

Project Part 3

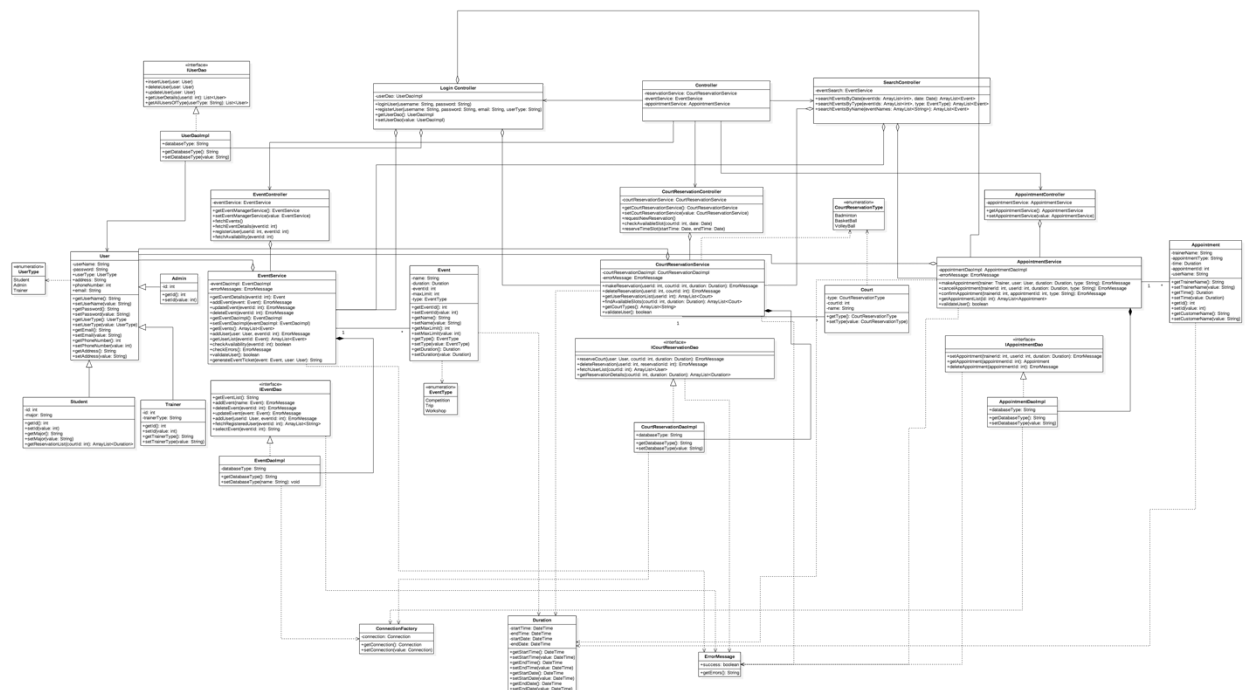
1. Project:

Rec-Center Management System and 37. Dixit Patel, Swathi Upadhyaya, Yuvraj Arora.

Our vision here is to build a sports center management system for a university sports center that caters to the health and fitness services of customers.

