Database Management System

Conference Management System

BSCS-4A

Assignment no.2

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Section 2.0 Update the assignment 1 report based on the comments given

Section 2.0 should have the following table:

      • Create a compliance table in the beginning of this section.

	Comments	Action	Page No.
1	To update project objectives	Project objectives updated in Sec 1.2	Page 3-Sec 1.2: Objectives
2	Interview is missing	Interview added in Sec 1.3: Conducted interview with Dr. Muhammad Asfand-e-yar	Page 4-Sec 1.3: Project Planning
3	To redraw system boundary diagram	Revised and recreated the system boundary diagram in Section 1.4.	Page 6- Sec 1.4: System Boundary Diagram

Section 2.1 Identify the data elements in your system

2.1 Identify the data elements in your system Based on the requirements gathered in assignment 1 from interviews and documents, list all entities that you need store data about. Read through this article for guidelines how to extract useful information from interviews or documents.

1. Organizer

2. Speaker

3. Attendee

4. Reviewer

5. Sponsor

6. Event

7. Papers

8. Schedule

9. Feedback

Section 2.2 System Specification

2.2 System Specification: (refer to section 11.4.4) Create major user views of your system as done in Figure 11.11 based on users identified in assignment 1. Your data column for the figure and table should be derived from section 2.1. You should have similar matrix tables in your report as Figure 11.11 and Table 11.7. Read the chapter carefully to understand how these will be created.

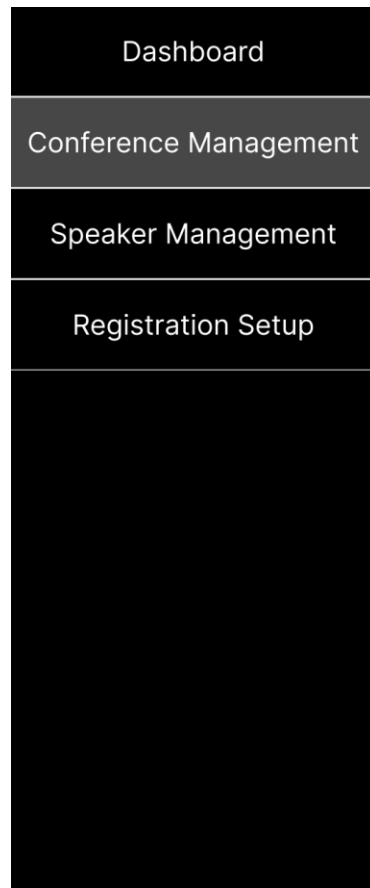| Data	Access Type	Organizer	Speaker	Reviewer	Attendees	Sponsors
Conference Events	Maintain	X				
	Query	X	X	X	X	X
	Report	X				
Speaker Invitations	Maintain	X				
	Query	X	X			
	Report	X	X			
Paper Submissions	Maintain		X			
	Query			X		
	Report			X		
Presentation Material	Maintain		X			
	Query		X		X	
	Report		X			
Conference Registration	Maintain	X	X	X	X	X
	Query	X	X	X	X	X
	Report	X	X	X	X	X
Feedback	Maintain				X	
	Query	X			X	X
	Report	X				
Promotional Material	Maintain					X
	Query		X	X	X	X
	Report					X
Speaker Schedules	Maintain		X			
	Query	X	X	X	X	
	Report		X			
Conference Schedules	Maintain	X				
	Query	X	X	X	X	X
	Report	X				
Sessions	Maintain	X				
	Query	X	X		X	
	Report	X	X			
Upcoming Conferences	Maintain	X				
	Query	X	X	X	X	X
	Report	X				
Paper Submissions	Maintain		X			
	Query			X		
	Report			X		
Presentation Material	Maintain		X			
	Query		X	X	X	
	Report		X			

Section 2.3 Wireframes:

2.3 Detailed User-views using Wireframes Create detailed wireframes for your project. Wireframes should be included for all interfaces of each identified use. Each wireframe should be mapped to requirements identified in table/figure in section 2.2. For Each view, fill in the following table.

