

Milestone 1

Project details

Project Name: Conf-vinent

Team ID: Team 8

Team Members:

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Problem Statement

In recent years, computer science academic conferences receive more and more attention around the world as the rise of Artificial Intelligence. On the other hand, Excel has been a popular tool to manage different kinds of data for many years. However, using Excel to help host a conference faces many problems such as authority management, synchronization between numerous users, efficiency and scalability problems. Without solving these problems, academic communication inevitably will be negatively influenced. Our system aims to help all participants of each computer science academic conference find a comfortable place to work together.

Target user

1. Authors: users who want to submit their academic papers to different conferences. Anyone can become an author and submit their works by registering an account on their own.
2. Reviewers: users who review papers for the conference and decide whether this paper can be selected for the conference. They can also request to reassign the review task to another reviewer if they need. To become a reviewer, one must be invited by the committee.
3. Committee administrators: users in charge of one specific academic committee. They can use this system to add or remove committee members, edit the committee profile, organize new conferences as well as review reassign requests. Committee administrators are granted by super administrators(which are developers of this project).
4. Committee members: users belong to one specific academic committee. They will have access to manage the ongoing conference and process review reassign requests.

Note:

1. Any user cannot be an author and a reviewer for the same conference.
2. Committee members and committee administrators can also be invited to become reviewers of conferences that belong to other committees.

List of Relations

1. COMMITTEE table

Field Name	Type	Description
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comit_id	VARCHAR	ID of each committee
name	VARCHAR	Committee name
icon	VARCHAR	URL of the committee icon

2. USERS table

Field Name	Type	Description
user_id	VARCHAR	ID of each user
registered	TINYINT	Determine whether the user has finished the registration step.
last_name	VARCHAR	Last name of the user
first_name	VARCHAR	First name of the user
email	VARCHAR	Email address of an user
password	VARCHAR	Password of an user
organization	VARCHAR / NULL	Organization of a user
address	VARCHAR / NULL	Address of an user
committee_id	VARCHAR / NULL	Refer to COMMITTEE.comit_id . Committee of the user belongs to. Note that a user could have no committee.
committee_status	VARCHAR	Status of the user in the committee. Could be “active” or “inactive”
is_committee_admin	TINYINT	Whether the user is a committee administrator or not

3. CONFERENCES table

Field Name	Type	Description
con_id	VARCHAR	ID of a conference
status	VARCHAR	The status of the conference. Could be “call_for_works”, “in_review”, “ongoing”, “completed”, “canceled”
name	VARCHAR	Name of a conference
committee_id	VARCHAR	Refer to COMMITTEE.comit_id . ID of the Committee who host the conference
submit_deadline	TIMESTAMP	Deadline of all submissions
review_deadline	TIMESTAMP	Deadline of all reviews
is_virtual	TINYINT	Whether it is a virtual conference.

address	VARCHAR / NULL	Address of where the conference will be hosted. Note that the virtual conference doesn't have an address.
reviewer_number	INT	The number of reviewers of each paper.

4. SUBMISSIONS table

Field Name	Type	Description
sub_id	VARCHAR	ID of a submission
submission_time	TIMESTAMP	Time of the submission is submitted.
status	VARCHAR	The status of the paper. Could be “draft”, “in review”, “accepted”, “declined” or “archived”
title	VARCHAR	Title of the submitted paper
conference_id	VARCHAR	Refer to CONFERENCES.con_id. ID of the conference that this paper was submitted to.
paper_link	VARCHAR	Link for fetching the paper

5. REQUESTS table

Field Name	Type	Description
req_id	VARCHAR	ID of the reassigning requests
comit_id	VARCHAR	ID of each committee
status	VARCHAR	Status of the application, could be “submitted”, “accepted” or “declined”
created_time	TIMESTAMP	time of the request being created
processed_time	TIMESTAMP	time of the request being processed
requester_id	VARCHAR	Refer to USERS.user_id . ID of the user who create this request
reviewer_id	VARCHAR	Refer to USERS.user_id . ID of the committee member that was assigned to process the request
reason	VARCHAR	The reason for reassigning a review.

