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Deliverable 1

*** The quotes - " " - implies the program will pose a query to the user and wait for an input response. ***

Main Menu
1. Course
2. Student
3. Garage
4. Staff
5. Infrastructure

Course Sub Menu
1.1. Create Course
1.2. Edit Course
1.3. Delete Course
1.4. Course (Report)
1.5. Weekly Schedule of Courses (Report)

Create Course Sub Menu
1.1.1. Course Name
1.1.2. Course ID
1.1.3. Course Type
1.1.4. Course Date
1.1.5. Course Capacity
1.1.6. Course Description
1.1.7. Course Cost

Edit Course Sub Menu
1.2.1. "Choose which course you'd like to edit:" (Enter ID)
1.2.2. Course Name
1.2.3. Course ID
1.2.4. Course Type
1.2.5. Course Date
1.2.6. Course Capacity

1.2.7. Course Description
1.2.8. Course Cost

Delete Course Sub Menu
1.3.1. "Choose which course you'd like to delete:" (Enter ID)

Course Report Sub Menu - Show all students (name and ID) enrolled and whether they've paid or not
1.4.1. "Choose which course to generate a report for:" (Enter ID)

Weekly Schedule of Courses Sub Menu (Report)
1.5.1. "What is the start date?"

Student Sub Menu
2.1. Manage Student
2.2. Student Enrollment

Manage Student Sub Menu
2.1.1. Create Student
2.1.2. View Students
2.1.3. Edit Student
2.1.4. Delete Student
2.1.5. Student (Report)

Create Student Sub Menu
2.1.1.1. Student Name
2.1.1.2. Student ID
2.1.1.3. Student Datebirth
2.1.1.4. Student Address
2.1.1.5. Student Phone

View Students Sub Menu - Show list of all students (names and ID)

Edit Student Sub Menu
2.1.3.1. "Choose which student you'd like to edit:" (Enter ID)
2.1.3.2. Student Name
2.1.3.3. Student ID
2.1.3.4. Student Datebirth
2.1.3.5. Student Address
2.1.3.6. Student Phone

Delete Student Sub Menu
2.1.4.1. "Choose which student you'd like to delete:" (Enter ID)

Student Report Sub Menu - Show list of past and present courses student is enrolled in and payment information
2.1.5.1. "Choose which student you'd like to generate a report for:" (Enter ID)

Student Enrollment Sub Menu
    2.2.1. Enroll Student
    2.2.2. Unenroll Student

Enroll Student Sub Menu
    2.2.1.1. "Choose which student you'd like to enroll:" (Enter ID)
    2.2.1.2. "Choose which course to enroll this student in:" (Enter ID)

Unenroll Student Sub Menu
    2.2.2.1. "Choose which student you'd like to unenroll:" (Enter ID)
    2.2.2.2. "Choose which course to unenroll this student from:" (Enter ID)

Garage Sub Menu
    3.1. Create Bike
    3.2. View Bikes
    3.3. Edit Bike
    3.4. Delete Bike
    3.5. Assign Bike
    3.6. Unassign Bike
    3.7. Bike (Report)

Create Bike Sub Menu
    3.1.1. Bike VIN
    3.1.2. Bike License Plate
    3.1.3. Bike Brand
    3.1.4. Bike CC
    3.1.5. Bike Broken
    3.1.6. Bike Type

View Bikes Sub Menu - Show list of all bikes (ID, brand, cc) and their status (broken)

Edit Bike Sub Menu
    3.3.1. "Choose which bike you'd like to edit:" (Enter ID)
    3.3.2. Bike VIN
    3.3.3. Bike License Plate
    3.3.4. Bike Brand
    3.3.5. Bike CC
    3.3.6. Bike Broken
    3.3.7. Bike Type

Delete Bike Sub Menu
    3.4.1. "Choose which bike you'd like to delete:" (Enter ID)

Assign Bike Sub Menu
    3.5.1. "Choose which bike you'd like to assign:" (Enter ID)
    3.5.2. "Choose which course to assign this bike to:" (Enter ID)

Unassign Bike Sub Menu
    3.6.2. "Choose which bike you'd like to unassign:" (Enter ID)
    3.6.3. "Choose which course you'd like to unassign from:" (Enter ID)

Bike Report Sub Menu - Show list of past and present bike repair (problem_date, repair_date, description, cost, and what courses it is assigned to)
    3.7.2 "Choose which bike you'd like to see a report for:" (Enter ID)

Staff Sub Menu
    4.1. Coach

Coach Sub Menu
    4.1.1. Create Coach
    4.1.2. View Coaches
    4.1.3. Edit Coach
    4.1.4. Delete Coach
    4.1.5. Assign Coach
    4.1.6. Unassign Coach
    4.1.7. View Coach Schedule

Create Coach Sub Menu
    4.1.1.1. Coach Name
    4.1.1.2. Coach ID
    4.1.1.3. Coach Datebirth
    4.1.1.4. Coach Address
    4.1.1.5. Coach Phone
    4.1.1.6. Coach Classroom
    4.1.1.7. Coach Dirt Bike
    4.1.1.8. Coach Street Bike

View Coaches Sub Menu - Show list of all coaches (names and ID)