Wireframe ID	V1				
User	Organizer				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access
Title	Users can see the title	YES	Yes	NO (The title is static once set, there's no action associated)	YES (To store and retrieve conference titles)
Start Date	User can see the start date	YES	Yes	NO (The start date is static once set,	YES (To store and retrieve

				there's no action associated)	conference start dates)
End Date	**User can see the end date**	YES	Yes	NO (The end date is static once set, there's no action associated)	YES (To store and retrieve conference end dates)
Attendees	**User can see the number of attendees**	NO	Yes	NO (Attendees are managed automatically by the system)	YES (To store and retrieve the list of attendees)
Registration Status	**User can see if the registration is open or not**	NO	Yes	NO (Registration status is managed automatically by the system)	YES (To store and retrieve user registration statuses)

Dashboard

Conference Management

Speaker Management

Registration Setup

Create new Conference

Update Conference

Delete Conference

Wireframe ID	V2				
User	Organizer				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access
Create new Conference	User creates	Yes	Yes	User is redirected to V6	YES (To store the details of the newly created conference in the database)
Update Conference	User updates the conference	YES	Yes	User is redirected to V7	YES (To update the details of the conference in the database)
Delete Conference	User deletes he conference	YES	Yes	User is redirected to V8	YES (To remove the conference details from the database)

Dashboard	Create new Conference
Conference Management	Conference Title
Speaker Management	Start Date End Date
Registration Setup	DD-MM-YYYY DD-MM-YYYY
	Conference Type
	▼ Location
	Description

Wireframe ID	V3				
User	Organizer				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access
Conference Title	User enters the Conference title	Yes	Yes	NO (The title is static once set, there's no action associated)	YES (To store and retrieve conference titles)
Start Date	User enters the start date	YES	Yes	NO (The start date is static once set, there's no action associated)	YES (To store and retrieve conference start dates)
End Date	User enters the end date	YES	Yes	NO (The end date is static once set, there's no action associated)	YES (To store and retrieve conference end dates)

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Location	User enters the location	YES	Yes	NO (The location is static once set, there's no action associated)	YES (To store and retrieve conference locations)
Conference Type	User selects the conference type	YES	Yes	NO (The type is static once set, there's no action associated)	YES (To store and retrieve conference types)
Description	User enters the Conference Description	YES	Yes	NO (The description is static once set, there's no action associated)	YES (To store and retrieve conference descriptions)

Wireframe ID	V4
User	Organizer
User View Req	Table 2.1 S1

Component	Description	Input	Output	Action	Require DB Access
Conference Title	User enters the Conference title	Yes	YES		YES
Start Date	User enters the start date	YES	YES		YES
End Date	User enters the end date	YES	YES		YES
Location	User enters the location	YES	YES		YES
Conference Type	User selects the conference type	YES	YES		YES
Description	User enters the Conference Description	YES	NO		YES

