

assignment 1

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1 course management system
2 user:
3   data: emailAddress, name, photo, password,schoolName
4   behaviors: logIn, accessCourse, sendEmail, readEmail,
  uploadHomework, downloadFile, viewGrade
5
6 course:
7   data: courseName, courseIDnumber, participantNumber,
  instructorInformation, courseFile
8   behaviors:
9
10 Manage course:
11   data: course
12   behaviors: addCourses, dropCourse,viewAllcourse
13
14 User phoebe;
15 ManageCourse coursezone;
16 phoebe.login(password);
17 Course javalearning = phoebe.view(courseIDnumber,courseName);
18 if javalearning isAvailable
19   phoebe.add(javalearning);
20 if phoebe change her mind
21   phoebe.dropCourse(javalearning);
22 else
23   coursezone.provideCoursecontent(javalearning);
24 else course isUnavailable
25
26
27 pet adoption platform
28 adopter:
29   data: Name,age, job, homeAddress,familyStatu, phone, pethistory
30   behaviors:adoptPet, searchPet, contactOrganization,
  fillAppalication, questionCounsel
31
32 Apply adoption:
33   data:pet
34   behaviors: sendRequest, fillApplication, pickAdoptionDate
35
36 pet:
37   data:petVariety, bodySize, age, gender, healthyCondition
38   behaviors:
39
40 adoption organization:
41   data:name, Address, petAmount, review, certificate
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42 behaviors:collectAdpoterInformation, investigateAdopter,
    aduitApplication, takecarePet, transferPet
43
44 Adpoter phoebe;
45 adoptionOrganization petera;
46 phoebe.search(petvariety);
47 pet dog = phoebe.search(petVariety, age, healthCondition);
48 if dog isAvailable
49     phoebe.adopt(dog);
50 petera.collectAdpoterInformation(phoebe.age, phoebe.gender,
    phoebe.phone, phoebe.address);
51 petera.aduitApplication(phoebe.familystutas, phoebe.pethistory);
52 else dog isUnavailable
53
54 book airline ticket
55 Passenger:
56     data:emailAddress, loginCredentials, phone, creditCard,idNumber
57     behaviors:login, searchFlight, buyTicket, cancelTicket,
        requestRefund,requestchangeFlight
58
59 ticket booking:
60     data:flightinformation
61     behaviors:bookFlight, checkout,changeFlight,CancelFlight,Refund
62
63 flight:
64     data:Date,airline,destination,departCity,time,ticketClass,price
65     behaviors:
66
67 passenger phoebe;
68 Ticket booking Xiecheng;
69 Flight Chicago =
    phoebe.search(destination,airline,date,time,price);
70 if xiecheng isAvailable
71     phoebe.buy(Chicago);
72
    phoebe.checkout(phoebe.emailaddress,phoebe.phone,phoebe.creditCard
    ,phoebe.name,phoebe.idNumber);
73 if phoebe change her flight
74     phoebe.requestChangeFlight(Chicago);
75     xiecheng.changeFlight(Chicago,phoebe);
76 if phoebe cancel her flight
77     phoebe.requestCancelFlight(Chicago);
78     xiecheng.refund(Chicago,phoebe);
79 else flight isUnavailable
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81 course registration platform
82 user:
83   data:emailAddress,name,loginCredentials
84   behaviors:
85     searchCourse,RegisterCourse,DropCourse,WriteCoursereview
86 course registration:
87   data:course
88   behaviors:addusers,manageCourse
89
90 course:
91   data:courseName,school,instructor,courseIntroduction,courseTimelin
92     e,CourseReview
93 User phoebe;
94 Course Registration classadd;
95 phoebe.login(loginCredentials);
96 Course accounting = phoebe.search(courseName,school,instructor);
97 if Classadd isAvailable
98   phoebe.add(accounting);
99   phoebe.register(phoebe.emailAddress);
100 if phoebe change her decision
101   phoebe.requestDrop(accounting);
102   Classadd.dismiss(accounting,phoebe);
103 else
104   phoebe.writeCoursereview("****");
105 else course isUnavailable
106
107 Food delivery app
108 customer:
109   data:Name,emailAddress,order,orderHistory,loginCredentials,address
110     ,phone,creditCard,shoppingCart;
111   behaviors:chooseRestaurant,addFood,requestCancelOrder,requestRefun
112     d
113 restaurant:
114   data:Nmae,address,phone,businessHour,menu,review
115   behaviors:takeOrder,refund,deliverynotification,sendReceipt
116 delivery guy:
117   data:GPSInformation,Name,deliveryTime
118   behavior:TakeOrder,shareLocation
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117
118 Customer phoebe;
119 delivery doorcrash;
120 phoebe.login(loginCredentials);
121 restaurant iHop = phoebe.search(name,address);
122 if iHop isOpen
123     phoebe.order(iHop);
124     doorcrash.checkout(phoebe.order,phoebe.address,phoebe.phone,phoebe
        .creditCard);
125     doorcrash.sendDeliverynotification(phoebe.emailAddress,phoebe.phon
        e);
126     if phoebe edit the order
127         phoebe.requestCancelorder(iHop);
128         doorcrash.refund(iHop,phoebe);
129 else restaurant is Notopen
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