**UniMatch**

**Functional Requirements**

* Allow users to create an account
* Store user information
* Display general information about chosen universities
* Generate a list of potential universities based on student information
* Store information about each university
* Users must create an account to generate a match

**Nonfunctional Requirements**

* **Product requirements**
  + Usability requirement: Available for online access at any time.
  + Efficiency requirement:
    - Performance requirement: matching algorithm needs to take no more than 5 seconds to generate list of potential universities
    - Space requirement: server must be able to handle multiple algorithm requests at once
  + Dependability requirement: system downtime must not exceed 1% of uptime
  + Security requirement: all student information will be encrypted with AES
* **Organizational requirements**
  + Environmental requirement: must be able to be run on any full-fledged browser
  + Operational requirement: students must log into their accounts to see their information and university matches
  + Development requirement: website is written in Python
* **External requirements**
  + Regulatory requirement: no data mining or selling of student information
  + Ethical requirement: no taking bribes to suggest certain colleges over others
  + Legislative requirement-
    - Accounting requirement: software is free to use
    - Safety/security requirement: use HTTPS protocol for sending and receiving information