholders and Goals:** Program Committee Chair – enable/disable review submissions | |
| **Description:** A program committee chair wants to enable or disable submission of reviews by the PCs. | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can enable or disable functionalities in the system. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Functionalities management” page. 2. The system lists all the functionalities that can be controlled by the PC chairs and prompts the PC chair on which he/she wishes to enable/disable. 3. The PC chair chooses “Enable/Disable review submissions”. 4. The system displays the status of submitting a review (Enabled or disabled). The system then prompts the PC chair to enable or disable. 5. The PC chair submits his decision. 6. The system prompts for reconfirmation 7. The PC chair submits confirmation 8. The system displays that submitting a review is now either disabled or enabled. 9. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Enable/Disable review discussions | **ID:** 22 |
| **Stakeholders and Goals:** Program Committee Chair – enable/disable review discussions | |
| **Description:** A program committee chair wants to enable or disable discussion among reviewers on a particular paper. | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can enable or disable functionalities in the system. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Functionalities management” page. 2. The system lists all the functionalities that can be controlled by the PC chairs and prompts the PC chair on which he/she wishes to enable/disable. 3. The PC chair chooses “Enable/Disable review discussions”. 4. The system displays the status of review discussion among PCs (Enabled or disabled). The system then prompts the PC chair to enable or disable. 5. The PC chair submits his decision. 6. The system prompts for reconfirmation 7. The PC chair submits confirmation 8. The system displays that discussion of reviews is now either disabled or enabled. 9. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Enable/Disable paper submissions | **ID:** 23 |
| **Stakeholders and Goals:** Program Committee Chair – enable/disable paper submissions | |
| **Description:** A program committee chair wants to enable or disable paper submissions from the authors | |
| **Actors:** Program Committee Chairs | |
| **Trigger:** After logging in, program committee chairs gets to the page where he/she can enable or disable functionalities in the system. | |
| **Normal Flow:**   1. The Program Committee Chairs chooses the “Functionalities management” page. 2. The system lists all the functionalities that can be controlled by the PC chairs and prompts the PC chair on which he/she wishes to enable/disable. 3. The PC chair chooses “Enable/Disable paper submission”. 4. The system displays the status of paper submission among PCs (Enabled or disabled). The system then prompts the PC chair to enable or disable. 5. The PC chair submits his decision. 6. The system prompts for reconfirmation 7. The PC chair submits confirmation 8. The system displays that paper submission is now either disabled or enabled. 9. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Assign PC chairs | **ID:** 24 |
| **Stakeholders and Goals:** Admin – assign PC chairs | |
| **Description:** Admin wants to assign a new user with the role of “Program Committee Chair”. | |
| **Actors:** Admin | |
| **Trigger:** After logging in, administrator goes to the page where he/she can assign user the role of “Program Committee Chair”. | |
| **Normal Flow:**   1. The Admin chooses the “Assign PC chairs” page and brought to the page where he/she can assign new Program Committee Chairs. 2. The system lists a user currently registered to the system. The system prompts the admin whether he/she wishes to assign the user as a program committee 3. The admin enters his/her choice. 4. Steps 2 to 3 is repeated until all users who can be assigned the role of PC chair has been shown to the PC Chair 5. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |

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| **Name:** Create Conference | **ID:** 25 |
| **Stakeholders and Goals:** Admin – create new conference | |
| **Description:** Admin wants to create conferences. | |
| **Actors:** Admin | |
| **Trigger:** After logging in, administrator goes to the page where he/she can create a new conference. | |
| **Normal Flow:**   1. The Admin chooses the “Create new conference” page and brought to the page where he/she can create new conference. 2. The system prompts the admin for the details about the conference. 3. The admin inputs details about the new conference. 4. The system displays that the conference has been successfully created. 5. End | |
| **Sub-Flows:** None | |
| **Alternative/Exceptional Flows:** None | |