

# Free On Campus Resources

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<https://github.com/xiolian/Free-On-Campus-Resources>

# Project Description



Free On Campus resource



Users can provide input on their desired resource type or specific resource item desired



Using user input, database will sort through data and pull list of locations that offer specific resource type or specific item



Custom Data collected through accessing school websites and campus locations

# Use Cases



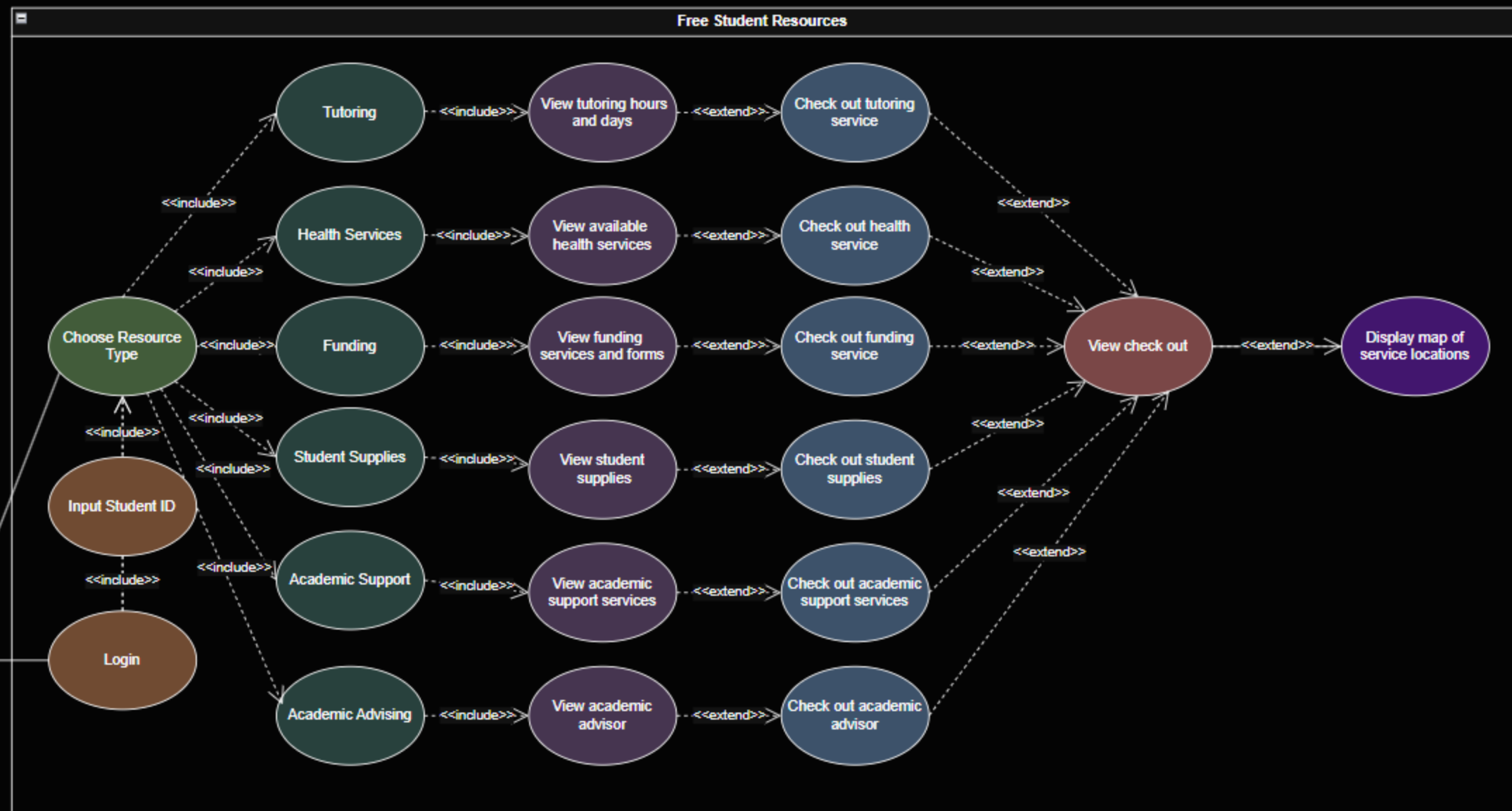
## User

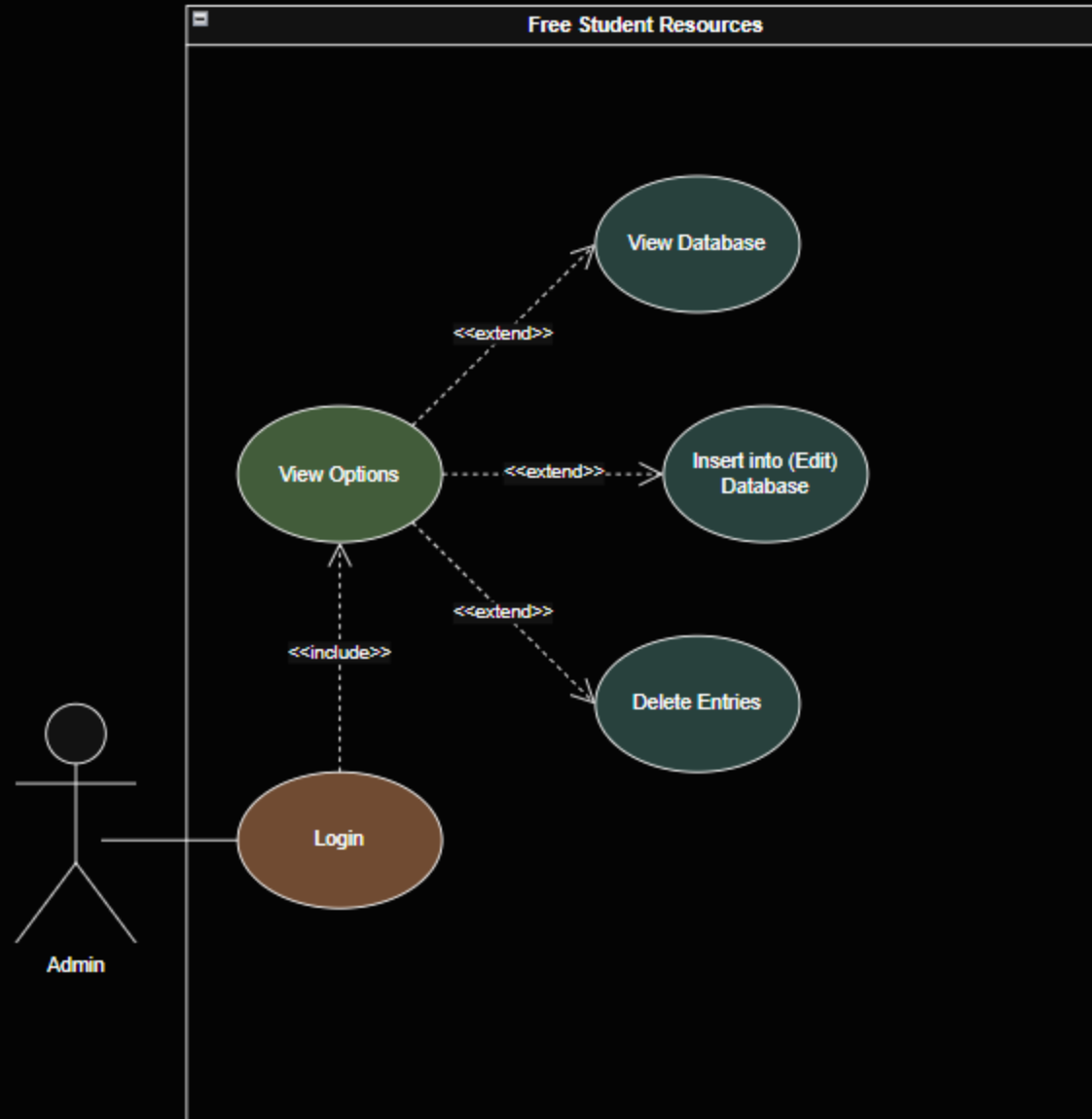
- View return from query
- Put item on checklist for items desired
- Generate Google Map with icon pins
- Default is no login, login is to save info



