



UNIVERSITY OF  
**LEICESTER**

## **School of Computing and Mathematical Sciences**

### **CO7201 Individual Project**

#### **Interim Report**

#### **DanceFlow: Personalized Dance Sequence Builder and Scheduler**

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### **DECLARATION**

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# Overview

Over the past few weeks, a significant progress has been made in the development of the project “DanceFlow: Personalized Dance Sequence Builder and Scheduler”. The implementation of essential features like user authentication, Role based access control, Profile Management, Admin dashboard with CRUD operations for dance moves has been completed, and the database has been setup for the collection of users and dance moves according to the time plan. The key challenges include authentication issues and role-based access control, to overcome these I have used the tools like JWT for secure authentication, Express.js, Node.js and JavaScript for the backend development.

## Progress

Requirements	Progress
User Authentication	Completed
Role Based Access Control	Completed
Profile Management	Completed
Database Setup for Dance moves	Completed
User Dashboard with Dance Moves Listing	Completed
CRUD operations for Admin	Completed
Sequence creation	In Progress
CRUD operations for Users	In Progress
Advanced search features	Pending
Calendar & Progress tracking	Pending
AI recommendations	Pending
Community features	Pending
Testing	Pending
Final Submission	Pending

# Changes to Initial plan

The initial plan was updated in the project’s time plan to swap the order of Calendar Integration, Progress Tracking, and AI Recommendations. Additionally, the AI Recommendations feature was modified to an Auto-Recommendation System using AI logic. These changes were implemented to better align with project priorities.

## Updated Time plan

