Team: Group 2

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SEQUENCE DIAGRAM FOR ALL THE COMPONENTS: -

All the sequence diagrams have the following actors:

- PC Chair and/or Associate Editor
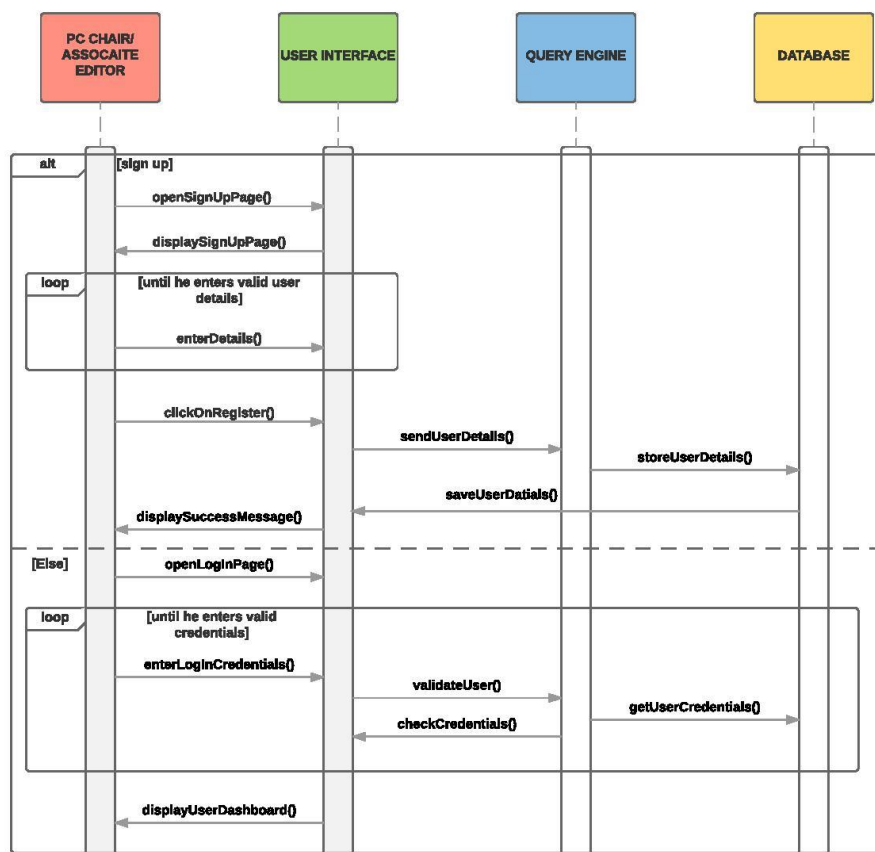- User Interface
- Query Engine
- Database

Since there is interaction and inter-dependency between all these components, they together are required to execute the system as a whole.

1. A member can either be a first time user or an already registered user of the system. If he is a first time user, he would like to sign-up by entering his details and if he enters valid details, query engine triggers a query to store details in the Database.

   If the user is an already registered user, he would navigate to Log in page and enter his credentials. The query engine gets the user's credentials from Database and validate the user. If the user is validated, UI displays his Home Page/Dashboard.

SIGN-UP AND LOG IN:-   rshah7414 | February 18, 2017

2. The PC Chair/ Associate Editor must be logged in to the system to update his profile details. The UI will validate all the entered details and if those details are valid, the query engine triggers a query to update user details in the database.

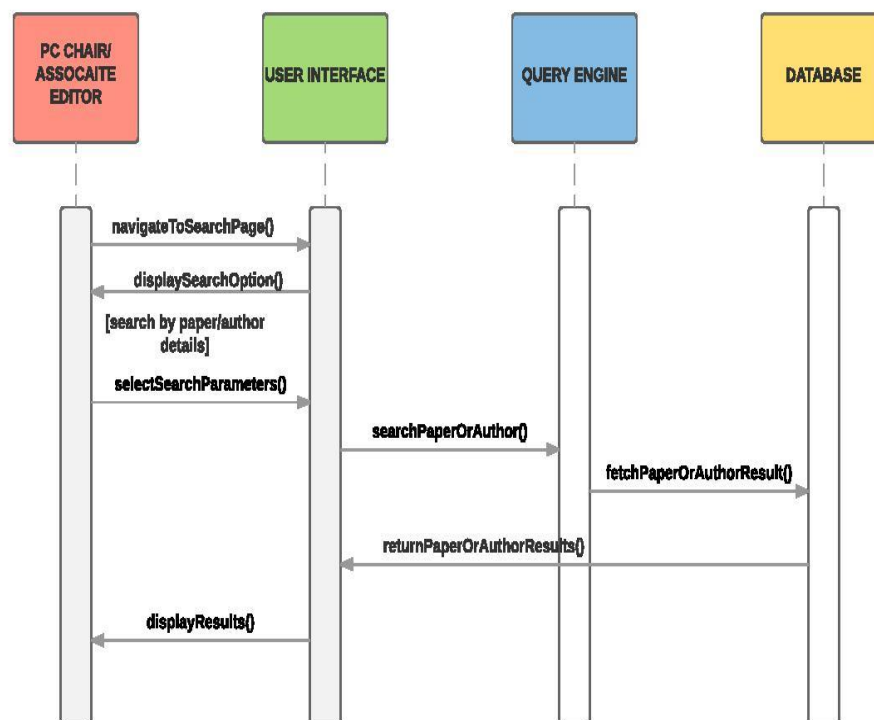The UI shows a success message after updated user details are stored the database.

3. A PC Chair/Associate Editor searches a paper based on its title keywords, year of publication, conference/journal it was published, etc. Also, he can search for authors with similar profile based on Masters/PhD Thesis, field of expertise, geographic location, ethnicity, etc.
This is done by query engine by triggering the fetch query regarding papers or authors.

Database returns the ResultSet which is displayed on the UI.

SEARCH BY PAPER/SIMILAR AUTHOR PROFILE:-   rshah7414 | February 18,

4. A PC Chair chooses a conference for which he wants to make a committee. He then searches for   author based on various parameters like number of papers published, conferences attended, conference he was a part of, etc.
He then adds him if he is not already added to the committee, he can add him.

After he has been added, he can contact the author via Email. The query engine fetches Email ID from Database and sends a mail to his Email ID.

returnIfAuthorAlreadyPresent()

authorAlreadyAddedMessage()

contactAuthor()

getEmailID()

fetchEmailID()

returnEmailID()

sendEmailToAuthor()

displaySuccessMessage()