# Project Pitch: Being Human in STEM

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Client: Professor Jaswal

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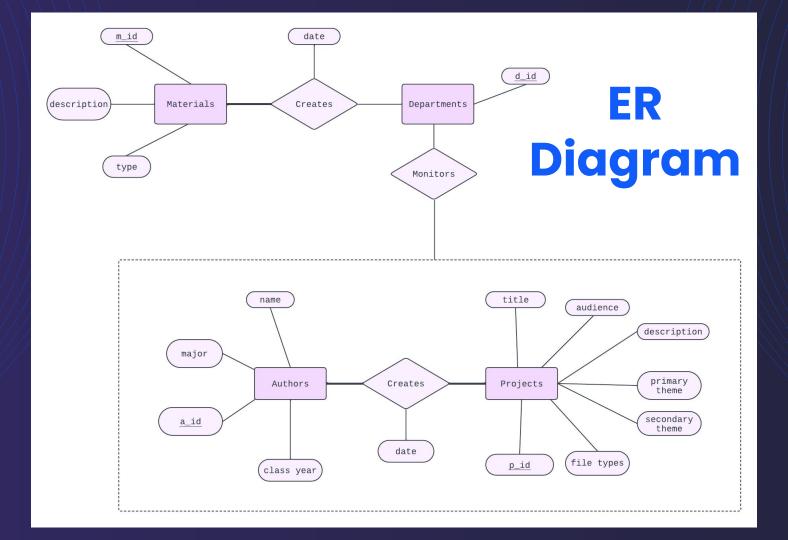
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## **Database Description**

- **Being Human in STEM (HSTEM):** investigates issues of racism and equity in STEM through community engagement
- Goals:
  - o Organize the existing data in a more accessible manner
  - Information searchable using tags
  - o "Living" hub; adaptable and easily modifiable
  - Final Product: a web application for our HSTEM clients
  - Database audience: Amherst students/faculty & beyond

#### **Current State of Data**

- Google Drive folders
  - Based on a specific iteration of HSTEM (e.g. year and semester)
  - Variety of file types
    - PDFs, JPG images, Google Slide files, Google Document files, Excel spreadsheets, MP4 video recordings, etc.
  - Current hub contained within Excel spreadsheets
    - Master sheet w/ All HSTEM Projects
- Data organization not very effective; hard to manage and access.



#### Software & Deliverables

- Deliverable: web application
- Front-end: JavaScript-based React
- Back-end: ExpressJS + PostgreSQL
- Hosted on: Amazon Web Services (AWS)
- Functionalities: (Keyword) Search + CRUD,
- **Limitations**: scalability, complexity, applicable to all file types



### Further Questions & Next Steps





#### **Further Questions**

- Implementation of user permissions and authentication
- Making items more accessible in the HSTEM database

#### **Next Steps**

- Short-term: learn technologies involved
- Long-term: populate database + create web application

# Any Questions or Feedback?