## Admin

- Able to view, update, edit, delete data from database





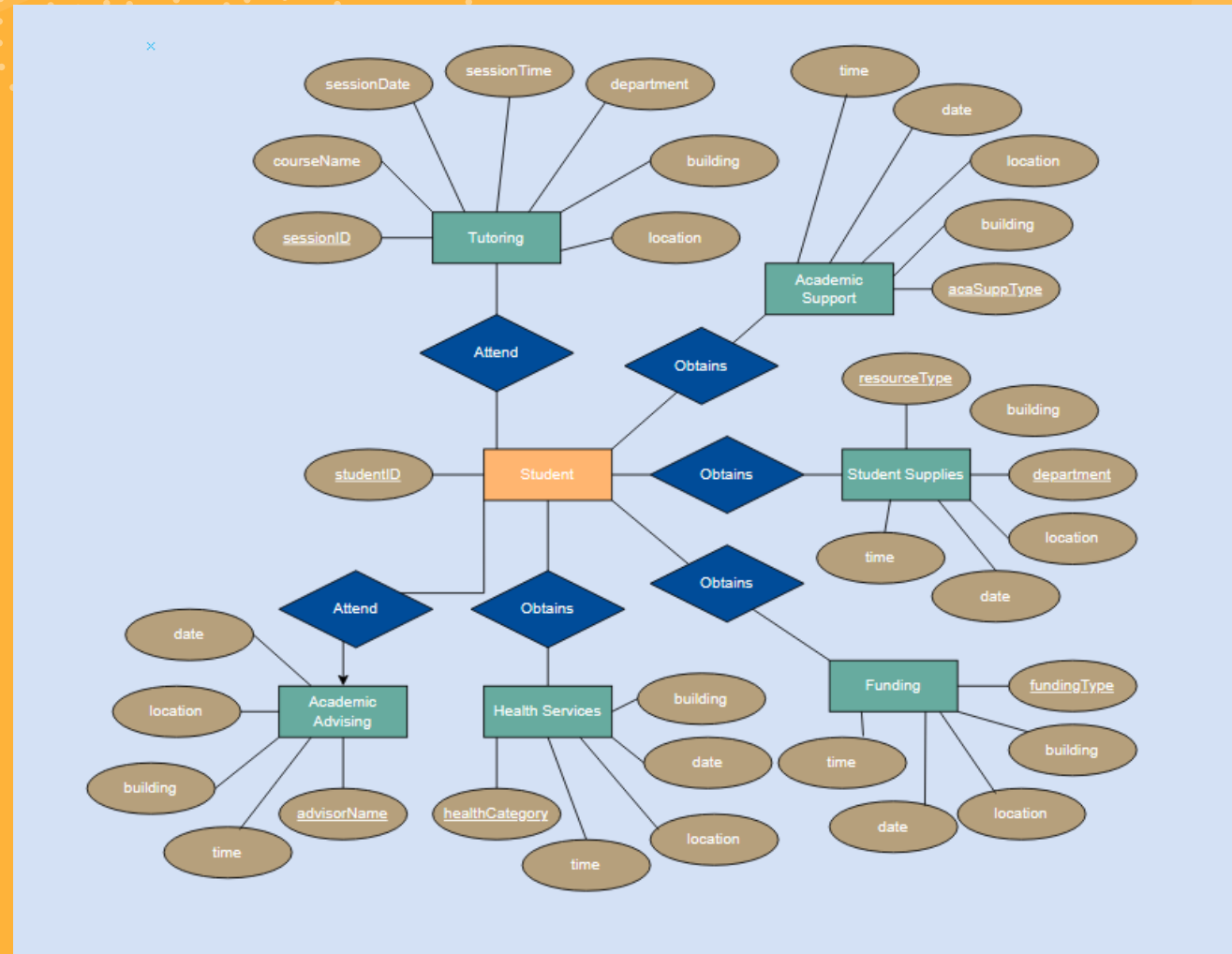
# E/R Diagram

## Entities:

- Most entities are connected to the Student
  - Student
  - Tutoring
  - Academic Support
  - Academic Advising
  - Student Supplies
  - Funding
  - Health Services

## Relationship:

- Most entities contain a many-to-many relationship with the student entity.
  - (Logic: A student can attend many tutoring sessions. A tutoring session can have many students)



# Schema: Entities for Student Resources

## Health Services

healthCategory

building

location

date

time

## Funding

fundingType

building

location

date

time

## Student

studentID

studentName

## Academic Advising

advisorName

building

location

date

time

## Academic Support

acaSuppType

building

location

date

time

## Tutoring

sessionID

courseName

sessionDate

sessionTime

department

building

location

## Student Supplies

resourceType

department

building

location

date

time

## Schema: Relationships (Record) of Student Resources

Student Supplies Record	Tutoring Record	Funding Record	Academic Support Record	Health Record
<u>studentID</u>	<u>studentID</u>	<u>studentID</u>	<u>studentID</u>	<u>studentID</u>
<u>resourceType</u>	<u>sessionID</u>	<u>fundingType</u>	<u>acaSuppType</u>	<u>healthCategory</u>
<u>department</u>	location	location	location	location
date		date	date	date
time		time	time	time



# Link for User Case and E/R

<https://github.com/xiolian/Free-On-Campus-Resources>

# Implementation Details

- Front End
  - React, HTML, CSS
- Back End
  - SQLite
- Language
  - Javascript, HTML, CSS

# Bonus Feature

- Google My Maps
- [Similar](#) to Campus Welfare Map Project
- Generate a Google Map list with description of what item at each location using checklist
- Embed multiple location pins on a single map
- Use custom markers for different resource type
- Automatically center the map on the user's location
- Has resource locator functionality and route planning