CSCI E-97
Wednesday, November 18, 2015
Assignment #4
Design Results

In this implementation, I felt like I gave myself plenty of time to review the requirements of this assignment and to create a Sequence and Class Diagram. Particularly, in creating my Entitlement Class Diagram, I fleshed out as much as I could based on what I soundly understood and set aside the requirements that I didn't in an attempt to come back to them, time permitting (see Risk).

I submitted my Sequence Diagram and Class Diagram in a decent amount of time. Takayuki commented on my Sequence Diagram:

His feedback regarding my main function made sense and was fairly easy to change as well as conceptualize.

From: Iida, Takayuki tiida@fas.harvard.edu
Subject: RE: Assignment #4 Sequence Diagram and Class Diagram
Date: November 7, 2015 at 8:40 PM
To: Gerald Trotman geraldtrotman@fas.harvard.edu, Eric James Gieseke egieseke@fas.harvard.edu

Maybe Eric could comment a bit more on the class diagram, but I have a minor point of order on the sequence diagram.
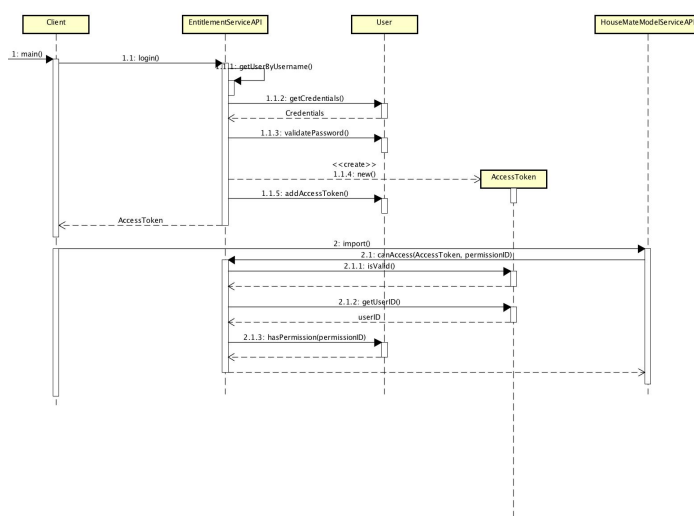
There are two method boxes on main(). This implies that in the middle of this sequence, main() has returned - that in other words, the program has ended! This should therefore be one continuous box.

From: Gerald Trotman [geraldtrotman@fas.harvard.edu]
Sent: Saturday, November 07, 2015 8:32 PM
To: Eric James Gieseke
Cc: Iida, Takayuki
Subject: Assignment #4 Sequence Diagram and Class Diagram

Hi Professor Gieseke and Takayuki,

I am attaching a class and sequence diagram in hopes of getting some early feedback. I feel like I spent a lot of time organizing on this one but implementation is going to be a stretch for me. We'll see…

Professor Gieseke managed to give me feedback on my Class Diagram:

Professor Gieseke's feedback was also very helpful and easy to conceptualize. In this case, the comments he made I had anticipated. I didn't add a voice print to the design at the time because I was still wrapping my head around implementing logging in. I knew if I got that done, I would be able to easily add voice print. The Composite pattern was a piece of feedback that I simply forgot to show in my Class Diagram but in fact, I was using it in the implementation. That was an easy fix.

Implementing 2 visitors, one for inventory and one for checking access was something I thought I was doing in my Class Diagram but this became something I was implementing and was not able to reflect in the Diagram.

From: **Eric James Gieseke** egieseke@fas.harvard.edu
Subject: Re: Assignment #4 Sequence Diagram and Class Diagram
Date: November 9, 2015 at 7:29 AM
To: Gerald Trotman geraldtrotman@fas.harvard.edu
Cc: Takayuki Iida tiida@fas.harvard.edu

Hi Gerald,

Looks good. A few comments. You are missing the VoicePrint Credential. Also the use of the composite pattern is missing from the Entitlement, Role and Permission classes. Also, there should be 2 visitors, one for inventory and one for checking access.

Also, consider adding a class called ResourceRole to bind a user with a Resource and a Role.

Regards, Eric

Quoting Gerald Trotman <geraldtrotman@fas.harvard.edu>:

Hi Professor Gieseke,

I noticed I bungled up some of the sample authentication patterns. It should have said âaddRoletoUserâ instead of âaddEntitlementToUserâ. Iâm retweaking that now.

On Nov 7, 2015, at 8:32 PM, Gerald Trotman <geraldtrotman@fas.harvard.edu> wrote:

Unfortunately I spent a little too much time on the Entitlement alone and didn't leave myself enough time

to work on the interaction with the HouseMateModelServiceAPI modification (aside from exception handling). I will say I was impressed with myself over the amount that I DID manage to tackle. I didn't think it was worth studying a working controller model as I wasn't pleased with my controller from the previous assignment. I want to again credit Jonathan Moon for his Model implementation and Simili Abhilash for his Controller implementation despite not building my Entitlement around the Controller.