6. PARTICIPANTS table

Field Name	Type	Description
type	VARCHAR	Type of the participant in a certain conference Could be “author” or “reviewer”
user_id	VARCHAR	Refer to USERS.user_id . User ID of this participant.

submission_id	VARCHAR	Refer to SUBMISSIONS.sub_id . The submission that related to this participant.
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7. DECISIONS table

Field Name	Type	Description
user_id	VARCHAR	Refer to USERS.user_id . User ID of the reviewer who made this decision.
submission_id	VARCHAR	Refer to SUBMISSIONS.sub_id . The submission that this decision belongs to.
value	VARCHAR	Could be “approved” or “declined”

Web-interface (not real pages, created by UI designing tool)

Sign In module

Sign Up

First Name *

Last Name *

Address

Organization

Email Address *

Password *

Re-Enter Password *

SIGN IN

[Back to Sign In](#)

Sign In

Email Address *

Password *

☐ Remember me

SIGN IN

[Forgot password?](#)
[Don't have an account? Sign Up](#)

Password Recovery

Email Address *

SEND LINK

[Back to Sign In](#)

Set New Password

Recover Code *

New Password *

Re-Enter New Password *

RESET PASSWORD

Settings module (Only committee administrators have access to it)

Home

Conferences

Requests

Submissions

Settings

Settings

Committee NameComputer Vision Foundation

Committee Icon (Click the box below to upload new image)

CvF

Members

Invite New Members

Name	Email	Status	Actions
Tai An	at2@ur.rochester.edu	Active	\$
Jinsheng Pan	jpan24@ur.rochester.edu	Active	\$
Zichen Wang	zwang189@ur.rochester.edu	Inactive	\$
Brenda Liu	brenda.li@gmail.com	Invitation Sent	

Settings

Members

Invite New Members

Invite New Members

Email Address

Email Address

Add More Email Address

CancelSend

Conferences module (Committee members and committee administrators can access)

