Project Pitch: Being Human in STEM

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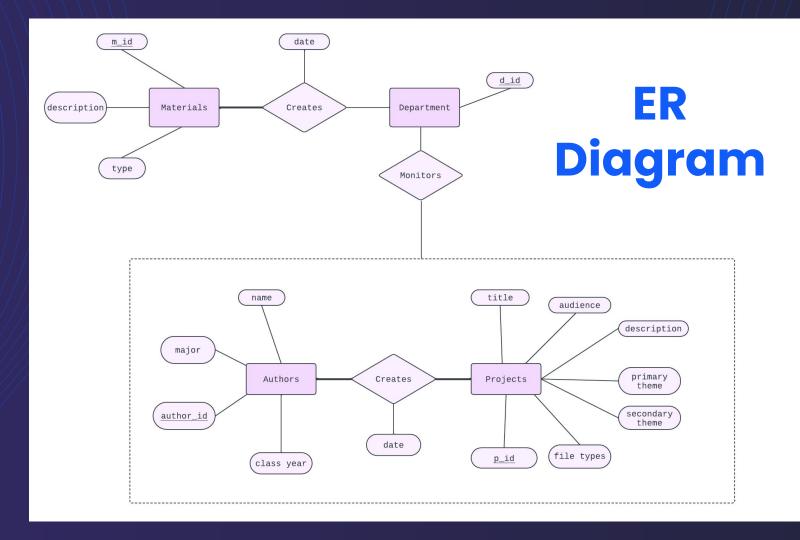
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Database Description

- **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 access and authentication
- Accessibility of items in the HSTEM database

Next Steps

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

Any Questions or Feedback?