Dashboard

Conference Management

Speaker Management

Registration Setup

Delete Conference

Upcoming Conferences

Title   Start Date   End Date

DELETE   Cancel

Wireframe ID	V5

User	Organizer,Attendee,Speaker,Sponsor				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access
Check Box	User selects the conference to be deleted	Yes	Yes	YES (Checking or unchecking the checkbox triggers an action, such as saving user preferences or selecting options)	YES (To store the state of the checkbox, especially if it represents user preferences or selections)
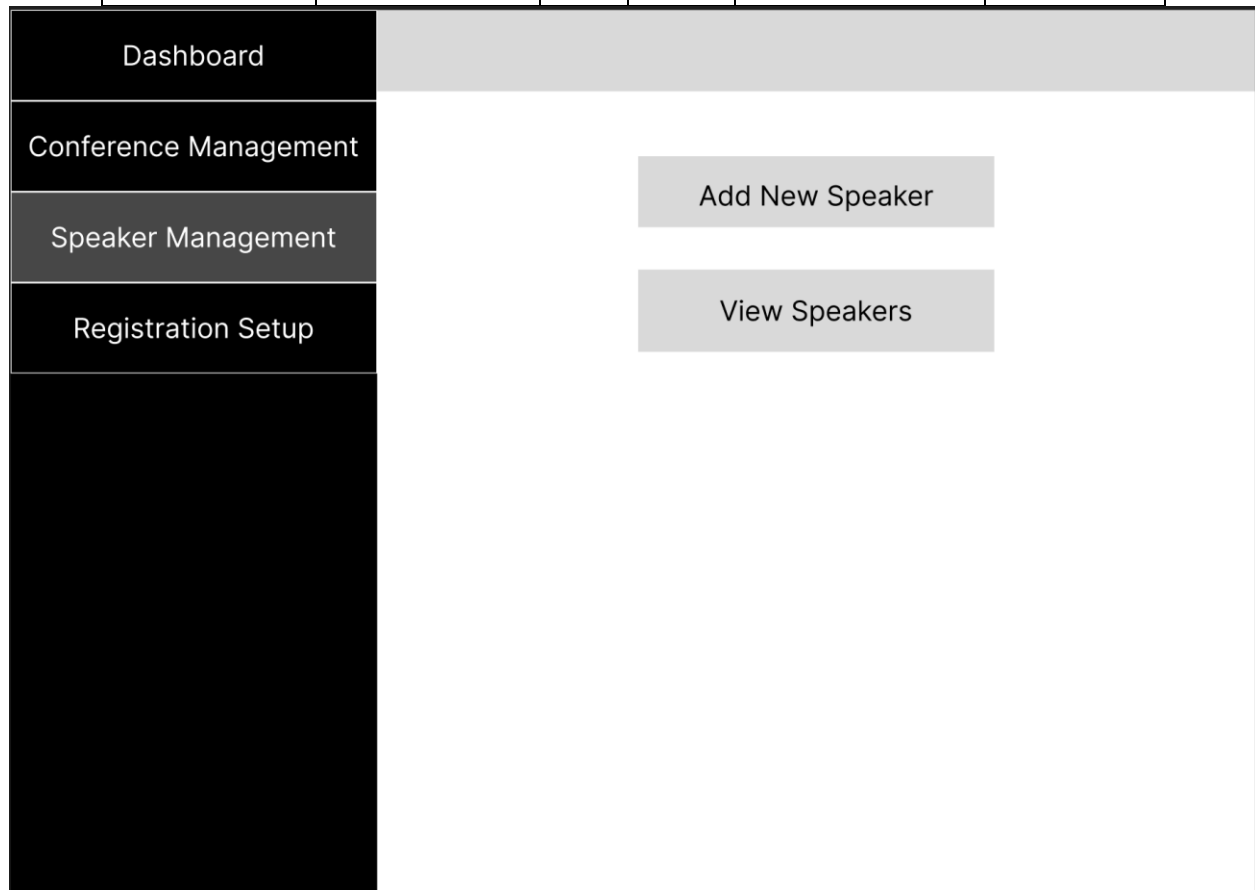
Wireframe ID	V6				
User	Organizer				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB

