**Explicit and implicit user requirements**

**Explicit requirements (OLD):**

Req1: System has to offer wide variety of courses to students.

Req2: System expects to be used by no more than 5000 distinct students at any one time.

Req3: System must be able to maintain the current and historical records of all students.

Req4: System must be able to track some basic identifying information for each of the students.

Req5: System must allow enrolling and dropping students as needed.

Req6: Student will have a name

Req7: Student will have an address

Req8: Student will have a phone number

Req9: student will have a job Name (if he/she has)

Req10: Counselor must work with the student to construct and approve a set of courses for each individual student.

Req11: Students remain enrolled in the program even if they don’t take classes during a given semester.

Req12: Students will select courses from the most current course catalog

Req13: Course will have an ID

Req14: Course will have a tittle

Req15: course will have a description

Req16: course will have to able to update

Req17: Courses can be removed

Req18: Courses can be created

Req19: System has to able to manage up to 100 distinct courses at any one time.

Req20: System may have up to 50 instructors.

Req21: System can only add up to 10 professors during any semester

Req22: System should help track specific skills in professors to match them for courses

Req23: Professors will have a unique id

Req24: Professors will have name

Req25: Professors will have address

Req26: Professors will have a phone number

Req27: During any given semester student is allowed to take zero, one or more courses.

Req28: For each class taken by a student a record should be maintained for the student’s performance.

Req29: Performance in a class will be measured by a letter grade.

Req30: Each record will have to associate professor information as well

Req31: Different professors can teach the same class over time.

Req32: The system must allow updating academic records.

**Explicit requirements (NEW):**

Req33: Following with Req12 students will add courses from the current catalog, but they have to meet the prerequisites of courses and not have a previous performance of A, B or C.

**Implicit requirements:**

Req1: Create new student (freshman)

Req2: Create new professor

Req3: Create new course

Req4: Create counselor

Req5: Students will be able to update their personal information.

Req6: Students will be able to query their past courses.

Req7: Students will be able to query their current courses.

Req8: Professors will be able to update their personal information.

Req9: Professors will be able to query their past courses.

Req10: Professors will be able to query their current courses.

Req11: Query All the Students

Req12: Query Graduate Students

Req13: Query Current Students

Req14: Query Specific Student

Req15: Query Specific Professor

Req16: Query Specific Course

Req17: Query Current Professors

Req18: Query All Professors

Req19: Find if cap of the professors is reached

Req20: Find if cap of the students is reached

Req21: Find if cap of the courses is reached