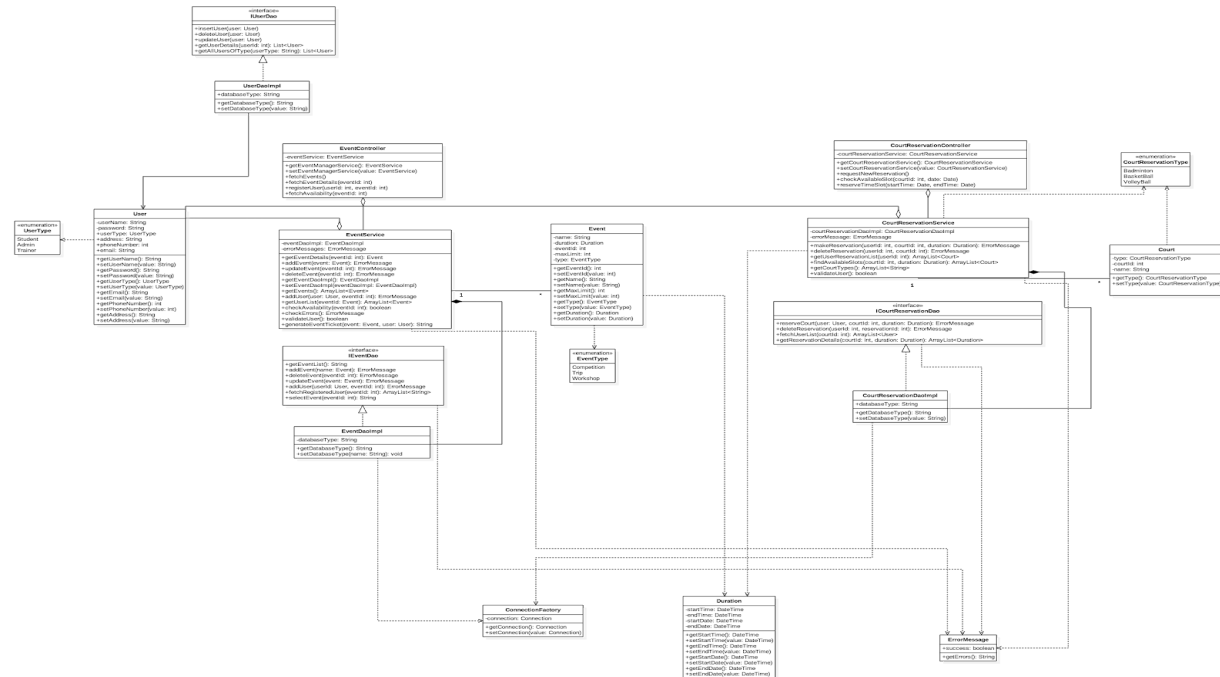
Apart from registering for the service (includes LogIn/LogOut), it provides basic facilities to the users like reserving courts, equipment and requesting for a coach. It also allows users to check out and participate in the competitions and events that take place in the center. The website will be accessible to the users, Sports administrator, the trainer and the maintenance staff. The system has two user profiles – Student Profile and the Guest Profile.

2. Previous class diagram:



(Included high-res image in github repo)

3. Completed Class diagram:



(Included high-res image in github repo)

4. Summary:

We modified the class diagram according to the feedback provided, started with creating our database in MySQL, a connection factory to get the database connection and implemented the DAO interfaces for the user, event and the court repository. Implementation for one of the use case - reserving a court is in progress.

5. Breakdown:

Dixit Patel - Implemented the classes that interact with the database for the event repository. Updated the class diagrams.

Swathi Upadhyaya – Implemented the classes that interact with the database for user repository and connection factory class for connecting to the MySQL database.

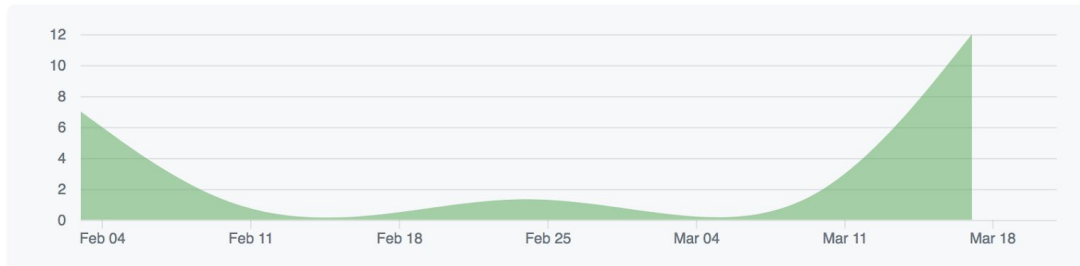
Yuvraj Arora – Implemented the classes that interact with the database for the court repository. Also, implemented reservation of court use case partly.

6. GitHub Graph:

Feb 4, 2018 – Mar 22, 2018

Contributions: **Commits** ▾

Contributions to master, excluding merge commits



7. Estimate Remaining Effort:

Our estimate for successful completion of the project is around 4 weeks.

8. Next Iteration:

Our next iterations would be as follows:

- Implement all the other use case scenarios and incorporate the design patterns learnt.
- Implement controller and service classes.
- Refactor to Spring Framework.