

# Campus Insider

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COS 457 / COS 557

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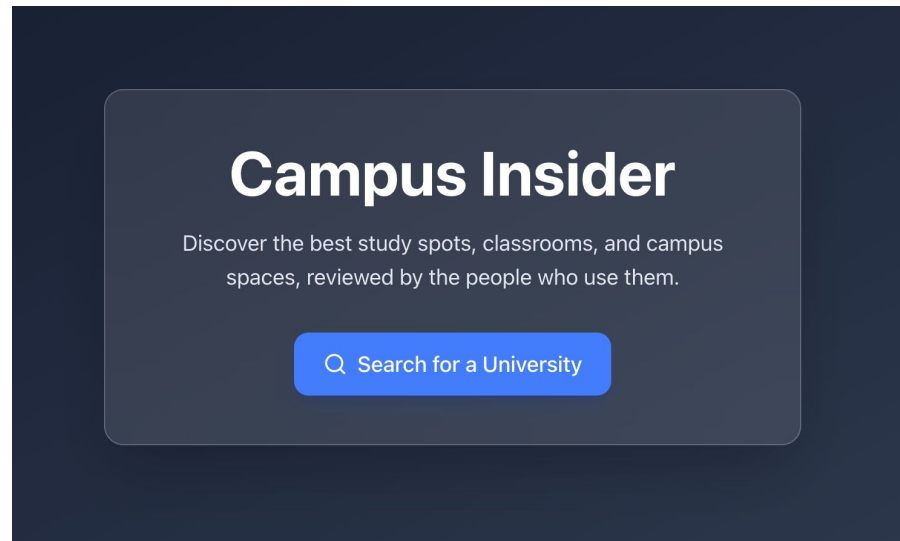
# Overview: What we hoped to achieve

Goal: Create easy to use system to see and rate university locations.

- Ability to see Ratings of all rooms/locations
- Search and filter by Equipment in rooms
- Search and filter by Accessibility for locations
- Ability to search using other parameters such as ratings, building, etc.

# What we ended up doing

- University Search
  - Filter by state
- Location Search within universities
  - Filter by type, campus, building, rating, etc.
- Submit Ratings to University locations



# Web App Architecture

Database:

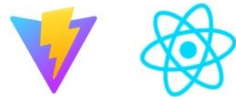
- MySQL

Backend:

- Flask

Frontend:

- Vite + React



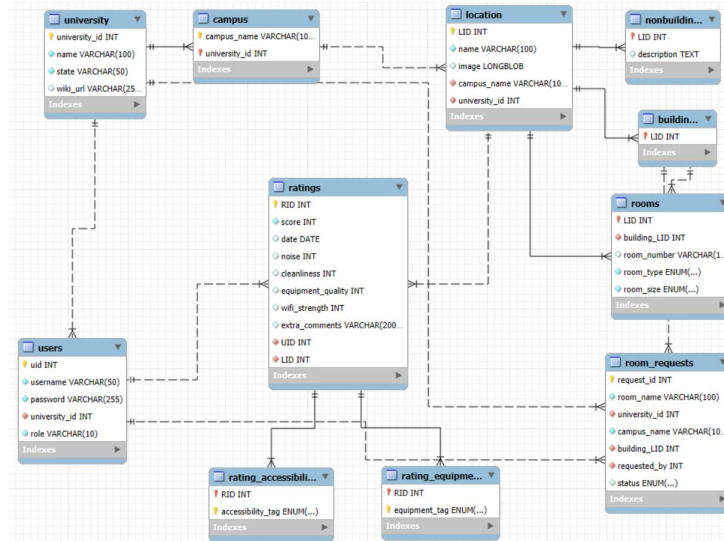
**Vite + React**



# Database

- Easy to use
- No migration needed
- Intuitive software (although old)

We wanted to keep the schema of the database to a minimum and focus on the importance of each relation. Ratings are the center connecting locations and users



# Web application

## Search for Locations at University of Southern Maine

Q Search for a university location... [Filters](#)

**Location Type**

☐ Room ☐ Building ☐ NonBuilding

**Campus**

Search by campus...

[Search by Rating](#)

| Location Name | Type | Campus | Building    |
|---------------|------|--------|-------------|
| Room 205      | Room | Gorham | Bailey Hall |
| Room 206      | Room | Gorham | Bailey Hall |

## Glickman Library

University of Southern Maine | Type: Building | Campus: Portland | Building: -

**6.5**  
Average Score

**student** @ University of Southern Maine  
*Great library with tons of books!*

**9** **2** **5** **3** **3**  
Score Noise Clean Equip WiFi

**Equipment:**

[whiteboard](#) [desktop computers](#) [printer](#)

**Accessibility:**

[wheelchair accessible](#) [elevator access](#) [wide doorways](#)

**visitor** @ Southern Maine Community College  
*It's ok*

**4** **3** **3** **2** **2**  
Score Noise Clean Equip WiFi

**Equipment:**

[bike rack](#)

[Add Rating](#)

# Lessons learned

- Having some experience in web development is crucial for implementing the database with the frontend and backend.
- Gained valuable experience that offers insight into how database are made and implemented; future planning and projects with databases will be easier.
- Can't plan out everything, expect things to go wrong or not work. Above all be adaptable.

Questions?