

Research Management System Screenshots

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Sprint 2

User Stories Fulfilled: Sprint 2

- *As a researcher, I want to publish my research expertise.*
→ Evidenced by “Research Listings”, “Research Entries”, and “Research Entries Database View”
- *As a student/sponsor, I want to search and sort research opportunities by keywords, date, or filters.*
→ Evidenced by “Sorting Research Opportunities - Search Bar”, “Sorting by Date”, and “Checkboxes”
- *As a student/sponsor, I want to see a list of research expertise.*
→ Evidenced by “Research Entries” and “Homepage Functionality – Non-Researcher”
- *As a student/sponsor, I want to contact professors directly from the platform.*
→ Evidenced by “Contact Researchers Button: Auto-Draft Email Functionality”
- *As a researcher, I want to be able to edit or update my postings.*
→ Implied from editable database structure (not explicitly shown)
- *As a student, I want to find professors doing research that interests me.*
→ Evidenced by “Homepage Functionality – Non-Researcher” and filtering options

Homepage Functionality - Researcher

Research Management System

[Login](#) [Register](#)

Login

[Login](#)

Welcome Ria M! (RESEARCHER)

[Go To Homepage](#)

Research Management System

[Log Out](#)

Welcome to Your Dashboard

Name: Ria M

Role: RESEARCHER

[Add Listing](#)

[View Listings](#)

[Trends](#)

Homepage Functionality - Non-Researcher

Research Management System

[Log Out](#)

Welcome to Your Dashboard

Name: Claudia P

Role: STUDENT

Add Listing

(Only Researchers Associated with the University can add listings)

View Listings

Trends

Research Entries

— — —

Research Management System

Welcome to Your Dashboard

Name: Ria M

Role: RESEARCHER

Add Listing

View Listings

Trends

Log Out

Research Management System

Welcome to Your Dashboard

Add Research Listing

Project Name:

Effects of Jumping Up and Down on Hight

Description:

Funded by the Society of Temporary Altitude and approved by the National Bureau of Momentary Metrics, this study used high-speed cameras, laser measurements, and several enthusiastic pogo sticks to confirm that humans do, in fact, achieve a temporary increase in height while airborne. Policy recommendations include updating driver's license height fields to include "jumping height" for accuracy.

Start Date:

01/01/2025



Needs Students



Needs Sponsors

Submit

Cancel

Research Entries Database View

localhost:3000 says

Research listing added successfully!

OK

Add Research Listing

Project Name:

Effects of Jumping Up and Down on Hight

```
SELECT * FROM research_listings
```

Output swesprint.research_listings x

5 rows

	listing_id ▾	user_id ▾	project_name ▾	description ▾	start_date ▾	need... ▾
1	1	1	Effects of Jumping Up and Down on Hight	Funded by the Society of Temporary Altitude and appr...	2025-01-01	
2	2	1	If You Close Your Eyes, Can You Still See?	This double-blind (literally) study, supported by th...	2025-04-05	
3	3	2	Does Holding Your Breath Make You Invisible?	In a federally-funded pilot experiment run in collab...	2025-04-19	
4	4	2	Does the Sun Go Away at Night?	With over \$1.2 million in telescope rentals, the Sol...	2025-04-17	
5	5	1	Does playing the Bassoon make you more attractive?	No. The answer is no - but we might as well test it ...	2025-04-01	

Users Database View

Server Objects

14 ✓ `SELECT * FROM Users;`

15

es

Output swesprint.users ×

5 rows

	id	email	name	password	role
1	1	r@gmail.com	Ria M	123	RESEARCHER
2	2	z@gmail.com	Zareenah M	123	RESEARCHER
3	3	s@gmail.com	Serap O	123	SPONSOR
4	4	c@gmail.com	Claudia P	123	STUDENT
5	5	bigbird@sesamestreet.com	Big Bird	123	RESEARCHER

Name: Serap O

Role: SPONSOR

Add Listing

(Only Researchers Associated with the University can add listings)

Research Management System

View Listings

Trends

Research Listings



Sort by Date



Show Needs Students



Show Needs Sponsors

Search by title, description, or listing ID...

Effects of Jumping Up and Down on Hight

Description: Funded by the Society of Temporary Altitude and approved by the National Bureau of Momentary Metrics, this study used high-speed cameras, laser measurements, and several enthusiastic pogo sticks to confirm that humans do, in fact, achieve a temporary increase in height while airborne. Policy recommendations include updating driver's license height fields to include "jumping height" for accuracy.

Start Date: 2025-01-01

Needs Students: Yes

Needs Sponsors: No

Research ID: 1

Principal Investigator: Ria M

Contact Researcher

If You Close Your Eyes, Can You Still See?

Description: This double-blind (literally) study, supported by the Optical Obviousness Alliance, involved 120 volunteers sitting quietly in a room with their eyes closed. After extensive peer-reviewed napping, results indicated a significant decrease in visual input. The research team is now seeking funding for Phase II: "Can You Hear Less When You Cover Your Ears?"

Start Date: 2025-04-05

Needs Students: No

Sorting Research Opportunities - Search Bar: ID, keywords

show needs sponsors

4

Does the Sun Go Away at Night?

Description: With over \$1.2 million in telescope rentals, the Solar Disappearance Task Force confirmed that the sun does, in fact, leave at night and returns in the morning "like some continue.

Start Date: 2025-04-17

Needs Students: Yes

Needs Sponsors: No

Research ID: 4

Principal Investigator: Zareen

Contact Researcher

show needs sponsors

bassoon

Does playing the Bassoon make you more attractive?

Description: No. The answer is no - but we might as well test it and we have a budget of 8 million dollars.

