**Working**

**User Authentication**

(User uses his username and password to log on to the system. New users are directed to Registration page. This requires Userid and Password(a plaintext one)

**Petition Homepage**

On successful Authentication, User is directed to petition page which shows the list of petitions available to the user to vote. User have to register for a petition before the petition is available to vote.

**Voting**

User cast the vote.

**Registration (Petition)**

For security reasons and scalability issues, user have to express their desire to vote on a petition. This step is just to obtain an account in blockchain system.

**User Authentication**

We planned to keep one Authentication in the system, the one which logs the user into the system. Once the user is in the system, we treat the user to be a genuine one. This solves two problems:

1. We don’t have to authenticate the user again during voting. It saves time and is not very beneficial.
2. We don’t have to store any sensitive information like userid and password.

**Registration for petition**

Once user is in the homepage, the user will have a look at all the current petition which went live. User can go to any petition and click to register. Note: A user cannot vote on any petition unless he registers himself. Registration is simple. It requires some trivial details like age, gender, major subject. While we store the age and gender for post analytics, we will use majors to check whether the user is eligible to participate in the petition. Once, the check is performed, it serves no purpose to store this data.

(Example: As Alex and I were discussing, a petition to remove a professor must be free of all details pertaining to students, age and major can reveal a lot more about the batch of students who have voted for and against the removal of professor.)

Once user registers for petition, the user must receive some algos to cast his/her vote. But we decided this approach will be a bit tricky, since we must ensure that the algos must not be spent somewhere else. \*More details will be updated soon\*