

System Requirements

The system requirements outline the nonfunctional and functional conditions that are necessary of the system.

Nonfunctional Requirements

1. Operational Requirements
 - 1.1 The system shall operate in any OS environment.
 - 1.2 The system shall allow access to authorized users.
 - 1.3 The system shall gather demographic information from authorized users and create a profile based on the information gathered.
 - 1.4 The system shall allow mentees to match to mentors.
 - 1.5 The system shall accept donations at any time.
 - 1.6 The system shall allow email blasts to be sent.
 - 1.7 The system shall be able to connect to printers wirelessly.
 - 1.8 The administrator shall be able to manually backup the system.
2. Performance Requirements
 - 2.1 The system shall enroll students for the authorization process in 2 seconds or less.
 - 2.2 The system shall sign in authorized users in 2 seconds or less.
 - 2.3 The system shall allow the system administrator to send email blasts as often as needed and within 2 seconds or less.
 - 2.4 The system shall authorize job postings within 24 hours or less.
 - 2.5 The administrator shall post authorized job openings.
3. Security Requirements
 - 3.1 Only the chairman of the CIS department and authorized admin shall have access and create reports on the system.
 - 3.2 Authorized users shall be allowed to see the information of other authorized users
 - 3.3 Only the chairman of the CIS department and authorized admin shall be able to approve and post job openings.
4. Cultural and Political Requirements
 - 4.1 No special cultural and political requirements are anticipated.

Functional Requirements

1. Enroll Students
 - 1.1 Lowerclassmen shall enroll in the system by signing up and giving special interest information.
 - 1.2 Upperclassmen shall enroll in the system by signing up and giving special interest information.
 - 1.3 Alumni shall enroll in the system by signing up and giving special interest information.
2. Match Authorized Users
 - 2.1 Lowerclassmen shall receive a confirmation notification that they have been matched by the person of their choosing
 - 2.2 Upperclassmen and alumni shall receive a notification when a mentee wants to match with them

3. Communication

3.1 System admin shall be able to send out email blasts and various email notifications using authorized users subscribed email addresses.

4. Produce Reports

4.1 The chairman of the CIS department and authorized admin shall run queries to produce and review reports of the system.

5. Accept Donations

5.1 Authorized admin shall transfer funds to bank account weekly.

5.2 Chairman of the CIS department shall be able to check donation funds whenever needed.