Edit Coach Sub Menu
    4.1.3.1. "Choose which Coach you'd like to edit:" (Enter ID)
    4.1.3.2. Coach Name
    4.1.3.3. Coach ID
    4.1.3.4. Coach Datebirth

4.1.3.5. Coach Address
4.1.3.6. Coach Phone
4.1.3.7. Coach Classroom
4.1.3.8. Coach Dirt Bike
4.1.3.9. Coach Street Bike

Delete Coach Sub Menu
4.1.4.1. "Choose which coach you'd like to delete:" (Enter ID)

Assign Coach Sub Menu
4.1.5.1. "Choose which coach you'd like to assign:" (Enter ID)
4.1.5.2. "Choose which course to assign this coach to:" (Enter ID)
(If Street Bike) 4.1.5.3. "Choose which section to assign this coach to:" (Enter "classroom", "range", or "both")

Unassign Coach Sub Menu
4.1.6.1. "Choose which coach you'd like to unassign:" (Enter ID)
4.1.6.2. "Choose which course you'd like to unassign from:" (Enter ID)
(If Street Bike) 4.1.6.3. "Choose which section to unassign coach from:" (Enter "classroom", "range", or "both")

View Coach Schedule Sub Menu
4.1.7.1. Specific Coach Schedule
4.1.7.2. Availability Schedule

Specific Coach Schedule Sub Menu - Show coach schedule across 7 days beginning at start date
4.1.7.1.1. "Choose which coach you'd like to view the schedule for:" (Enter ID)
4.1.7.1.2. "What is the start date?"

Availability Schedule Sub Menu - Show all available coaches for chosen date
4.1.7.2.1. "What is the date?" (Enter Date)
4.1.7.2.2. "What section?" (Enter "classroom", "dirt bike", or "street bike")

Infrastructure Sub Menu
5.1. Range
5.2. Classroom

Range Sub Menu
5.1.1. Create Range
5.1.2. View Ranges
5.1.3. Edit Range
5.1.4. Delete Range
5.1.5. Assign Range

5.1.6. Unassign Range
5.1.7. View Range Schedule

Create Range Sub Menu
    5.1.1.1. Range ID
    5.1.1.2. Range Type
    5.1.1.3. Range Available

View Ranges Sub Menu - Show list of all ranges (ID, type, and assignment)

Edit Range Sub Menu
    5.1.3.1. "Choose which range you'd like to edit:" (Enter ID)
    5.1.3.2. Range ID
    5.1.3.3. Range Type
    5.1.3.4. Range Available

Delete Range Sub Menu
    5.1.4.1. "Choose which range you'd like to delete:" (Enter ID)

Assign Range Sub Menu
    5.1.5.1. "Choose which range you'd like to assign:" (Enter ID)
    5.1.5.2. "Choose which course to assign this range to:" (Enter ID)

Unassign Range Sub Menu
    5.1.6.1. "Choose which range you'd like to unassign:" (Enter ID)
    5.1.6.2. "Choose which course you'd like to unassign from:" (Enter ID)

View Range Schedule Sub Menu
    5.1.7.1. Specific Range Schedule
    5.1.7.2. Availability Schedule

Specific Range Schedule Sub Menu - Show range schedule across 7 days beginning at start date
    5.1.7.1.1. "Choose which range you'd like to view the schedule for:" (Enter ID)
    5.1.7.1.2. "What is the start date?"

Availability Schedule Sub Menu - Show all available ranges for chosen date
    5.1.7.2.1. "What is the date?" (Enter Date)

Classroom Sub Menu
    5.2.1. Create Classroom
    5.2.2. View Classrooms
    5.2.3. Edit Classroom
    5.2.4. Delete Classroom

5.2.5. Assign Classroom
5.2.6. Unassign Classroom
5.2.7. View Classroom Schedule

Create Classroom Sub Menu
5.2.1.1. Classroom ID
5.2.1.2. Classroom Capacity
5.2.1.3. Classroom Available

View Classroom Sub Menu - Show list of all classrooms (ID and assignment)

Edit Classroom Sub Menu
5.2.3.1. "Choose which classroom you'd like to edit:" (Enter ID)
5.2.3.2. Classroom ID
5.2.3.3. Classroom Capacity
5.2.3.4. Classroom Available

Delete Classroom Sub Menu
5.2.4.1. "Choose which classroom you'd like to delete:" (Enter ID)

Assign Classroom Sub Menu
5.2.5.1. "Choose which classroom you'd like to assign:" (Enter ID)
5.2.5.2. "Choose which course to assign this classroom to:" (Enter ID)

Unassign Classroom Sub Menu
5.2.6.1. "Choose which classroom you'd like to unassign:" (Enter ID)
5.2.6.2. "Choose which course you'd like to unassign from:" (Enter ID)

View Classroom Schedule Sub Menu
5.2.7.1. Specific Classroom Schedule
5.2.7.2. Availability Schedule

Specific Classroom Schedule Sub Menu - Show range schedule across 7 days beginning at
start date
5.2.7.1.1. "Choose which classroom you'd like to view the schedule for:" (Enter ID)
5.2.7.1.2. "What is the start date?"

Availability Schedule Sub Menu - Show all available classrooms for chosen date
5.2.7.2.1. "What is the date?" (Enter Date)