Week 3 report

Subject: Security and Privacy Modeling and Implementation with ALFA and Fabric 5th February – 11th February weekly report

Body:

This week everyone was divided with their task. We had our 2nd mentor meeting with Dr. Yue. The meeting was very helpful to understand the scope of project and how we can approach further. He suggested us to work closely with faculties, RA's as the project requirements is in development stage. He explains that the authentication is to be done by CA's and MSP. We would be use ABAC to achieved this where the rules are based on the attributes, this helps to give the members required access control.

Accomplished Items:

1. Building Website.
2. Setup sample Fabric ca server and client.
3. Mentor Meeting with Dr. Bun Yue
   a. Mentor meeting is scheduled for every week at Friday 3:00 – 4:00 PM.
   b. Team has to work closely with Faculties and questions related to project.
   c. Team working on Mini Fab, RA's would be helping to get the access for the server to the project.
   d. There wasn't any link established in the previous project with front-end application.
4. Received a laptop from RA's configured with Linux.
5. Internal Meeting:
   a. Divided the task according for Front End, CA, Smart Contract, MSP, ALFA.
   b. Discussed basic goals towards the project.
   c. Discussed common questions and solutions regarding approach towards the project.
6. Received BPMN diagram & Approval Proposal document from Dr. Wei Wei.

Active Item:

1. Deployment of the project website.
2. Run and execute the past project.
3. Running Sample Fabric ca server and ca client.
4. Generating sample certificates using Fabric CA.
5. Writing sample smart Contract.
6. Understanding the BPMN Diagram.
7. Understanding the concept of attribute storage in CA's and MSP.

Planned Items:

1. Understand ALFA policies.
2. Learning about Invocation of Smart contracts from JavaScript Files
3. Retrieval of attributes from Certificate Authority.
4. Getting insights from BPMN Diagram and Approval Proposal.
5. Testing Smart Contracts using Client Application.
6. Working with RA's to study Mini Fab.