SAMS 2024 Domain Model
Submitted by Group 2

Course: SWEN-746
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Summary of Associations:

1. **Submitter**: The Submitter is associated with the Paper System to be able to retrieve submitted papers, submit a paper for review, retrieve the paper template, edit/delete a paper that is already submitted, and to set particular review preferences for a paper. As the Submitter modifies a paper and its details, the Submitter is associated with the Paper and Details entity. Since a Submitter "is a" user, there is a generalization relationship present there.

2. **PCM**: The PCM is associated with the Review System to manage reviews (retrieve available reviews, retrieve review template before drafting review, etc). Since the PCM is also involved with writing the content of the review and modifying it, they are also associated with the Review itself. Similarly, the PCM is also associated with the Paper System (retrieve available papers, choose preference of papers, etc) and with the Paper entity (reviewer of the paper). Since a PCM "is a" user, there is a generalization relationship present there.

3. **PCC**: The PCC is associated with the Review System to manage reviews (retrieve reviews). Since the PCC is also involved with generating a report and rating, they are also associated with the Review entity itself. PCC is involved with assigning PCMs to an individual paper, hence associated with the Paper entity and also the Paper System (to retrieve papers). Since a PCC "is a" user, there is a generalization relationship present there.

4. **Administrator:** The Administrator is a specialization of PCM, Submitter, PCC and User, inheriting all functionality and attributes from them. The Administrator is also associated with the Template System (to set/update templates for both reviews and papers).

5. **User**: A PCC, Submitter, PCM and Administrator are specializations from the generalized class User. A User has an association with a Credentials entity (to handle authentication and authorization of the user for the system). The User also can send/receive notifications (eg: when PCC assigns a PCM, when Submitter submits a paper, etc), associating them with the Notification entity.

6. **Template System**: The Template System comprises templates. There is a specialization relationship between the Review Template and the Notification Template. The Template System is associated with the Administrator as they set/modify the templates.

7. **Paper/Paper System**: A paper system is composed of papers. Papers have detail and a deadline. The submitted paper associated with the paper system should be reviewed by the PCM hence the

paper system has an dependency association with the review system. The Paper System can be associated with notifications.

8. **Review System/Review**: The review system is composed of reviews. A review comprises review template and is associated with a paper and can be associated with a PCM. The Review System can be associated with notifications.

Revision	Notes	Teammate
0.1	First Pass at Model with relationships and functions Question: When can preferences be set? Only on initial paper preferences? Does the submitter have to be the author, if not how can one or the other see all papers they are responsible for? Stacy :adjust the sequence diagaram to say modifyAccount() Need teams help on ambiguous details Type, Details, Deadline (ambiguous now), hoping to refine Getters and setters formost attributes are abstracted out	Stacy
0.2	Made some cosmetic changes to the diagram, to reduce overlap of relationship lines Modified the diagram's relationship of how relationship is handled between systems (review/paper) and notification Defined relationships for PCM and added more attributes	Rohini
0.3	Defined the relationships between Submitter and the other classes in the system Added attributes and classesfor deadlines and deadls and modifies their relations	Swetha
0.4	Identified the realtionships between PCC and other Systems and classes. Added PCC functionalities and defined return types for the methods.	Soudagar
0 5	General updates and discussion, removed lines form notification to particular actors and instead moved it to User	Soudagar, Swetha, Rohini, Stacy
1.0	First Draft Delivered 10-18-2023	Soudagar, Swetha, Rohini, Stacy