					Access
Add new speaker	User adds new speaker	Yes	Yes	Redirects to V10	YES (To store the details of the new speaker in the database)
View Speakers	User views the speakers	YES	Yes	Redirects to V11	YES (To retrieve the list of speakers from the database)
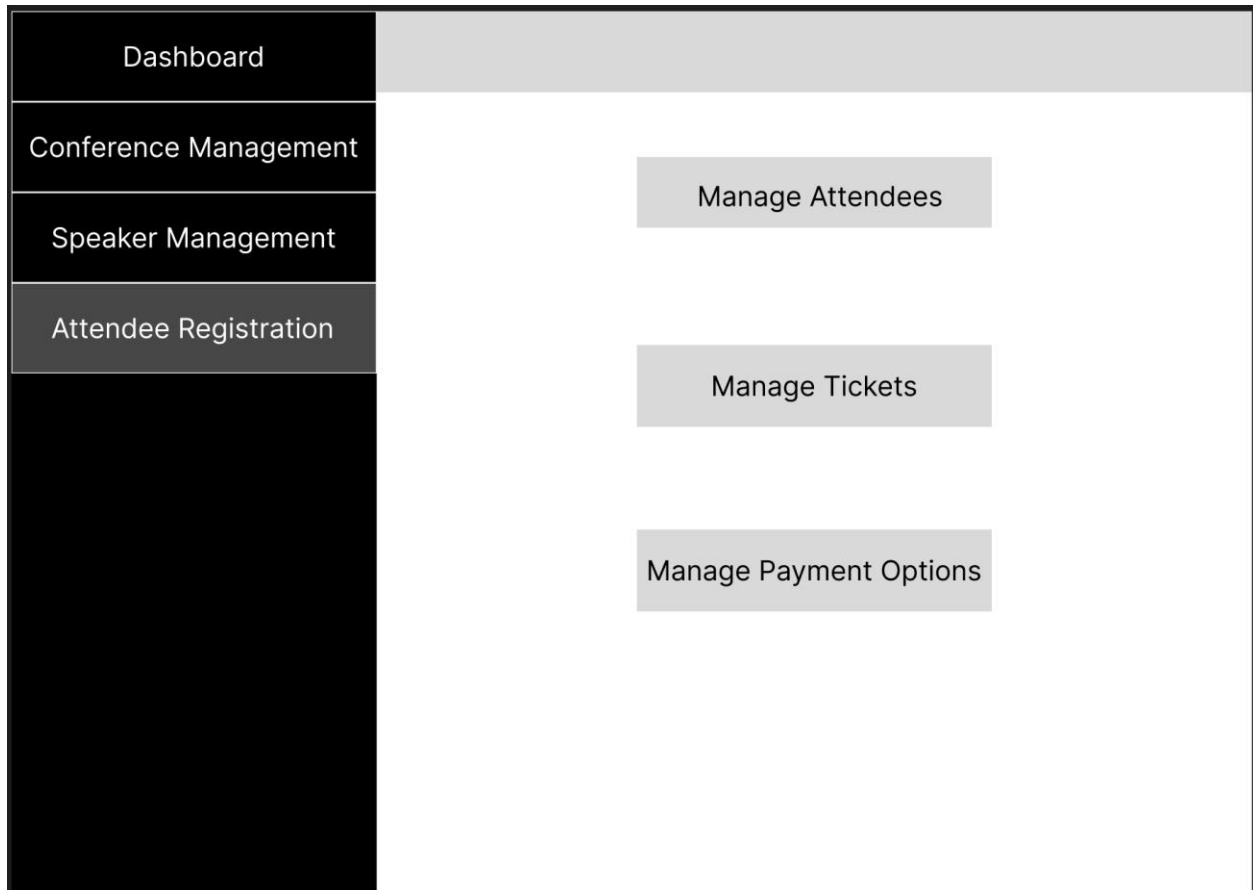
Wireframe ID	V7				
User	Organizer				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB

					Access
Manage Attendees	**User can manage attendees**	**Yes**	**Yes**		YES (To store and retrieve attendee information and manage registration statuses)
Manage Tickets	**User can manage the tickets**	**YES**	**Yes**		YES (To store and retrieve ticket information and manage ticket options)
Manage payment options	**User can mange payment options**	**YES**	**Yes**		YES (To store and retrieve payment method information and manage payment options)

Wireframe ID	V8				
User	Speaker				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access
Name	User views the Name	Yes	YES		YES
Age	User view the age	Yes	YES		YES
Profile Picture	User views the profile picture	Yes	YES		YES
Summary of Expertise	User views the Expertise	yes	YES		YES

