

The Priority Algorithm Processed Course Offering Application for Trinity (PapCoat)

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Trinity's Current System

[Search](#) [Plan](#) [Enroll](#) [My Academics](#)

Shopping Cart | [Course History](#)

Shopping Cart

Add Classes to Shopping Cart

Use the Shopping Cart to temporarily save classes until it is time to enroll for this term. Select Validate to have the system check for possible conflicts prior to enrolling.

January 2021 | Undergraduate | Trinity College

[Change Term](#)

 Open

 Closed

 Wait List

Add to Cart

Enter Class Nbr

[Enter](#)

Find Classes

☒ Class Search

[Search](#)

January 2021 Shopping Cart

Your enrollment shopping cart is empty.

▼ My January 2021 Class Schedule

 Enrolled

 Dropped

 Wait Listed

Alternative Systems

Tufts University



Bowdoin College



Alternatives (cont)

Shopping Cart Appointments		
Session	Appointment Begins	Appointment Ends
Regular Academic Session	October 28, 2013 8:00AM	January 18, 2014 5:00PM

Enrollment Appointments						
Session	Appointment Begins	Appointment Ends	Max Total Units	Max No GPA Units	Max Audit Units	Max Wait List Units
Regular Academic Session	November 13, 2013 8:00AM	November 15, 2013 5:00PM	5.50	5.50	5.50	5.50

Open Enrollment Dates by Session		
Session	Begins On	Last Date to Enroll
Regular Academic Session	January 16, 2014	April 28, 2014

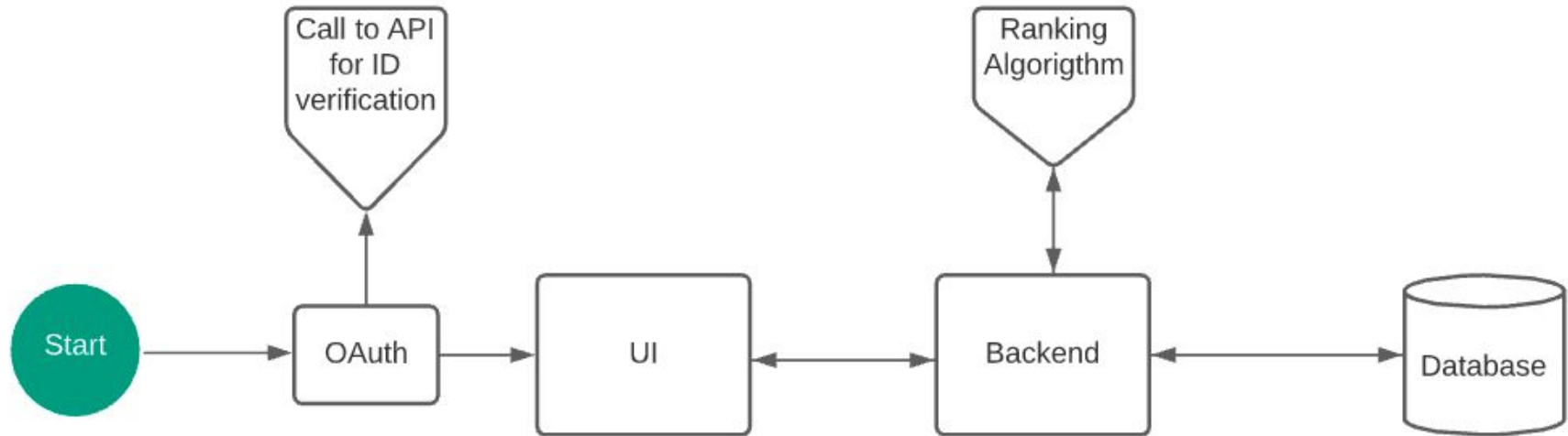
Term Enrollment Limits			
Max Total Units	Max No GPA Units	Max Audit Units	Max Wait List Units
5.50	5.50	5.50	5.50

Tufts

Bowdoin

Solution: New Course Registration System

Our Design:



New Rank-Based Course Registration System

Course Catalog

Browse the catalog by: ☒ Subject ☐ Department/Program

Select a subject:

Course Catalog for COMPUTER SCIENCE

CPSC 110

Computing with Mobile Phones

App Inventor for Android is a new open source programming language for Android smart phones. App Inventor is a visual language that enables novice programmers to create powerful mobile applications that interact with the web and with other phones. In this course, students will learn how to access the world of mobile services and applications as creators, not just consumers. They will learn to create entertaining and socially useful apps that can be shared with friends and family. In addition to learning to program and how to become better problem solvers, students will also explore the exciting world of computer science from the perspective of mobile computing and its increasingly important effect on society. ([NUM](#))

1.00 units, Lecture

CPSC 115

Introduction to Computing



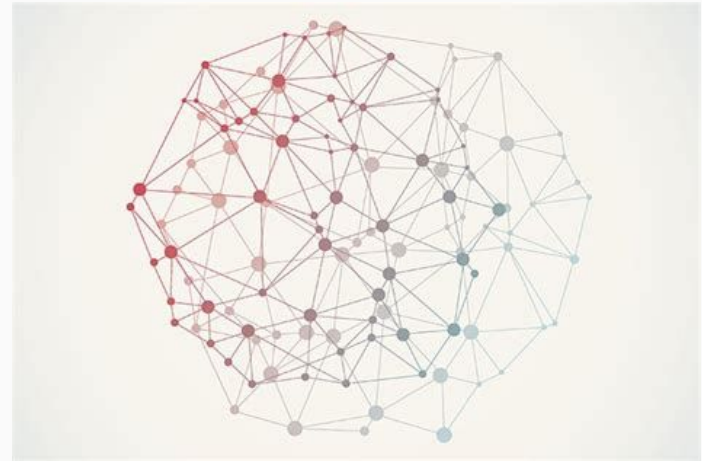
1. Database to store course information

2. Database to store student preferences

New Rank-Based Course Registration System



3. New User Interface for students to select courses



4. Algorithm to match students to preferred courses

Design Schedule

- Key:
- Black:** Everyone
 - Yellow:** Edwin
 - Blue:** Bettina
 - Red:** Logan

A mix of primary colors -> collaboration



Possible Expanded Features

Note: This is only if we have time, and even still most of these feature will not be implemented.

Algorithm:

- Add Major and Minor Priorities
- Add Teacher Priorities
- Add Guidance Counseling
- Dynamic Class Offering

UI:

- Add Future Planning
- Live Suggestions to Shopping Cart

Questions?