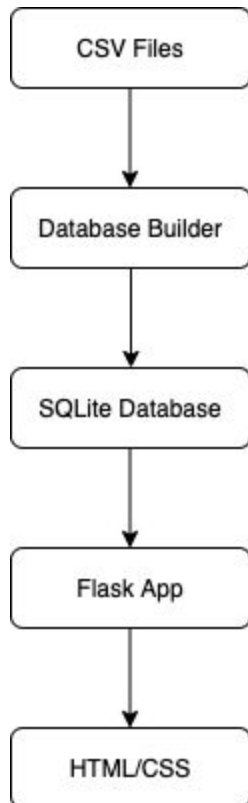Team KOCY -- Liam Kronman, Stella Oh, William Yin, Jason Chan
SoftDev
P0 -- quick! Quick!
2020-12-18

PROGRAM COMPONENTS AND ROLES
- **Sqlite Database**: stores data tables of information that is displayed on pages
- **CSV**: data saved in a tabular format that will be stored into SQLite Database
- **Flask**: framework for website and takes data from database and inserts it into HTML
- **Database Builder**: Constructs the database from CSV files
- **HTML/CSS**: template and design of front-end pages the user interacts with
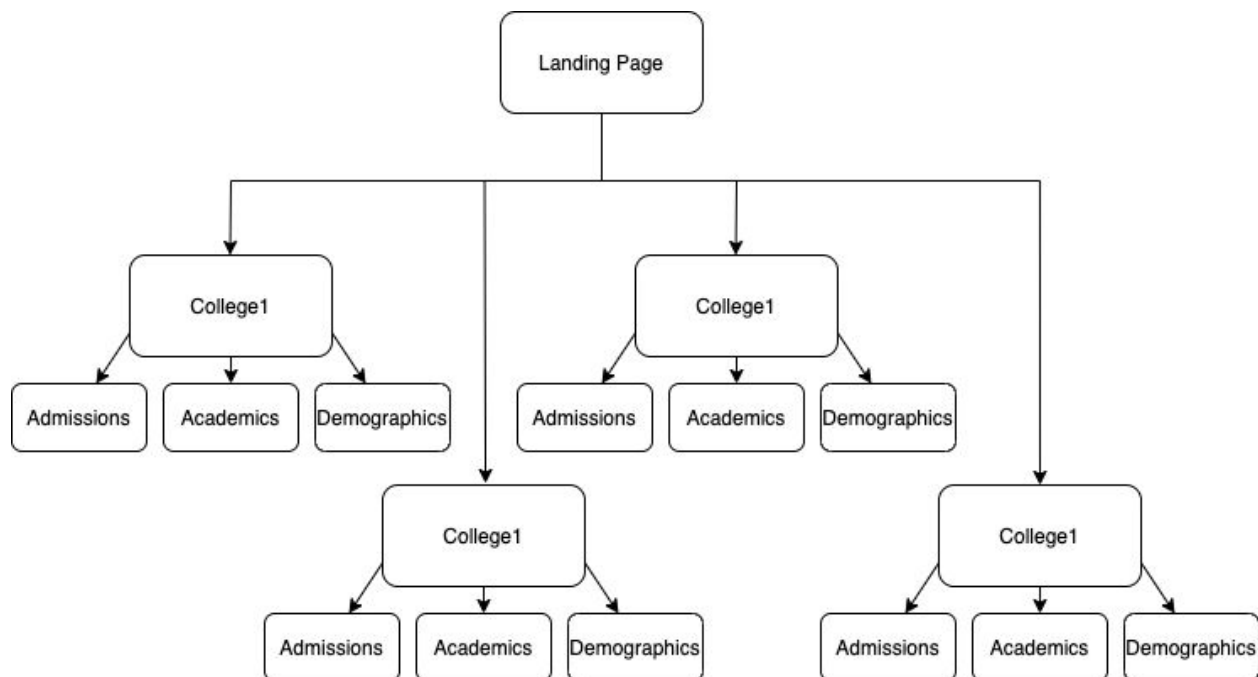
COMPONENT MAP

DATABASE ORGANIZATION
- Colleges table
    - Id INTEGER
    - School URL TEXT
    - Name TEXT
    - Location TEXT
    - Student Body Size INTEGER

- ○ Private or Public INTEGER (0 for public, 1 for private)
  - ○ Summary TEXT
- ● Admissions table
  - ○ Acceptance Rate INTEGER
  - ○ Average Price INTEGER
  - ○ Student to Faculty Ratio TEXT
  - ○ Regular Decision Deadline TEXT
- ● Academics Table
  - ○ Schools TEXT
  - ○ Majors TEXT
- ● Demographics Table (paths to images)
  - ○ Ethnicity TEXT
  - ○ Gender TEXT
  - ○ Age TEXT

FRONT END MAP

TASKS
- ● CSV
  - ○ Colleges table (Stella)
  - ○ Admissions table (Liam)
  - ○ Academics table (Jason)
  - ○ Demographics table (William)
- ● SQLite Database (Jason)

- ○ Database Builder in python
- ● Flask app (William, Liam)
  - ○ Create app.py
  - ○ Set up routes
  - ○ Plan folder structure
- ● HTML/CSS (Stella)
  - ○ Template for landing page
  - ○ Template for college display page
  - ○ Template for admissions
  - ○ Template for academics
  - ○ Template for demographics