Wireframe ID	V9				
User	Speaker				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access
Title	The system displays the title of the paper	Yes	YES		YES (To store and retrieve the title of the paper)
Abstract	The system displays the abstract of the paper	Yes	Yes		YES (To store and retrieve the abstract of the paper)
Co-Authors	The system displays the co-	Yes	YES		YES (To store and retrieve

	authors of the paper				the co-authors of the paper)
Payment Options	Allows users to select a payment option from a dropdown menu	Yes	No	YES (Initiates the process of selecting a payment option)	YES (To retrieve payment options from the database)
Upload Paper	Users upload their paper by clicking the button	Yes	Yes	YES (Initiates the process of uploading the paper)	YES (To store the uploaded paper in the database)
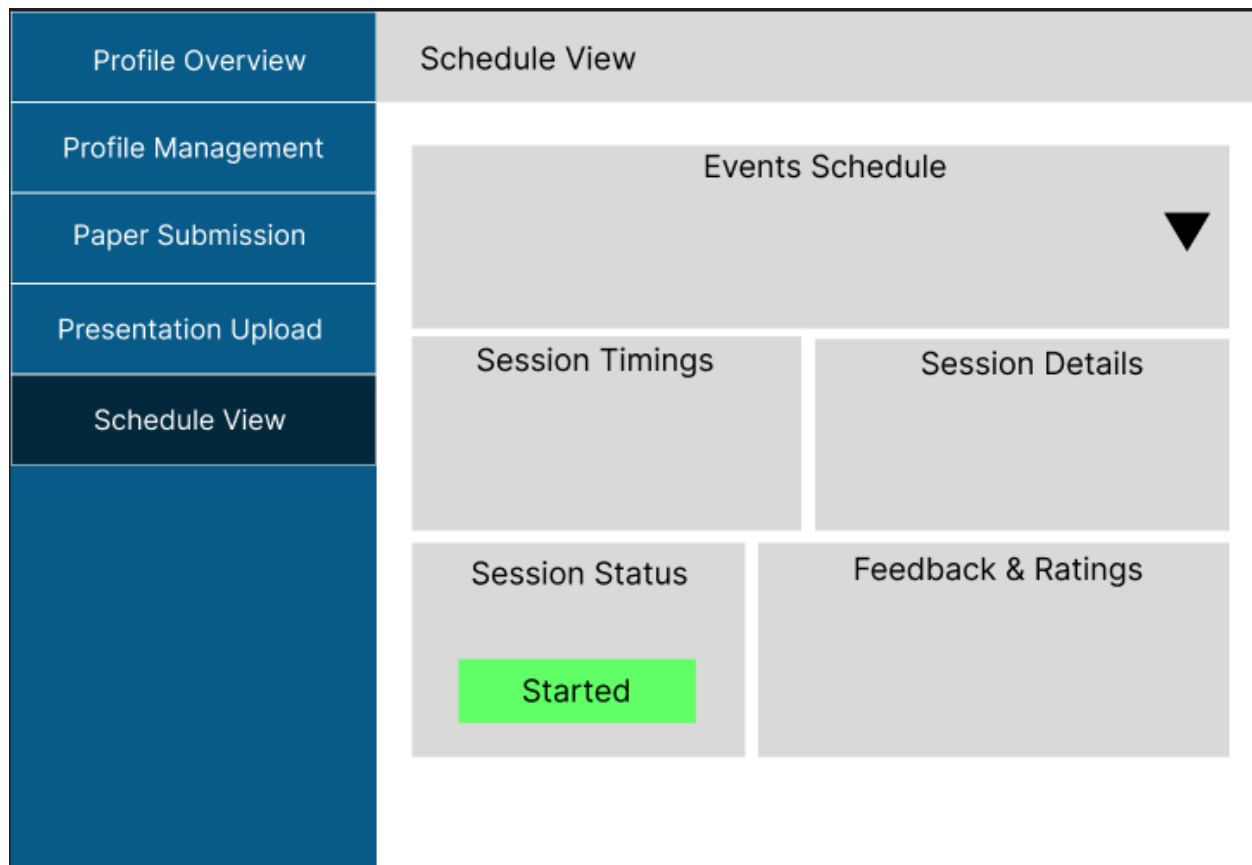
Wireframe ID	V10				
User	Speaker				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access

