iLearn Architecture Design

User

Keyboard

Student Mode

Teacher Mode

Screen

Controller

Internet Education material

iLearn System

Database

1. Login page
   1. Input Textboxes
      1. Student ID/Teacher ID
      2. Password
   2. Button
      1. Login
   3. Connected (hyper)links
      1. Signup
         1. Allow users to create accounts
         2. Go to signup page
      2. Forgot password
         1. If user forget the password, he/she should be able to reset the password.
         2. Go to password page
2. Signup page
   1. Textboxes
      1. Student Name
         1. First name, last name, middle name
      2. Birthday
         1. Month, day, year
      3. Account
         1. Connect to DB to see if the account is already used by someone else
      4. Password & confirm password
         1. Test the password strength
      5. Email
         1. Connect to DB to see if the email is already registered by someone else
   2. Button
      1. Submit
         1. Check if all the required information is filled.
            1. If yes, submit the application to the database and send the verification email to user
            2. If not, show the alert message on screen and tell user which information have not been filled yet
      2. Reset
         1. Clear all information
3. Home page – Student View
   1. Functions
      1. Show the classes that the student takes this semester
         1. Class list
            1. Show other classmate contact information(email?)
      2. Announcement board
         1. Read the latest announcement from teachers
      3. Check the grade
         1. Show the class grade
      4. Shared materials by teachers
         1. Lecture PPT
         2. Educational media
      5. Assignment
         1. Upload the homework
      6. Practice/Test/Quiz/Exam
         1. Work on the materials assigned by teachers
         2. Due Date Alert
4. Home page – Teacher view
   1. Functions
      1. Show the classes
         1. Contains class list
      2. Announcement board
         1. Post the announcement
      3. Shared materials by teachers
         1. Upload or delete educational materials
      4. Update grade
      5. Assignment
         1. Upload assignment
         2. Check students’ uploaded assignment
      6. Practice/Test/Quiz/Exam
         1. Upload questions of Practice/Test/Quiz/Exam
         2. Upload answers
         3. See the students progress
         4. Show average grade