

Main Prompt Used in Claude.ai

J I am in the process of making a app called "tapedeck" for a final project in a database course. I am using Python to make a locally hosted full stack web app that meets the requirements and criteria outlined below.

General Project Requirements:

1. The project must be of sufficient complexity such that it requires at least 6 tables
2. The app must satisfy the 8 requirements (defined below)
3. The project should use an ORM such as SQLAlchemy

Tapedeck Requirements:



1. User can add songs to their list
2. User can assign rating, notes, or mood to a song in their list
3. User can add a rated song to a playlist
4. User can collaborate with other users on a playlist
5. User can filter songs based on rating/mood/genre/artist
6. User can edit existing song notes and ratings and adjust them
7. User can add custom moods to their mood table.
8. User can edit their email/profile information.

Following is the file structure of my project. I have provided many of the files already in this structure. Please generate any remaining necessary files.

TapeDeck Project Structure

```
tapedeck/
|
├─ app.py           # Main application file
├─ config.py        # Configuration settings
├─ models.py        # Database models
├─ forms.py         # Form definitions
├─ routes.py        # Route definitions
├─ helpers.py       # Helper functions
├─ instance/        # Instance-specific data
│   └─ tapedeck.db  # SQLite database
|
├─ static/          # Static files
│   └─ css/
│       └─ style.css # Custom styles
│       └─ js/
│           └─ main.js # Custom JavaScript
|
└─ templates/       # HTML templates
    ├─ base.html    # Base template
    ├─ home.html    # Home page
    ├─ login.html   # Login page
    ├─ register.html # Registration page
    ├─ profile.html # User profile page
    ├─ songs.html   # Song list and management
    ├─ playlists.html # Playlist management
    └─ playlist_detail.html # Single playlist view
```

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Standard bug-fix interaction with AI tool:

jsandish/
TapeDeck
master

GITHUB

J

I have the attached app. I am getting this error: `jinja2.exceptions.UndefinedError: 'forms.LoginForm object' has no attribute 'username'`

I can see the issue in your code. The error occurs because in your `login.html` template, you're trying to access a field called `username` on your `LoginForm` class, but this form only has `email` and `password` fields.

Let's create a fix for this issue:

Modified LoginForm in forms.py
Code

```
class LoginForm(FlaskForm):
    email = StringField('Email',
                        validators=[DataRequired(),
                                    Email()])
    password = PasswordField('Password',
                             validators=[DataRequired()])
    submit = SubmitField('Log In')
```

Typical method of prompting new feature:

jsandish/
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J

Add a feature to be able to search for songs in the song page

I'll add a search feature to the songs page in your TapeDeck application. This will allow users to search for songs by name, artist, or album. Let me implement this feature:

First, I'll modify the `routes.py` file to include search functionality in the songs route:

Updated songs route in routes.py
Code

```
@app.route('/songs')
@login_required
def songs():
    # Filter parameters
    rating_filter = request.args.get('rating')
    mood_filter = request.args.get('mood_id')
    genre_filter = request.args.get('genre')
```