Events Schedule	Users can view the schedule of events	No	Yes		YES (To retrieve the schedule of events from the database)
Session Timings	Users can view session timings	No	Yes		YES (To retrieve session timings from the database)
Session Details	Users can view session details	No	Yes	YES (Initiates the process of displaying session details)	YES (To retrieve session details from the database)
Session Status	Users can view session status	No	Yes		YES (To retrieve session status from the database)
Feedback & Ratings	Users receive confirmation that their feedback and ratings have been submitted	Yes	Yes	YES (Initiates the process of submitting feedback and ratings)	YES (To store user feedback and ratings in the database)

Wireframe ID	V11				
User	Attendee				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access
Select Conference	User views the Name	Yes	No	YES (Selecting a conference triggers actions such as displaying available ticket types or proceeding to registration)	YES (To retrieve the list of available conferences from the database)
Select Ticket Type	Users select a ticket type from a dropdown list or similar interface	Yes	No	YES (Selecting a ticket type may trigger actions such as displaying payment options or	YES (To retrieve the available ticket types and their details

				proceeding to checkout)	from the database)
Select Payment Method	Users select a payment method from a dropdown list or similar interface	**Yes**	**No**	YES (Selecting a payment method may trigger actions such as displaying payment details or proceeding to payment)	YES (To retrieve the available payment methods from the database)

Wireframe ID	**V12**
User	**Attendee**
User View Req	**Table 2.1 S1**

Component	Description	Input	Output	Action	Require DB Access
View Full Conference Schedule	Users can view the entire conference schedule	No	Yes	YES (Initiates the process of displaying the full conference schedule)	YES (To retrieve the complete conference schedule from the database)
Filter Schedule by Date/Time	Users can view the filtered schedule based on their criteria	YES	Yes	YES (Initiates the process of filtering the conference schedule)	YES (To retrieve and filter the conference schedule based on date/time criteria)
Add Sessions to personal Schedule	Confirmation message indicating that the session has been added to the personal schedule	YES	Yes	YES (Initiates the process of adding sessions to the personal schedule)	YES (To store the user's personal schedule in the database)
Previous	The system displays the previous page of the conference schedule	Yes	Yes	YES (Initiates the process of navigating to the previous page)	No
Next	The system displays the next page of the conference schedule	Yes	Yes	YES (Initiates the process of navigating to the next page)	No

Wireframe ID	V13				
User	Attendee				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access
Browse All Sessions	Users can view a list of all sessions	No	Yes	YES (Initiates the process of displaying all sessions)	YES (To retrieve the complete list of sessions from the database)
Filter Sessions by Topic	Users can view a filtered list of sessions based on their selected topics.	Yes	Yes	YES (Initiates the process of filtering sessions by topic)	YES (To retrieve and filter sessions based on topic criteria from the database)

