Project Part 1

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b. **GitHub names**:

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c. **Title**: **Rec-Center Management System** – A web application that provides access to customers to avail fitness services and amenities from a well-equipped sports studio of a university.

d. **Description**: Our goal 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 systems has two user profiles – Student Profile and the Guest Profile.

e. **Actors**: Customer (Students + Guest), Sports Administrator, Trainer, Maintenance Staff

Note : There will be two profiles for the Rec-Center Management System. One of them is the Student Profile and the other profile is the Guest Profile which is for external customers. The word "customers" will refer to both student and guest profiles unless one of them is specifically mentioned.

f. **Functionality**:

1. Customers can register for a new account in the Rec-Center Management System.

2. Customers/Staff/Admin/Trainer can login into an/ logout from an existing account in the Rec-Center Management System.

3. Customers can request for an appointment with a personalized trainer for any of the sport available in the Rec-Center.

4. Customers can reserve a Sports court – Badminton, Tennis, Basketball in the Rec-Center.

5. Customers can reserve any of the gym equipment- Squat Station, Bench Press, Treadmill, Exercise Bikes in the Rec-Center.

6. Customers can participate in an upcoming event organized by the Rec-Center.

7. The trainer can accept an appointment requested by the customer.

8. The trainer can deny an appointment requested by the customer.

9. The maintenance staff can view the inventory and order items to replenish the inventory in the Rec-Center.

10. The administrator can organize new events in the Rec-Center.

11. Customers (Only Guest Profiles) can subscribe for weekly, monthly, quarterly and yearly membership plans.

12. Customers (Only Guest Profiles) can make payment for the above selected plans using a Card payment method.

13. Customers can reserve a parking lot in the Rec-Center.

14. Customers can rent a locker in the Rec-Center.

15. Customers can become a member of any Sports Club – Yoga, Dance, Swimming, Cycling.

Stretch functionality –

16. The Administrator can create, view and update timesheets for Rec-Center Staff.

17. Customers can search for a trainer by name for requesting an appointment.

18. Customers can provide reviews for the facilities provided in the Rec-Center.