Feedback Collection System for Online Classes

This project is a server-side application for managing online courses and collecting feedback. It uses **Prisma** as the ORM for database interactions and provides functionality to create, retrieve, and manage courses.

hosted url

Live

Features

- **Course Management**:
  - Create new courses with details such as name, description, duration, and slug.
  - Retrieve a list of all courses.
  - Retrieve details of a specific course by its slug.
- **Default Course Population**:
  - Populate the database with default courses for testing or initial setup.
- project uses mongdb but you can setup any database of your choice
- **Tech Stack**
  - NextJs latest with server actions
  - Prisma ORM
  - JWT to tokens
  - MongoDb but you can use any database suported by Prisma
  - Tailwind Css with ShadCn
  - React-hook-form with zod

Project Structure

Key Files and Directories

- `src/actions/course.ts`: Contains functions for managing courses, including creating, retrieving, and populating default courses.
- `src/lib/prisma.ts`: Configures and initializes the Prisma Client for database interactions.
- `prisma/schema.prisma`: Defines the database schema and models.

API Documentation

1. **Get All Courses**

Retrieves a list of all courses, ordered by creation date.

Function: `getCourses()`

Response:

- Success: Returns an array of course objects.
- Error: Throws an error if no courses are found or if the operation fails.

2. **Get a Specific Course**

Retrieves details of a specific course by its slug.

Function: `getCourse(slug: string)`

Parameters:

- `slug` (string): The unique identifier for the course.

Response:

- Success: Returns the course object.
- Error: Throws an error if the course is not found or if the operation fails.

3. **Create a New Course**

Creates a new course with the provided details.

Function: `createCourse(formData: FormData)`

Parameters:

- `formData` (FormData): Contains the following fields:
  - `name` (string): The name of the course (required).
  - `description` (string): A brief description of the course (required).
  - `duration` (string): The duration of the course (required).
  - `slug` (string): A unique identifier for the course (optional, auto-generated if not provided).

Response:

- Success: Returns the created course object.
- Error: Throws an error if any required fields are missing or if the operation fails.

4. **Populate Default Courses**

Populates the database with a predefined set of courses.

Function: `defaultCourses()`

Response:

- Success: Inserts multiple default courses into the database.
- Error: Throws an error if the operation fails.

Installation & Setup

1. **Clone the Repository**:

```
git clone <repository-url>
cd feedback-collection-for-online-courses
```

Getting Started

First, run the development server:

```
npm install
# then
npm run dev
# or
yarn dev
# or
pnpm dev
# or
bun dev
```

Set Up the Database:

Configure your database connection in the .env file:

```
DATABASE_URL=your-database-url
```

Run Prisma migrations to set up the database schema:

```
npx prisma migrate dev
npx prisma generate
npx prisma db push
```

Error Handling

- Database Errors: Errors related to database operations are logged to the console and rethrown with user-friendly messages.
- Validation Errors: Missing or invalid input data results in descriptive error messages with react hook form and zod.

Screenshots

Course Feedback

We value your feedback! Please share your thoughts on the course you've taken.

Full Name *

Enter your full name

Email Address *

your.email@example.com

Course Taken *

Select a course ⌄

Comments *

Please share your experience, suggestions, or any other feedback...

0/500

Submit Feedback

Feedback Dashboard
Monitor and analyze course feedback submissions

Submit Feedback   Export Data

Total Feedback	Average Rating	Unique Students	Most Popular Course
6	**2.00/5.0** Needs improvement	**3** Across all courses	**Fullstack Development With React** 2 submissions

Student	Course	Duration	Rating	Date	Comments
Clinton Ngotta clintonngotta@gmail.com	Fullstack Development With React	6 months	5/5 ★★★★★	2025-04-29T13:41:45.224Z	Awesome full stack course taken me short time but ...
Clinton Ngotta clintonngotta@gmail.com	Fullstack Development With React	6 months	0/5 ☆☆☆☆☆	2025-04-29T13:38:48.933Z	Awesome full stack course
Test User test@gmail.com	Backend Development With Node.Js	4 months	0/5 ☆☆☆☆☆	2025-04-29T13:35:10.158Z	Node Js course was awesome
Test User test@gmail.com	Database Management With MongoDB	3 months	0/5 ☆☆☆☆☆	2025-04-29T13:33:44.669Z	mongo db was a great option
Clinton Ngotta clintonngotta@gmail.com	Database Management With MongoDB	3 months	4/5 ★★★★☆	2025-04-29T09:00:37.754Z	Amazing course with full features on mongo db, cov...
Clinton Ngotta clinton@gmail.com	Backend Development With Node.Js	4 months	3/5 ★★★☆☆	2025-04-29T08:22:38.857Z	This is an awesome course