Conference Management System

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FUNCTIONAL REQUIREMENTS

1. A user can login in the app or to create a new account
2. After logging in, users are able to choose the way they want to use the application (as a Program Committee member, author or as simple user)
3. A simple user can:
   - 3.1. Create a new conference
     - 3.1.1. Create a password for the event
     - 3.1.2. Establish the deadlines for submitting abstract and full paper, the Program Committee, the conference sections
   - 3.2. Upload information about his conference
   - 3.3. Search for conferences
   - 3.4. Register for a conference
     - 3.4.1. To pay the registration
4. An author can:
   - 4.1. Submit an abstract paper to a conference
   - 4.2. Submit the full paper to a conference
   - 4.3. After the the paper is accepted, they can improve the paper based on the review
5. A program committee member can:
   - 5.1. Accept to participate at a conference
   - 5.2. Upload the information about himself on the conference site
   - 5.3. After the deadline for submitting papers, they have to analyze the abstract or full papers
   - 5.4. Can choose if they want to evaluate a paper or not
   - 5.5. Evaluate the submitted papers
     - 5.5.1. Give suggestions about an assigned paper
6. A chair can:
   - 6.1. Update the deadlines of the conference
   - 6.2. Assign reviewers to papers

NON-FUNCTIONAL REQUIREMENTS

The app should:
1. Respond in less than 1 second to each request
2. Be easy to use by anyone
3. Support more than 100 users
4. Work in the most common browsers (Chrome, Safari, Edge, Firefox, Opera)

USE CASES

USE CASE	ACTOR	DETAILS
Create account	User	Anyone can create an account by choosing "sign up". During this phase, they have to submit some information about themselves(affiliation, email address and password) that will be validated.
Log in	User	Anyone can log in by pressing the corresponding button and inserting their email and password (that will be automatically validated) in order to browse conferences, submit proposals. PC members (excepting the chair) can even log in as authors in order to submit proposals (in which case they cannot see the reviews of their paper).
Search for conferences	User	The user is able to see a list of all the conferences that are happening currently or in the future and choose a result.
Create conference	User	Anyone can decide to organize a conference.
Input conference details	Conference organizer	The conference organizer inputs the name of the conference, the interval in which the event will take place, the "Call for papers", the deadlines (abstract, full paper submission, bidding), the Program Committee, the program, number of reviewers for each paper. The organizer chooses if a full paper can be uploaded or only the abstract.
Choose Program Committee	Conference organizer	The organizer chooses the Program Committee, including the conference chair and the conference co-chairs.

Submit proposals	Author	A user can choose to upload a proposal to any conference found in the "Call for papers" section before the deadline. Each person interested in submitting a proposal creates their own user account (name, affiliation, email address). Once the account is validated, the submitter logs in, they can choose between "submit an abstract paper" or "submit a full paper, fulfills the name of the proposal, the keywords, the topics, the possible list of authors and their meta-information,clicks "submit", and then the application verifies the date and may or may not display an error message.
Submit abstract	Author	The author must submit the abstract paper before the deadline. They can upload new versions until the deadline.
Submit full paper	Author	Submitting the full paper is not possible for every conference. If it is, then it must be uploaded before the deadline, until which they can keep uploading new versions.
Improve paper	Author	Authors can improve their accepted papers by taking into account the reviewers' recommendations.
Review paper	Reviewer	The reviewer gives to each paper one of the following qualifiers: strong accept, accept, weak accept, borderline, weak reject, reject, strong reject.
Bid proposal	Program Committee	Each PC member does a brief analysis of the abstract or full papers in order to determine if they should be evaluated or not. The bidding must be done before the deadline.
Assign reviewers	Conference chair	After the bidding process is over, the co-chairs assign to each reviewer papers to evaluate. A paper will be evaluated only if it was not refused in the bidding phase. Number of reviewers assigned depends on the conference type.
Register	Conference participant	Every conference participant has to register in order to be able to participate at the event.

Pay	Conference participant	The session chairs, speakers and listeners have to pay the registration fee.
Choose sections to participate in	Program Committee	The different sections of the conference are decided after the accepted proposals are known. Each accepted paper is planned to be presented in a section.
Assign session chairs	Program Committee	The PC members assign to each session a session chair. The session chair can be a PC member (including the chair, co-chair), or someone else.