Phase 1 Report ADS

Important login credentials for your web app

Graduate Secretary: jakejh@gwu.edu password: jake

Student: harrison@gwu.edu password: harrison

Student: mccartney@gwu.edu password: mccartney

Student: stlukashevich@gwu.edu password: stan

Advisor: narahari@gwu.edu password: narahari

Advisor: parmer@gwu.edu password: parmer

Alumni: eric@gwu.edu password: eric

System Administrator: jake@gwu.edu password: jakeadmin

URLs

http://gwupyterhub.seas.gwu.edu/~BBoltiansky/teamwuhan/Deliverables/public_html/advising.php

http://gwupyterhub.seas.gwu.edu/~stlukashevich/teamwuhan/Deliverables/public_html/login.php
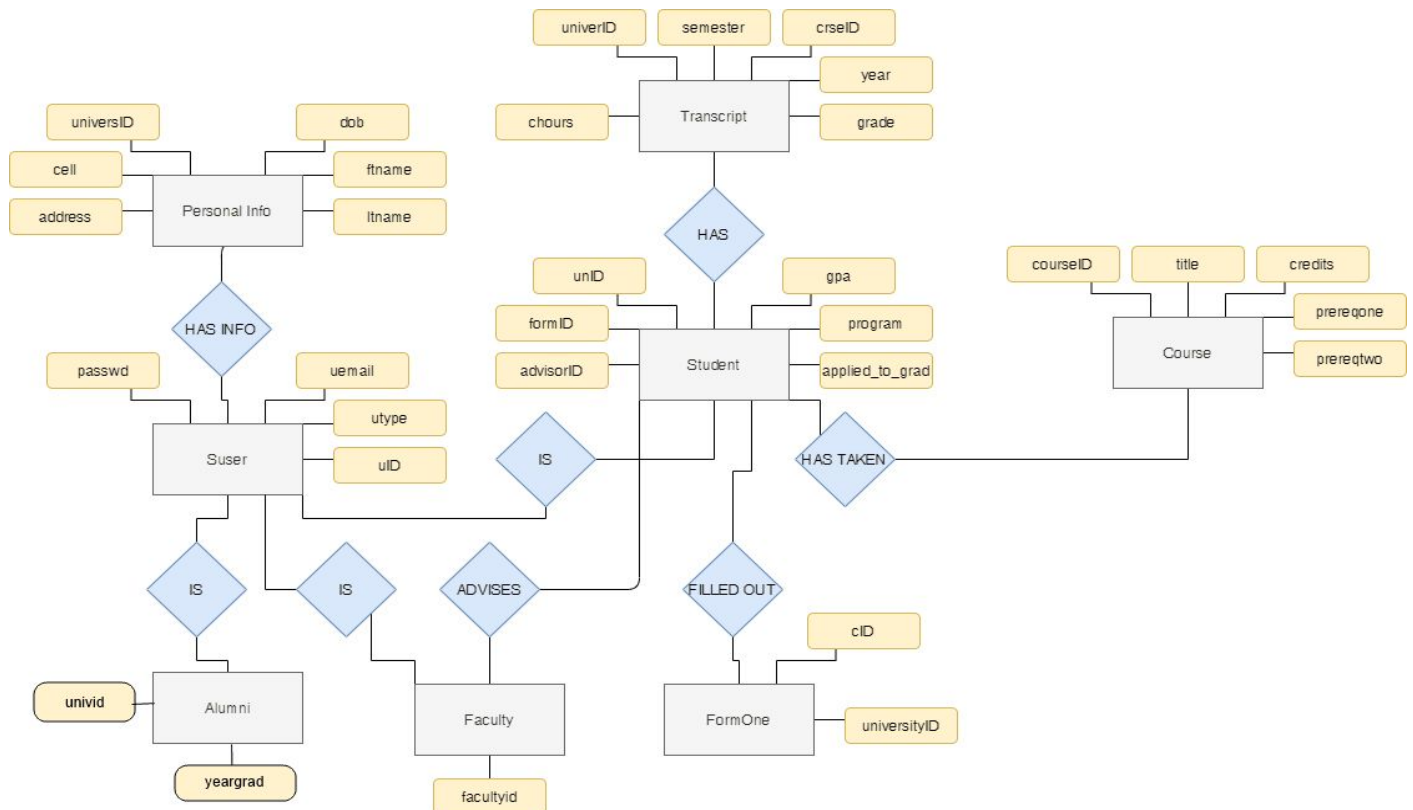
1. System Design (users, <u>data</u>, system functions)

