A close up of a sign

Description automatically generated

**Cpts 322: Software Engineering Principles I  
Dr. Haipeng Cai**

**Project Milestone 3**

Coding Girls and a Manager

|  |  |
| --- | --- |
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\*powered by draw.io

1. **A close up of text on a white background

   Description automatically generatedClass Diagram\***
2. **Package Diagram\*  
   A screenshot of a cell phone

   Description automatically generated**
3. **CRC Index Cards**

|  |  |
| --- | --- |
| **UserManagement** | |
| **Responsibility:** | **Collaborator:** |
| users[] | User |
| addUser() | User |
| editUser() | User |
| delUser() |  |
| viewUsers() | Administrator |

|  |  |
| --- | --- |
| **Administrator** | |
| **Responsibility:** | **Collaborator:** |
| privileges[] |  |
| getPrivileges() |  |
| addPrivileges() | Administrator |
| delPrivileges() | Administrator |

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| --- | --- |
| **Trainer** | |
| **Responsibility:** | **Collaborator:** |
| title |  |
| getTitle() |  |
| setTitle() | Administrator |

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| **Customer** | |
| **Responsibility:** | **Collaborator:** |
| membership |  |
| isMembership() |  |
| setMemership() | PaymentService |

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| **TrainingManagement** | |
| **Responsibility:** | **Collaborator:** |
| trainingSchds[] | TrainingSession |
| addTrainingSess() | Trainer |
| editTrainingSess() | Trainer |
| delTrainingSess() | Trainer |
| viewTrainingSchd() | Administrator, Customer |
| assignTrainingSess() | Customer |
| dropTrainingSess() | Customer |

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| --- | --- |
| **TrainingSession** | |
| **Responsibility:** | **Collaborator:** |
| id |  |
| instructorId | Trainer |
| date |  |
| location |  |
| capacity |  |
| participants[] | Customer |
| getId() | TrainingManagement |
| getInstructorId() | TrainingManagement |
| getDate() | TrainingManagement |
| getLocation() | TrainingManagement |
| getCapacitiy() | TrainingManagement |
| setInstructorId() | Trainer |
| setDate() | Trainer |
| setLocation() | Trainer |
| setCapacity() | Trainer |
| addParticipant() | Customer |
| delParticipant() | Customer |

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| --- | --- |
| **ReportManagement** | |
| **Responsibility:** | **Collaborator:** |
| bodyFatRpts[] | BodyFatReport |
| addBodyFatRpt() | Trainer |
| editBodyFatRpt() | Trainer |
| delBodyFatRpt() | Trainer |
| viewBodyFatReport() | Trainer, Customer |

|  |  |
| --- | --- |
| **BodyFatReport** | |
| **Responsibility:** | **Collaborator:** |
| id | TrainingSession |
| userId |  |
| date |  |
| analysis[] |  |
| getId() | TrainingManagement |
| getUserId() | TrainingManagement |
| getDate() | TrainingManagement |
| getAnalysis() | TrainingManagement |
| setUserId() | Trainer |
| setDate() | Trainer |
| setAnalysis() | Trainer |