Start Date: 2025-04-01

Needs Students: No

Needs Sponsors: No

Research ID: 5

Principal Investigator: Ria M

Contact Researcher

show needs sponsors

optical

If You Close Your Eyes, Can You Still See?

Description: This double-blind (literally) study, supported by the Optical Obviousness Alliance, involved 120 volunteers sitting quietly in a room with their eyes closed. After extensive peer-reviewed na input. The research team is now seeking funding for Phase II: "Can You Hear Less When You Cover Your Ears?"

Start Date: 2025-04-05

Needs Students: No

Needs Sponsors: Yes

Research ID: 2

Principal Investigator: Ria M

Contact Researcher

Close

Sorting Research Opportunities- Date

— — —

Welcome to Your Dashboard

Research Listings

☒

Sort by Date

☐

Show Needs Students

☐

Show Needs Sponsors

mm/dd/yyyy

Search by title, description, or listing ID...

Effects of Jumping Up and Down on Hight

Description: Funded by the Society of Temporary Altitude and approved by the National Bureau of Momentary Metrics, this study used high-speed cameras, laser measurements, and several enthusiastic pogo sticks to confirm that humans do, in fact, achieve a temporary increase in height while airborne. Policy recommendations include updating driver's license height fields to include "jumping height" for accuracy.

Start Date: 2025-01-01

Needs Students: Yes

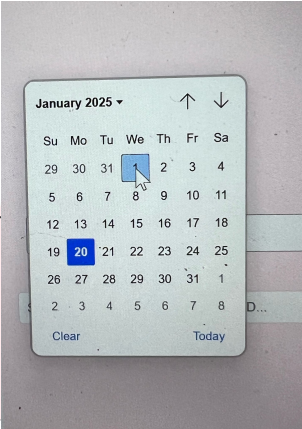
Needs Sponsors: No

Research ID: 1

Principal Investigator: Ria M

Contact Researcher

Close



Sorting Research Opportunities - Checkboxes

— — —

☒ Show Needs Sponsors

If You Close Your Eyes, Can You Still See?

Description: This double-blind (literally) study, supported by the Optical Obviousness Alliance, involved 120 volunteers sitting quietly in a room with their eyes closed. After extensive peer-reviewed napping, results indicated a significant decrease in visual input. The research team is now seeking funding for Phase II: "Can You Hear Less When You Cover Your Ears?"

Start Date: 2025-04-05

Needs Students: No

Needs Sponsors: Yes

Research ID: 2

Principal Investigator: Ria M

[Contact Researcher](#)

Does Holding Your Breath Make You Invisible?

Description: In a federally-funded pilot experiment run in collaboration with the Department of Perceptual Manipulation, 15 participants attempted to disappear by holding their breath near various observers, including one raccoon and a mall security guard. Despite high effort and several passed-out subjects, full invisibility was not observed. The control group, who simply yelled "you can't see me," reported slightly higher success rates.

Start Date: 2025-04-19

Needs Students: No

Needs Sponsors: Yes

Research ID: 3

Principal Investigator: Zareenah M

[Contact Researcher](#)


Contact Researchers Button: Auto-Draft Email Functionality

Research ID: 3

Principal Investigator: Zareenah M

Contact Researcher

Close

 Send

From: rmukherji@mail.smu.edu ▾

To

Z@gmail.com

Cc

Research Inquiry: Does Holding Your Breath Make You Invisible

]

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Sprint 1

User Stories Fulfilled: Sprint 1

- *As a user, I want to register and log in securely.*
→ Evidenced by the “Registration and Login” screenshot
- *As a user, I want the system to be secure and limited to SMU users.*
→ Evidenced by the “Safety Parameters” and “Safety Parameters Continued” screenshots
- *As a researcher, I want a database to store my research expertise.*
→ Evidenced by the “Database View” screenshot (initial structure implemented)

Registration and Login

— — —

Research Management System

Login

Register

Create Account

Big Bird

bigbird@sesamestreet.com

...

...

Researcher



Register

Registration successful!

Research Management System

Login

Register

Login

bigbird@sesamestreet.com

...

Login

Welcome Big Bird! (RESEARCHER)

Safety Parameters

Research Management System

Login

Register

Login

bigbird@sesamestreet.com

...

Login

Invalid password

Research Management System

Login

Register

Create Account

Elmo

elmos



Please include an '@' in the email address. 'elmos' is missing an '@'

...

Student



Register

Safety Parameters Continued

— — —

Research Management System

Login

Register

Create Account

Elmo

elmo@elmo.com

...

...

Student



Register

Passwords do not match!

Database View

The screenshot shows a database client interface with a dark theme. At the top, a sidebar on the left shows a tree view of the database structure, including a connection to '@localhost' and a 'db_project' database. The main area is split into two panes. The top pane shows a SQL query editor with the following content:

```
12  
13 DESCRIBE users;  
14 SELECT * FROM users;  
15
```

The bottom pane shows the 'Output' tab for the query 'swesprint.users'. It displays a table with 5 rows and 5 columns: id, email, name, password, and role. The table data is as follows:

	id	email	name	password	role
1	1	r@gmail.com	Ria M	123	RESEARCHER
2	2	z@gmail.com	Zareenah M	123	RESEARCHER
3	3	s@gmail.com	Serap O	123	SPONSOR
4	4	c@gmail.com	Claudia P	123	STUDENT
5	5	bigbird@sesamestreet.com	Big Bird	123	RESEARCHER

Below the table, there is a status bar showing '5 rows' and various navigation icons. The bottom of the interface shows a 'Services' section with a tree view of the database structure, including a connection to '@localhost' and a 'db_project' database. The bottom of the interface shows a 'Services' section with a tree view of the database structure, including a connection to '@localhost' and a 'db_project' database.