- Users Data & Functions:
  - All Users:
    - System Login Action (independent of user type);
    - Personal Information Data:
      - Status: displays user type;
      - View unique university ID (UID), 8 digit number;
      - First, Last name, Date of birth;
      - Address;
      - Telephone # ;
      - Email address;
      - Current program: Masters or PHD (Students only);
  - Alumni:
    - Final transcript info;
    - Year graduated.
  - Graduate Students:
    - Course Enrollment Information (transcript data):
      - All courses taken currently and in the past:
        - Semester;
        - Year;
        - Final grade (if taken in the past);
        - Credit hours.
    - Each student has a faculty assigned (relationship);
    - Form 1 Data;
    - Apply for Graduation — triggers Graduation Verification Audit Process;
  - Faculty Advisors:
    - Can view Form1 Data of the assigned student;
    - Approve PhD Students Thesis;
  - Grad Secretary (GS):
    - Complete access of data of any student;
    - Assigns/connects faculty advisors to students & can change at any time;
  - System Admin:
    - Has access to data of any user;
    - Can create, add, and delete other accounts and their variables/data;
      - When creating new users: fills out a form and a record is stored in DB.
- Program Requirements Data Stored Separately in the Database;
- Course Catalogue Data Stored Separately in the Database and is a separate webpage;

- Graduation Verification Audit Process:

- ○ Before Program Starts:
  - ■ Student fills out Form 1;
  - ■ Faculty Approves Form 1;
  - ■ Throw an error and ask the user to refill Form 1 if it doesn't match with reqs.
- ○ After All Classes Have Been Taken:
  - ■ Checks if Form 1 was approved;
  - ■ Compare student GPA with the required GPA;
  - ■ Check Credit Hours;
  - ■ Check Grades Requirements
  - ■ [PhD only: wait for the FA to approve thesis completion.
  - ■ Wait for the GS for "clearing to graduate" (permission)
  - ■ Student info moved from Student table to Alumni table.

ER Diagram:

2. **Web Functionality and Design** (web pages, user <u>menus</u>, actions)

- Non-logged in Users:
  - Login action:
    - Should not differentiate by user type;
    - SQL query should identify the user type;
    - Redirect to the appropriate page (depends on user type);

- Logged in Users — full navigation menus of user home pages & functionality:

  - Header (all users): university name and logo;
  - Personal information is displayed on the home page (all user types);
  - Log out action;
  - Alumni Menu:
    - Change personal information;
    - View final transcript info.
  - Student Menu:
    - Change personal information;
    - View Course Enrollment Information (*transcript* information);
    - Fill out Form 1;
    - Apply for graduation button (forwards to a separate page with this form):
      - Enter Student Number;
      - Select Your Degree (MS/PhD);
      - "Submit for audit" button.
  - Faculty Advisors Menu:
    - Change personal information;
    - Opens Student Data Page, searches for a specific student ID, sees the info. transcript and is able to approve Form 1 and PhD Thesis
    - My Students (forwards to a page with list of assigned students):
      - For each student can: view Form 1
  - Grad Secretary Menu:
    - Change personal information;
    - Opens Student Data Page, searches for a specific student ID, sees the info. transcript and is able to clear for graduation by pressing a button
    - Select Student (forwards to a separate page with list of students):
      - For each student can: Choose Advisor.
  - System Admin Menu:
    - Change personal information;
    - Create A New User;
      - Forwards to a separate page with the form for that new user;

3. **Team Members Contributions** (Entire Phase 2)
   - Jake:
     - Design Database;
     - Alumni Page and functions;
     - Grad Secretary page and functions;
     - Login & Logout;
     - Form1 functionality;
     - Create New User functionality;
     - Student Select functionality;
   - Brian:
     - Page Templates + php files like Connection Variables/Footer/Header;
     - System Admin and functions;
     - Faculty Advisor page and functions;
     - Nav Menu functionality;
     - Student Select functionality;
     - Enrollment functionality;

   - Stanislav:
     - Design Database;
     - Populate Database;
     - Initial SQL Populate Script;
     - Form1 functionality;
     - Apply to Graduate functionality;
     - Updated Personal Info Functionality;
     - Documentation & records at all stages of Phase 1;