Washington State University

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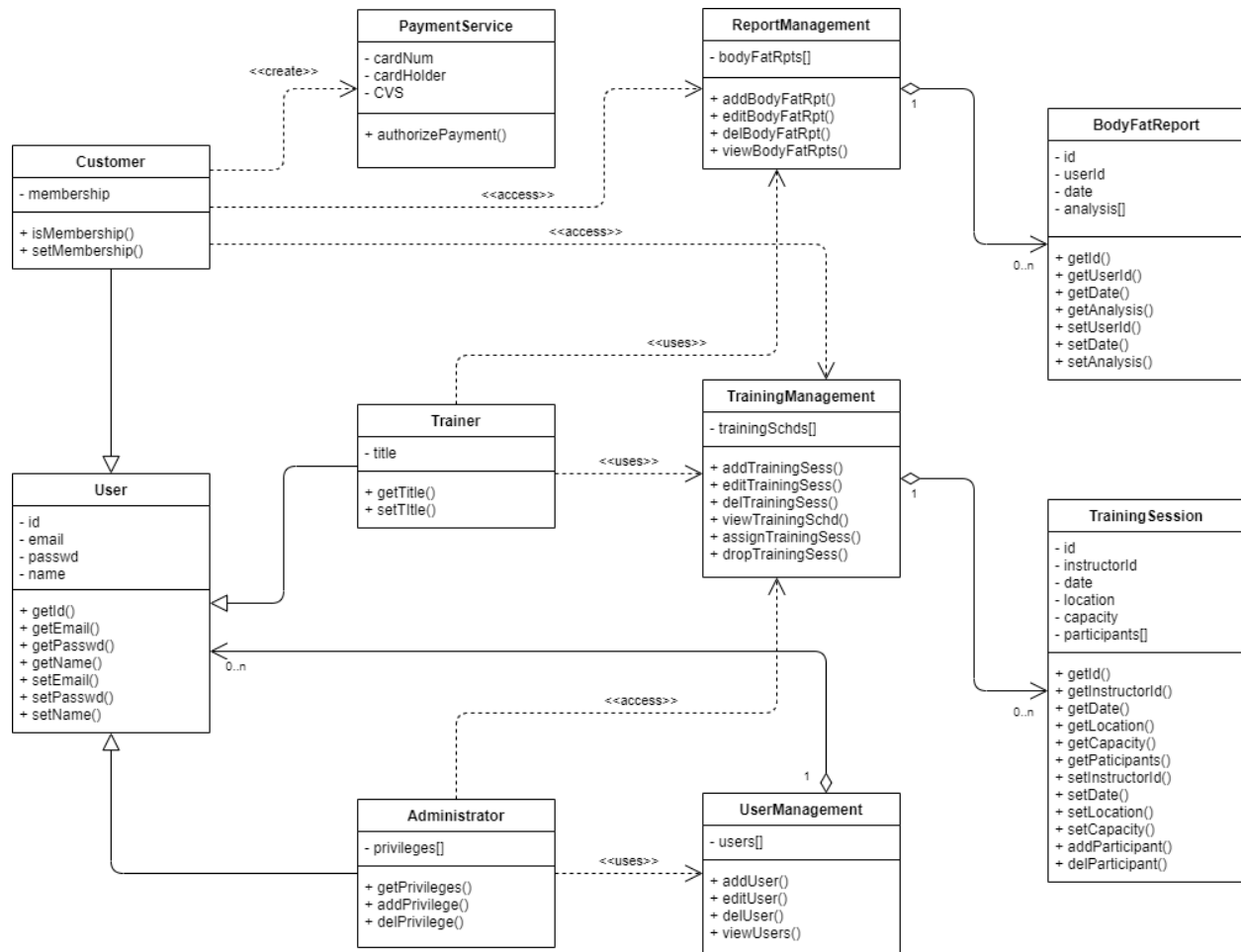## Dr. Haipeng Cai

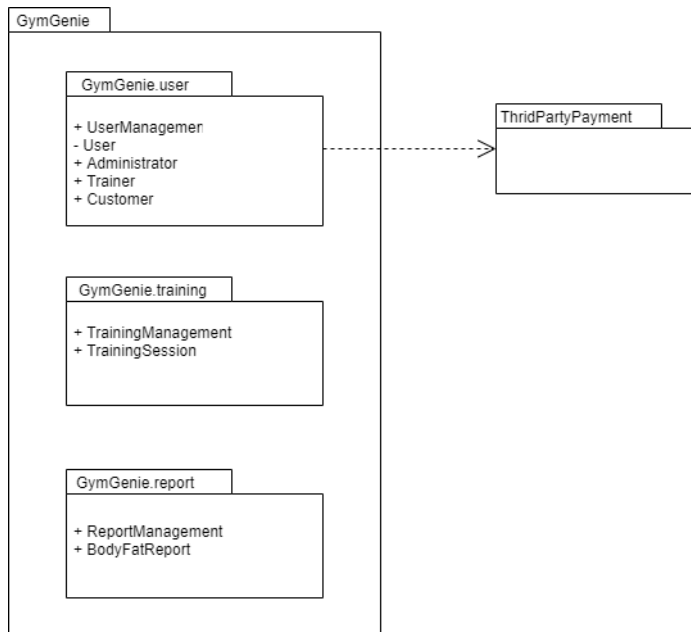# Project Milestone 3

Coding Girls and a Manager

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1. Class Diagram*

PaymentService
- cardNum
- cardHolder
- CVS

+ authorizePayment()

ReportManagement
- bodyFatRpts[]

+ addBodyFatRpt()
+ editBodyFatRpt()
+ delBodyFatRpt()
+ viewBodyFatRpts()

BodyFatReport
- id
- userId
- date
- analysis[]

+ getId()
+ getUserId()
+ getDate()
+ getAnalysis()
+ setUserId()
+ setDate()
+ setAnalysis()

Customer
- membership

+ isMembership()
+ setMembership()

<<create>>
<<access>>
<<access>>
<<uses>>

Trainer
- title

+ getTitle()
+ setTItle()

TrainingManagement
- trainingSchds[]

+ addTrainingSess()
+ editTrainingSess()
+ delTrainingSess()
+ viewTrainingSchd()
+ assignTrainingSess()
+ dropTrainingSess()

TrainingSession
- id
- instructorId
- date
- location
- capacity
- participants[]

+ getId()
+ getInstructorId()
+ getDate()
+ getLocation()
+ getCapacity()
+ getPaticipants()
+ setInstructorId()
+ setDate()
+ setLocation()
+ setCapacity()
+ addParticipant()
+ delParticipant()

User
- id
- email
- passwd
- name

+ getId()
+ getEmail()
+ getPasswd()
+ getName()
+ setEmail()
+ setPasswd()
+ setName()

<<uses>>
<<access>>

Administrator
- privileges[]

+ getPrivileges()
+ addPrivilege()
+ delPrivilege()

<<uses>>

UserManagement
- users[]

+ addUser()
+ editUser()
+ delUser()
+ viewUsers()

2. Package Diagram*

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

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

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

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

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

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