TEAM #1: 1-Direction
1. *Patrick Mc Grath*
2. *Daniel Belonio*
3. *Joshua Nwabuzor*
4. *Tyler Pham*
5. *Antoine Merino*

List of Objects

1. **Entity Objects**
   a. **Course**: Represents a class that can be taken by a student.
      Attributes include:
      i. description of the course (course information, prerequisites, etc)
      ii. list of students taking the course
      iii. list of students who wish to take the course
      iv. the number of students taking the course
      v. number of students waitlisting/wishing to take the course
      vi. the max capacity of the course
      vii. boolean determining whether or not the class is full
   b. **Student**: Represents a student within a class/course.
      Attributes include:
      i. Name
      ii. student ID
      iii. Major/Minor
      iv. Other such fields of interest
      v. Courses said student is in
      vi. Courses the student wants to add.
   c. **Admin:** Represents admin personnel who have certain permissions to change certain aspects, such as information on student accounts, allowing courses to be available, or sending maintenance notices. Attributes:
      i. Name
      ii. Personnel ID
      iii. Permissions

2. **Boundary Objects**
   a. **Notify:** Represents the component responsible for sending students notifications regarding new class openings based on user-selected criteria and currently taken courses.
   b. **UserInterface/PostingModel:** Displays a menu that lets the user check their schedule, add/drop courses, and display information about classes.

    c. **CompatibilityCheck:** Represents the component responsible for checking as to whether or not a class is compatible with a student's schedule, course/major requirements, and/or other student-selected criteria.

    d. **ScheduleSuggest:** Represents the component responsible for providing alternate schedules and/or courses based on user-selected criteria.

    e. **StudentLogin:** Students use their email and password to login into the student center to view their course schedule and other details.

    f. **AdminLogin:** The CSULB IT division will use their email and password to login into the admin page where they can view lists of students and courses.

3. **Control Objects**

    a. **InputData:** User authentication, class availability management, takes user input on desired classes and times.

    b. **ClassValidityProcessing:** The management and processing of valid times and classes in order to provide correct data that will be displayed to the student.

    c. **DisplayModel:** Handles the displaying and notification systems, including UI displays for InputData, and furthermore manages all display information to the user and to the developers.