Concordia Student Directory Project Documentation

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# 1. Commands Used

* laravel new Concordia40215672
* php artisan make:model City -m
* php artisan make:model Student -m
* php artisan make:controller StudentController --resource
* php artisan make:factory StudentFactory --model=Student
* php artisan make:seeder CitySeeder
* php artisan migrate
* php artisan db:seed
* php artisan serve
* git init
* git remote add origin https://github.com/AdrianoSilvestre808/Concordia-Student-Directory.git
* git add .
* git commit -m "Initial commit"
* git branch -M main
* git push -u origin main

# 2. GitHub Repository Link

GitHub Repo: https://github.com/AdrianoSilvestre808/Concordia-Student-Directory

# 3. Pages Summary

|  |  |  |
| --- | --- | --- |
| Route | View File | Description |
| / | index.blade.php | Displays the list of all students |
| /students/create | create.blade.php | Form to create a new student entry |
| /students/{id} | show.blade.php | Displays details of a selected student |
| /students/{id}/edit | edit.blade.php | Form to edit an existing student |

# 4. Project Highlights

- The project uses Laravel 12.x and PHP 8.2.

- A `layout.blade.php` file provides consistent styling and layout.

- Views use Bootstrap 5 and Google Fonts for a modern UI.

- CRUD operations (Create, Read, Update, Delete) are fully functional.

- Form validation is implemented for both create and edit forms.

- Database seeding includes 15 cities and 100 randomly generated students.

- All data relationships and foreign key constraints are respected.

- The project has been pushed to a public GitHub repository.

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# GitHub Repository Link

GitHub Repo: <https://github.com/AdrianoSilvestre808/Concordia-Student-Directory-pt2>

# Part 2 - Extended Functionality (Pt.2)

## Commands Used (Part 2)

* php artisan make:model User -m
* php artisan make:model ForumPost -m
* php artisan make:controller AuthController
* php artisan make:controller ForumPostController --resource
* php artisan make:middleware SetLocale
* php artisan make:middleware EnsureUserIsLoggedIn
* php artisan make:factory UserFactory --model=User
* php artisan make:migration add\_user\_id\_to\_students\_table --table=students
* php artisan make:seeder UserSeeder
* php artisan make:migration add\_name\_to\_users\_table --table=users
* php artisan make:migration add\_created\_at\_to\_forum\_posts --table=forum\_posts
* php artisan migrate
* php artisan db:seed
* php artisan tinker (used to create users and update encrypted passwords)
* php artisan migrate
* php artisan serve
* git init
* git remote add origin https://github.com/AdrianoSilvestre808/Concordia-Student-Directory.git
* git add .
* git commit -m "Initial commit"
* git branch -M main
* git push -u origin main

# Pages Summary (Pt. 2)

|  |  |  |
| --- | --- | --- |
| Route | View File | Description |
| /login | |  | | --- | | auth/login.blade.php |  |  | | --- | |  | | |  | | --- | | Login page for students. |  |  | | --- | |  | |
| /dashboard | |  | | --- | | dashboard.blade.php |  |  | | --- | |  | | |  | | --- | | Dashboard with student info and navigation. |  |  | | --- | |  | |
| /forum | |  | | --- | | forum/index.blade.php |  |  | | --- | |  | | Lists all forum posts |
| /forum/create  /forum{id}  /lang/{locale} | |  | | --- | | forum/create.blade.php  forum/show.blade.php  layout/app.blade.php |  |  | | --- | |  | | Form to create a new forum post (English/French).  Shows details of a single forum post.  Switches the application language. |

# Project Highlights (Pt.2)

* Fully implemented **user login system** using AuthController.
* Users are linked to students through a foreign key (student\_id).
* All **passwords are securely encrypted** using bcrypt().
* A **bilingual system** is implemented, allowing content in English and French.
* Language can be toggled via a lang/{locale} route and persists across pages.
* Students can post, view, edit, and delete **forum posts**.
* Only the author of a forum post can edit or delete it (access control enforced).
* Forum post structure includes bilingual fields: title\_en, title\_fr, content\_en, content\_fr.
* Interface uses **Bootstrap 5** for a clean, modern layout.
* Middleware ensures locale is set and routes are protected.
* **All forms include validation** (e.g., login, forum post creation, student updates).
* Laravel Tinker was used to manually insert users with encrypted passwords.
* Database migrations, seeders, and factories support all added functionality.

# User Log-in accounts for trials (Pt.2)

Account 1

Email : [waino@example.com](mailto:waino@example.com)

Password: yourpassword

Student name: Waino Wolf

Account 2

Email: [user123@example.com](mailto:user123@example.com)

Password: password

Student name : John Doe

# GitHub Repository Link

GitHub Repo: <https://github.com/AdrianoSilvestre808/Concordia-Student-Directory-pt2>