**# Concordia Student Information System**

![Project Banner](https://via.placeholder.com/1200x400?text=Concordia+Student+Information+System)

A web application for managing student information at Concordia University, built with Laravel.

**## Features**

- Student CRUD operations (Create, Read, Update, Delete)

- City management

- Responsive design with Bootstrap

- Data validation

- Database seeding with factories

- RESTful routing

**## Technologies Used**

- Laravel 9.x

- PHP 8.0+

- MySQL

- Bootstrap 5

- Composer

- Node.js (for frontend assets)

**## Installation**

**### Prerequisites**

- PHP 8.0 or higher

- Composer

- MySQL

- Node.js (for frontend assets)

**### Setup Steps**

1. Clone the repository:

   git clone https://github.com/vaish-1995/Concordia40001114.git

   cd Concordia140001114

2. Install PHP dependencies:

    composer install

3. Install JavaScript dependencies:

    npm install

4.  Create a copy of the .env file:

    cp .env.example .env

5.  Generate application key:

    php artisan key:generate

6. Configure your database in .env:

    DB\_CONNECTION=mysql

    DB\_HOST=127.0.0.1

    DB\_PORT=3306

    DB\_DATABASE=concordia\_db

    DB\_USERNAME=root

    DB\_PASSWORD=

7. Run migrations and seeders:

    php artisan migrate --seed

8.  Compile frontend assets:

    npm run dev

9.  Start the development server:

    php artisan serve

10. Access the application at:

    http://localhost:8000

Concordia[40001114]/

├── app/

│   ├── Http/Controllers/StudentController.php

│   ├── Models/

│   │   ├── Student.php

│   │   └── City.php

├── database/

│   ├── factories/

│   ├── migrations/

│   └── seeders/

├── resources/

│   ├── views/

│   │   ├── students/

│   │   │   ├── index.blade.php

│   │   │   ├── create.blade.php

│   │   │   ├── show.blade.php

│   │   │   └── edit.blade.php

│   │   └── layouts/

│   │       └── app.blade.php

├── routes/

│   └── web.php

└── public/

    ├── css/

    └── js/

**## Database Structure**

**### Tables**

**#### `cities`**

- **\*\*id\*\***: Primary key (integer, auto-increment).

- **\*\*name\*\***: Name of the city (string).

- **\*\*timestamps\*\***: Automatically managed `created\_at` and `updated\_at` fields.

**#### `students`**

- **\*\*id\*\***: Primary key (integer, auto-increment).

- **\*\*name\*\***: Name of the student (string).

- **\*\*address\*\***: Address of the student (text).

- **\*\*phone\*\***: Phone number of the student (string).

- **\*\*email\*\***: Email address of the student (string, unique).

- **\*\*date\_of\_birth\*\***: Date of birth of the student (date).

- **\*\*city\_id\*\***: Foreign key referencing the `id` field in the `cities` table.

- **\*\*timestamps\*\***: Automatically managed `created\_at` and `updated\_at` fields.

**## Contributing**

1. Fork the project.

2. Create your feature branch: git checkout -b feature/YourFeature

3. Commit your changes:  git commit -m 'Add some feature'

4. Push to the branch: git push origin feature/YourFeature

5. Open a Pull Request.