Home

Conferences

Requests

Submissions

Reviews

Current Conference

Conference NameConference Name *

Submit Deadlineyyyy/mm/dd

Review Deadlinyyyy/mm/dd

AddressAddress *

Is Virtual

Reviewers Per PaperNumber of reviewers for each paper *

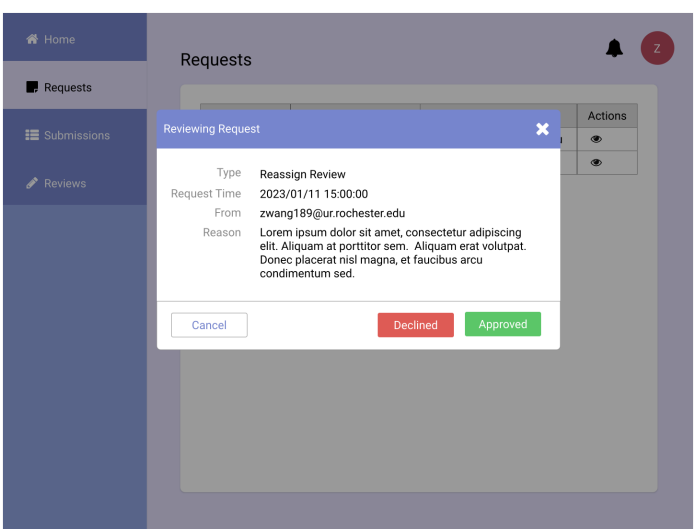
Reviewers

zwang189@ur.rochester.edujpan24@ur.rochester.eduat2@ur.rochester.eduAdd Member

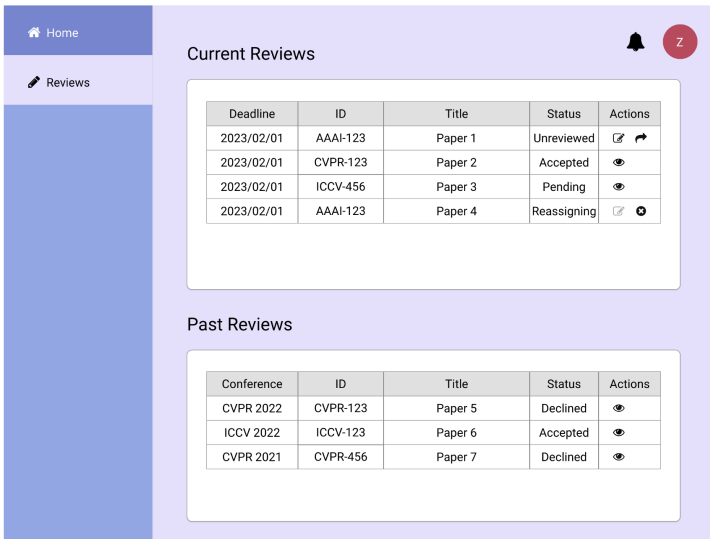
Start

Past Conferences

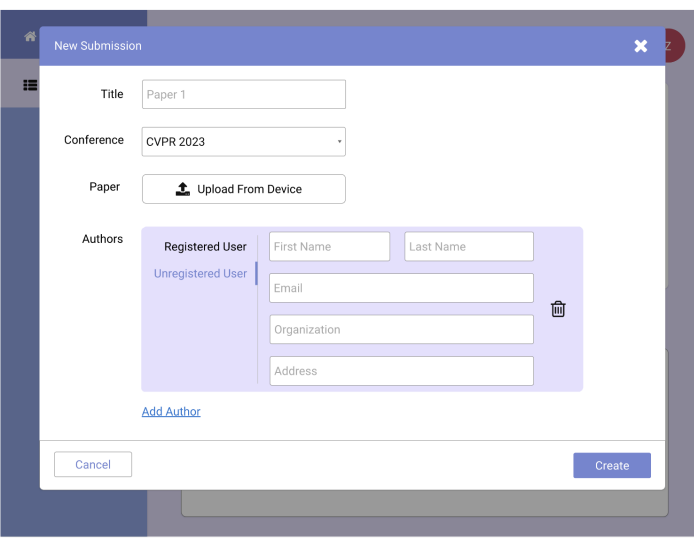
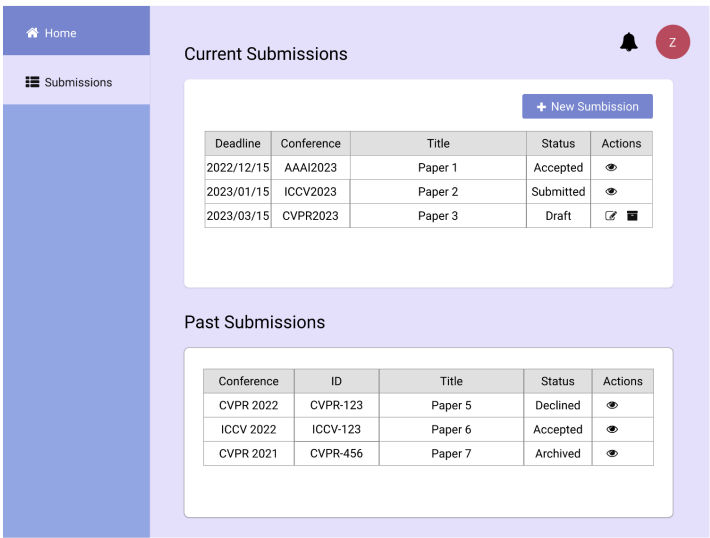
Requests module (Committee members and committee administrators can access)



Reviews module (Reviewers can access)



Submissions module (Every user can access)



Data

We are planning to create our own data for this project.