Team Name: Team Ca$hMoney
Project Manager: Joshua Weiner
Team Roster: Britni Canale, Max Millar, Kaitlin Wan, Joshua Weiner
Project Name: EduEngine

Background:

Our project is meant to be a cross between online networking and crowdfunding site, with a specific focus on colleges. By connecting alumni directly to student clubs, projects, and ventures, we hope to initiate the connection between them to change the way student initiatives are funded. Oftentimes, universities will hand out a limited number of stipends for interested students, but this is in no way a guarantee of funding for anything: from ventures to extra-curricular activities. We believe that instead of donating to some vague, large, endowment, alumni are much more interested in making an impact in similar areas as to what they were interested. The listing on our site hope to connect them to these. Furthermore, for student ventures we hope to partner alumni capital firms with the teams as to generate funding well before any of the traditional structures take place. We hope that the links established via our platform not only help student-ventures circumnavigate the entire mess of startup funding, but also connect interested investors and alumni, as well as help students pursue their interests.

Program Components:

General:
- ❖ Create account
  - ➢ Student:
    - ■ Require unique .edu email
      - ● Verification email
    - ■ Require unique phone number
    - ■ Require listing of school
    - ■ Require upload of student ID
    - ■ Require Graduation Year
    - ■ Require D.O.B

  - ➢ Administration:
    - ■ Set Up "SCHOOL"
    - ■ Require upload of ID
    - ■ Require unique .edu email
  - ➢ Alumni:
    - ■ Require unique email
    - ■ Require unique phone number
    - ■ Require school graduated from
    - ■ Require graduation year
    - ■ Require D.O.B
- ❖ Log In

❖ Browse projects
  ➢ Projects from ALL different schools (randomly pick 5 funded projects)
  ➢ Refresh

After Logging In:
❖ Student:
  ➢ Verify account
  ➢ Requires a .edu email
  ➢ Student HomePage
    ■ Show personal
  ➢ Create a project
    ■ Requirements: Goal, Title, Description, Category, Tags
  ➢ Set Profile Attributes
  ➢ Projects:
    ■ Add updates to project (check ins)
    ■ Verification of project
  ➢ Message Box
    ■ Review Report
    ■ Message Alumni/Admin
  ➢ Report Form
    ■
  ➢ Is it done?

❖ Admin:
  ➢ Set Up School
  ➢ View user reports
  ➢ Delete Projects
  ➢ Ban Users
  ➢ Message Users

❖ Alumni:
  ➢ Browse possible projects
  ➢ See Progress of Project
  ➢ Chat
  ➢ Report People
  ➢ View Project Funding

❖ Tools
  ➢ D3 or Chart.js→ Money bar
    ■ AJAX functions to help us push and pull funding offers to the database without putting extra strain on our python backend components
  ➢ Paypal / Payment Placeholder → Transfer money between Alumni and Students

- ➢ Bootstrap → FEF
- ➢ SQLite3 → Passwords & Data
  - ■ Use SQLAlchemy to implement database abstraction
  - ■ Use Flask-migrate to introduce version control into the changing of database schema, preventing corruption of user data and giving more power to the development team to roll-back faulty changes or implement successful ones.
- ➢ College Database → School lookup
- ➢ Flask-mail → sending email verifications, password resets, communicating between alum & students, notifications
- ➢ Alchemy →
  - ■ Query table objects, associated columns are treated as objects
  - ■ More simple, no need to write query scripts
  - ■ Much better relational databases, ties entries in tables to entries in different tables (instead of linking w/ user ID), tables can be chained
  - ■

Database Schema:
(*) Indicates function dependent on use of SQLAlchemy

USERS

User Type	Email (edu)	Verified?	Password	Name	PayPal Link	College ID	Profile Picture	User ID	Projects *
TEXT	TEXT	BOOLEAN	TEXT	TEXT	TEXT	INTEGER	TEXT	INTEGER	LINK to Projects table

PROJECTS

Title	Descriptio	User ID	Goal	Current	Project ID	College ID

	n		Amount	Amount		
TEXT	TEXT	INTEGER	FLOAT	FLOAT	INTEGER	INTEGER

TRANSACTIONS

Donor	Project Owner	Project ID	Amount Given	Projects*
INTEGER	INTEGER	INTEGER	FLOAT	Link to Projects Table

REPORTS

Reporter	Description	Project ID	Project Owner	Report ID	Report Type (dropdown)
INTEGER	TEXT	INTEGER	INTEGER	INTEGER	INTEGER

