

Each One Teach One

Progress Report (02 – 19 -2009)



Recap

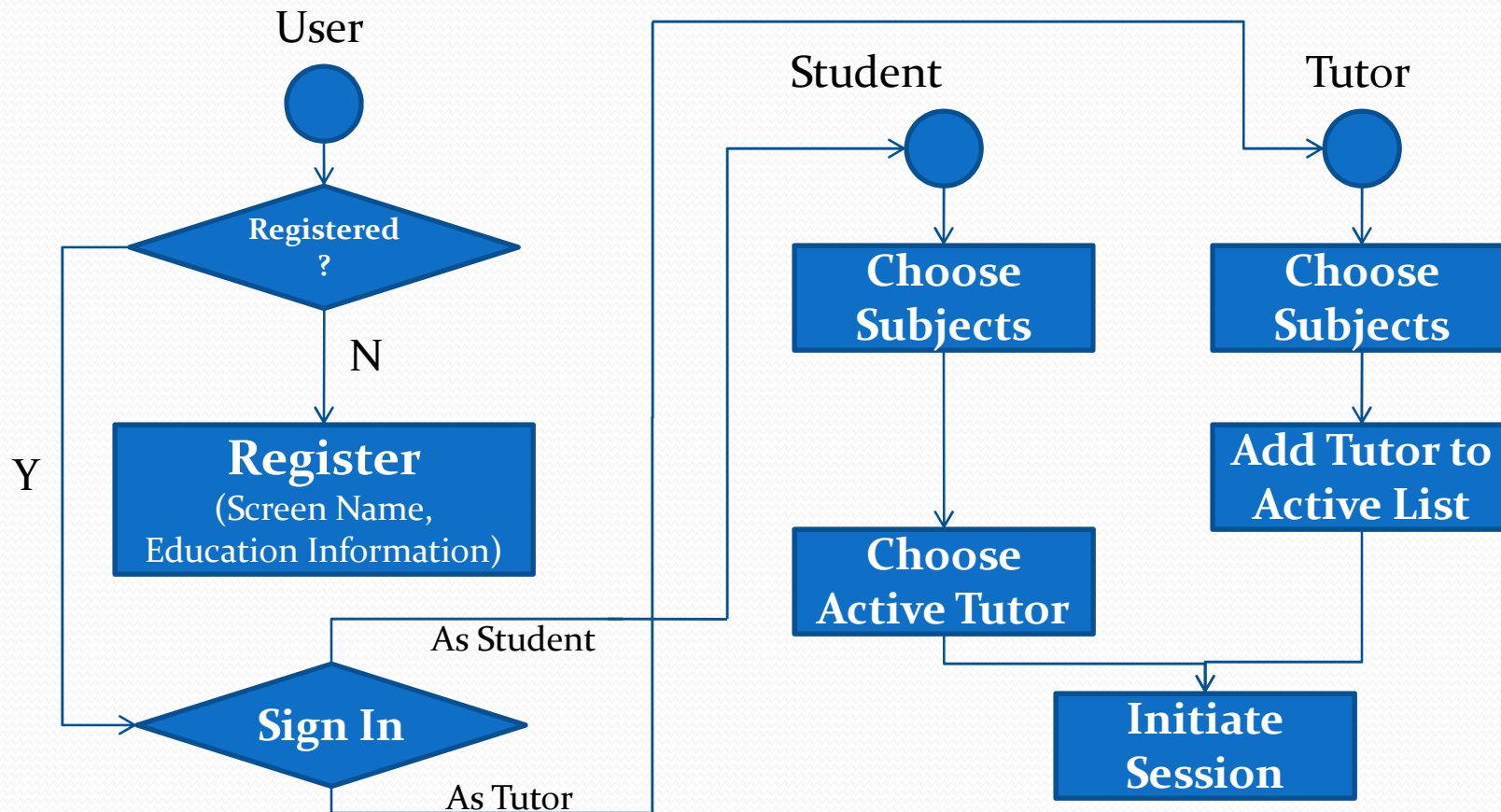
- **Each One Teach One** is an online tutoring system, to be integrated within social networking websites (e.g. Face Book)
- Main objective is utilizing the intellectual ability of users spending some of their leisure time on popular social networking websites, to be tapped to teach someone in need, spreading literacy among people, especially in the developing countries



System Design

- The design of our system revolves around transmitting knowledge and information from tutors to students
- Key Issues:
 - Representing information (material, tutor ability, student needs, etc...)
 - Communication between both parties
 - Privacy

Flow Diagram





Challenges

- Context Definition
 - Tutor
 - Teaching math for a high school student is different from teaching it to a professional, or an elementary school student
 - What information about the student we need to capture to convey the context accurately to the tutor?
 - Student
 - How to pick a good tutor for my needs?
 - What information about the tutor we need to capture to help the student pick a good match?



Challenges

- Tools for communicating knowledge
 - Language
 - Medium: Chat?
- Privacy
 - How to maintain a level of anonymity for the users without sacrificing the representational accuracy of context information



Implementation

- Social Networking Website
 - Facebook
- Tools
 - Web applications: PHP
 - DBMS: mysql
 - Scripting: FBML, FBJS, AJAX



Progress

- Finalized
 - Initial DB Schema
 - Fetching user's profile information from Face Book
 - Registration form
 - Layout
 - Investigating different chatting platforms (OpenChat, SimpleChat, FB LiveMessage) to serve as a communication environment.



Progress

- In Progress

- Investigate the information that can be acquired through user's profile on Facebook to choose a set for representing context without sacrificing privacy.
- Integrating our system flow with the hierarchy of Facebook applications
- Implementation of the application modules in Facebook scripting languages