View Session Details and Speakers	Users can view detailed information about the selected session, including speaker details.	No	Yes	YES (Initiates the process of displaying session details and speakers)	YES (To retrieve session details and associated speaker information from the database)
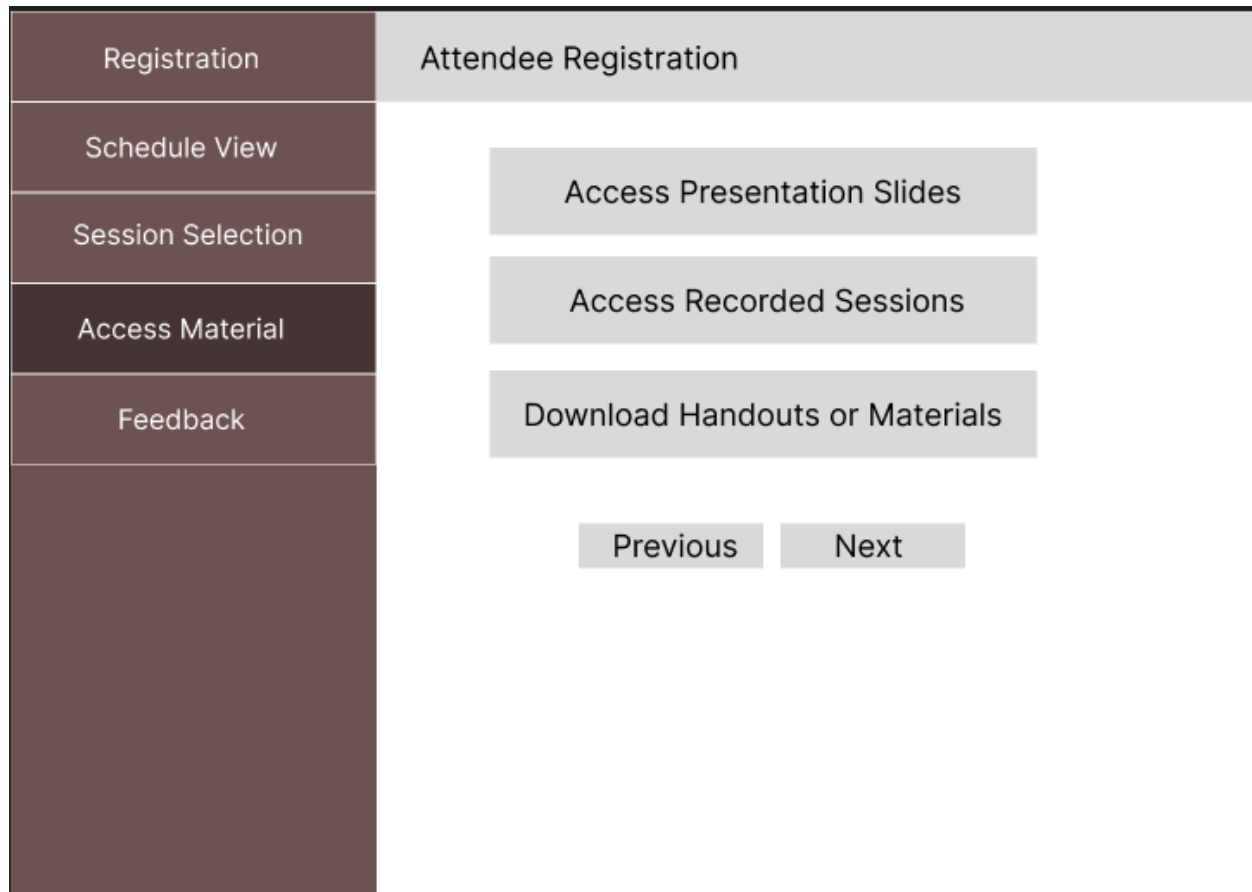
Wireframe ID	V14				
User	Attendee				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access

Access Presentation Slides	Users can view or download presentation slides	No	Yes	YES (Initiates the process of accessing presentation slides)	YES (To retrieve presentation slides from the database, if stored)
Access Recorded Sessions	Users can view or download recordings of sessions	No	Yes	YES (Initiates the process of accessing recorded sessions)	YES (To retrieve recorded sessions from the database, if stored)
Download Handouts or Materials	Users can download handouts or materials	No	Yes	YES (Initiates the process of downloading handouts or materials)	YES (To retrieve handouts or materials from the database, if stored)

Registration	Attendee Registration
Schedule View	
Session Selection	Provide Session Feedback...
Access Material	
Feedback	
	Submit

Wireframe ID	V15				
User	Attendee				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access
Provide Session Feedback	Users receive confirmation that their feedback has been submitted	Yes	Yes	YES (Initiates the process of submitting session feedback)	YES (To store user feedback in the database)

Wireframe ID	V16				
User	Sponsor				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access

