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CSCI 428

STACC Management Requirements

We will be creating a Club Management system built using Java. It will help us track members, events, attendance, and transactions for the Science Technology and Computing Club (STACC).

Requirements

- Member Management: Add, update, and delete members.
- Event Management: Schedule, update, and delete club events
- Attendance Tracking: Record member attendance at events
- Transactions: Track payments and dues.

Design

Database: DBMS can include SQLite, Postgre, or XML files.

UI: Mostly backend but should be able to handle frontend while aesthetically pleasing.

Dev Setup

1. JDK
2. IDE
3. GIT

Implementation

- Member Management
 - UI: forms for adding, updating and deleting
 - Implementation of data access object for managing member data in DMBS
 - Required 'Member' class with appropriate properties such as name, email etc.
- Event Management
 - Required 'Event' class with appropriate properties such as title, date, location and description. Can also contain social bool
 - DAO for managing event data
 - UI: Create forms for scheduling and managing events
- Attendance Tracking
 - Can be done by linking member and event classes. Can make an 'Attendance' class.

- DAO functionality to record attendance
 - UI: Simple check system per event
- Transactions
 - Update 'Member' class or create a 'Dues' class to track payments.
 - DAO functionality to record and update dues payments
 - UI: section to manage and view dues status

Testing

Testing of models and DAOs. Also conduct manual testing using UI for overall system functionality

Documentation

System design and code (comments & Jira/Atlassian)