- Open questions:
    - Frontend design: material UI maybe?
    - Queries getting complex ⇒ how will we handle complexity?
    - Further feedback

- Entities

    1. student(student_email, major, primary_reason, language_proficiency)
    2. location(location_name, primary_language, country)
    3. program(program_name)
    4. student_program(student_email, program_name, term)
    5. program_location(program_name, location_name)
    6. personal_reflection(pr_id, Goals_reflections, growth, challenges, new_perspectives)

- Relations

    1. Participates_in(student_email, program_name, term, Language Proficiency after, amount_spent, city_affordability, extracurriculars, courses_taken, courses_type, influencing_factors, attitudes_diff, attitudes_diff_comments, orientation_description, res_staff_avail, res_staff_comment, housing_acc, housing_acc_comment, academic_exc_avail, academic_exc_rating, academic_exc_comments, leisure_exc_avail, leisure_exc_rating, leisure_exc_comments, recommendation_rating, recommendation comments)
    2. Is_about(pr_id, student_email, program_name, term)

SQL Query:

```
CREATE TABLE student (
    student_email VARCHAR(255) PRIMARY KEY,
    major VARCHAR(255),
    primary_reason VARCHAR(255),
```

```
        language_proficiency VARCHAR(255)
);

CREATE TABLE location (
    location_name VARCHAR(255) PRIMARY KEY,
    primary_language VARCHAR(255),
    country VARCHAR(255),
);

CREATE TABLE program (
    program_name VARCHAR(255) PRIMARY KEY,
);

CREATE TABLE student_program (
    student_email VARCHAR(255),
        program_name VARCHAR(255),
        term VARCHAR(255),
    PRIMARY KEY (student_email, program_name, term),
    FOREIGN KEY (student_email) REFERENCES student(student_email),
    FOREIGN KEY (program_name) REFERENCES program(program_name)
);

CREATE TABLE program_location (
    program_name VARCHAR(255),
    location_name VARCHAR(255),
```

```
    PRIMARY KEY (program_name),
    FOREIGN KEY (program_name) REFERENCES program(program_name),
    FOREIGN KEY (location_name) REFERENCES location(location_name)
);


CREATE TABLE participates_in (
    student_email VARCHAR(255),
    program_name VARCHAR(255),
    term VARCHAR(255),
    language_proficiency_after VARCHAR(255),
    amount_spent INT,
    city_affordability TEXT,
    extracurriculars TEXT,
    courses_taken TEXT,
        courses_type VARCHAR(255),
    influencing_factors VARCHAR(255),
    attitudes_diff BOOLEAN,
    attitudes_diff_comments TEXT,
        orientation_description TEXT,
    res_staff_avail BOOLEAN,
    res_staff_comment TEXT,
    housing_acc BOOLEAN,
    housing_acc_comment TEXT,
    academic_exc_avail BOOLEAN,
    academic_exc_rating VARCHAR(255),
```

```
    academic_exc_comments TEXT,
    leisure_exc_avail BOOLEAN,
    leisure_exc_rating VARCHAR(255),
    leisure_exc_comments TEXT,
    PRIMARY KEY (student_email, program_name),
    FOREIGN KEY (student_email) REFERENCES student(student_email),
    FOREIGN KEY (program_name) REFERENCES program(program_name)
);

CREATE TABLE Is_about (
    pr_id INT,
    student_email VARCHAR(255),
    program_name VARCHAR(255),
    goals_reflections TEXT,
    growth TEXT,
    challenges TEXT,
    new_perspectives TEXT,
    recommendation_rating INT,
    recommendation_comments TEXT,
    PRIMARY KEY (pr_id, student_email, program_name),
    FOREIGN KEY (student_email, program_name, term) REFERENCES
participates_in(student_email, program_name)
    ON DELETE CASCADE
);
```