Exhibition Booth	Checkbox indicating whether the sponsor has an exhibition booth	**Yes**	**Yes**		YES
Name	Input field for sponsors to input their name or company name	**Yes**	**Yes**		Yes
Contact Details	Input field for sponsors to input their contact details, such as email address or phone number	**Yes**	**Yes**		Yes
Upload Logo	Button to upload the sponsor's company logo	**Yes**	**Yes**		Yes
Upload Promotional Materials	Button to upload promotional materials, such as brochures or flyers	**Yes**	**Yes**		Yes
Edit	Button to edit sponsor information and materials on the sponsor page	**Yes**	**Yes**		Yes
Sponsor Description	Input field or text area for sponsors to input or view a description of their company, products, or services	**Yes**	**Yes**		Yes

Wireframe ID	V17				
User	Reviewer				
User View Req	Table 2.1 S1				
Component	Description	Input	Output	Action	Require DB Access
Paper ID	Users receive confirmation that their feedback has been submitted	No	Yes		YES (To store user feedback in the database)
Title	Input field or label displaying the title of the paper	No	Yes		Yes
Subject Areas (Primary)	Input field or label displaying the primary subject areas of the paper	No	Yes		Yes

Subject Areas (Secondary)	Input field or label displaying the secondary subject areas of the paper	No	Yes		Yes
Review & Discussion	Button or link to access the review and discussion section for the paper, allowing reviewers to provide feedback and engage in discussion about the paper	Yes	Yes		Yes

Section 2.4 Important Features:

List all the important features for your project including:

 • initial database size;

 • database rate of growth;

 • the types and average number of record searches;

 • networking and shared access requirements;

 • performance;

 • security; (Read the chapter carefully to understand how these will be created. Use a similar approach for listing them for your project)

- **Initial Database Size**

i. Approximately 100 conferences managed, with an average of 5 and a maximum of 10 conferences per event.
ii. Around 1000 attendees across all conferences, averaging 50 and peaking at 100 attendees per conference.
iii. Approximately 100 organizers across all events, with an average of 5 and a maximum of 10 organizers per event.
iv. Roughly 2000 reviews recorded across all conferences, averaging 200 and peaking at 500 reviews per conference.
v. Around 5000 views of conference results across all events, with an average of 500 and a maximum of 1000 views per event.

- **Database Rate of Growth**

i. Expect approximately 20 new conferences and 100 new attendees added monthly.
ii. About 5 conference records and 5 attendee records will be deleted monthly based on specific criteria.
iii. Approximately 3 new organizers join and leave monthly, with records of departed organizers deleted after a year.
iv. Approximately 500 new reviews are recorded daily, with details deleted after a year.

- **Types and Average Number of Record Searches**

i. Approximately 20 searches daily.
ii. Varies between 100 (Mon-Thurs) and 200 (Fri-Sat) daily, with peak times specified.
iii. Around 10 searches daily.
iv. Varies between 50 (Mon-Thurs) and 100 (Fri-Sat) daily, with peak times specified.
v. Varies between 200 (Mon-Thurs) and 400 (Fri-Sat) daily, with peak times specified.

- **Networking and Shared Access Requirements**

i. All conferences securely networked to a centralized database.
ii. System supports 5-10 concurrent accesses per conference for organizers, speakers, attendees, reviewers, and sponsors.
iii. System designed to handle peak times and potential spikes in concurrent accesses.
iv. Emphasis on securely storing sensitive data like attendee details and scores.

- **Performance**

i. Expect less than 1-second response during operating hours and less than 5 seconds during peak periods.
ii. Less than 5 seconds during regular hours and less than 10 seconds during peak periods.
iii. Less than 1 second during normal hours and less than 5 seconds during peak periods.

- **Security**

i. Database secured with password protection.
ii. Users assigned appropriate access privileges based on roles (Admin, Organizer, Speaker, Attendee, Reviewer, Sponsor).

iii. Users see only relevant data based on their role, ensuring data security and privacy. For example: A delegate should only see the conference schedule sent to them via mail to ensure efficiency.