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Problem:

The registration/guidance system at many universities (especially USC) is ineffective, failing to provide students with the correct advice to traverse the requirements to fulfill a degree. This causes students to take wrong classes, miss event deadlines, and be unaware of necessary steps,. These issues have caused undo emotional and financial rigor, extended degree completion, and caused low college moral.

Objective:

Design a system that will assist college students through the majority of advising requirements while in pursuit of a degree.

Short Term Goal:

Build an app(IOS, Android, web)/server system that will be capable of advising USC students of graduation requirements. Initial implementation will focus on the College of Engineering. Other departments will be added as development continues.

Long Term Goal:

Modify the system so that any college/school with templates that will advise students on their path through the maze of requirements to graduate.

System Capabilities:
- Track student progress through degree curriculum
  - Ensure students are aware of minimum grade requirements
  - Track prerequisites
  - Suggest classes that should be completed per year/semester
- Provide alerts for withdrawal/drop dates and registration times
- Provide students and advisors with a simple system for advisement/registration
  - Set up appointments
  - Approval of schedules
- Notify students of important dates, milestones, and requirements
  - Senior checks
  - Financial Aide reminders
- Track required class availability
- Features to be added as required by students