MESSAGES

Sender	Receiver	Timestamp	Body
INTEGER	INTEGER	DATETIME	TEXT

COLLEGES**

College Name	College Color	College Logo	College ID
TEXT	TEXT	TEXT	INTEGER

**May be modified once we find the datasets we want to use.

Component Map:
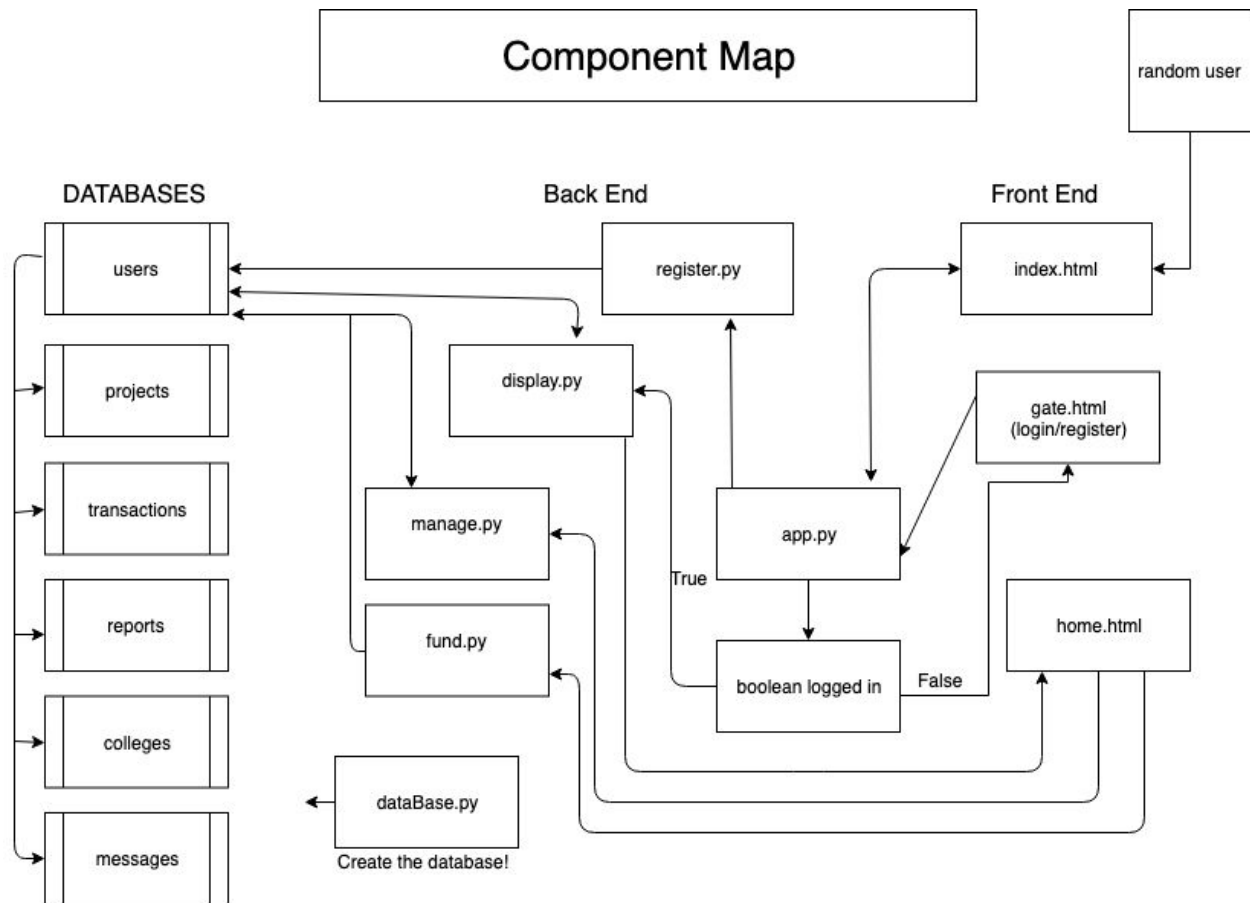
Site Map:
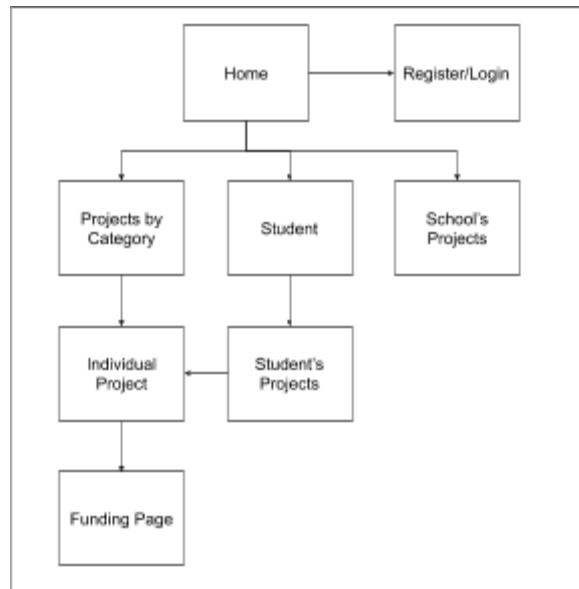
Roles:
Joshua Weiner: Project Manager
Kaitlin Wan: Front End
Britni Canale: Backend
Max Millar: Databases