The main scope of this project is to determine spaces and assigning use on campus. The majority of space assignments are towards academic instruction. This project looks at alterative spaces on campus both inside and outside that can be used for various scholastic activities for academic instruction and student educational efforts.

The project determined there were six types of space activities and uses/functions. They are listed below in order of priority.

1. Spaces for instruction (KIPJ A-H was mentioned) that are not normally used as classrooms.
2. Areas for students to participate in class remotely when on campus
3. Spaces for taking examinations
4. Exterior spaces that could be used for study and other quiet activities
5. Quiet versus active spaces
6. Spaces for student organizations to meet
7. Spaces not determined

It was determined that a list of all possible indoor and outdoor supplemental spaces needed to be created. These spaces also needed to evaluated by priority level and use consideration. Other important items include seat number counts of outdoor spaces, estimation of student number counts, availability of wifi coverage,

special outdoor requirements, and space reservation process, protocol, and system.
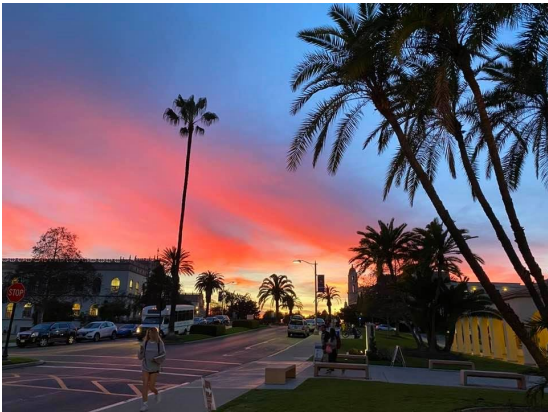
It was also determined that there needed to be a system for keeping track of who entered and used each space. This system could also inform people of availability and be utilized for reservations. The system should also be able to have a function that allows for visitors to register. The system needs to have a mechanism for checking that each person had their covid compliance test. The system needs to keep track of groups.

This supplemental space system also needs to have people physical monitor all of the spaces. A new department has been created to handle this and has been allocated 10 full-time general employees – 2 are head managers (degree obtained, grad date, yrs of experience), and 8 are staff (school, certificate date, yrs of experience). The department also employs 2 part-time employees (references, emergency contact person).

The staff are paid once every two weeks. A paycheck and a pay statement are generated at each pay period. The pay statement includes the name of the company, the date issued, the staff name and SSN, the bank name and account number (if the pay is automatically deposited), total salary, federal and state tax deduction, and net pay (which is not stored in the database). The full-time staff pay statement includes all of the above plus medical, dental, disability and life insurance deductions. All statements include YTD salary and tax information.

Output

The following are *just some* of the outputs that USD will want you to develop. These must be included in your final deliverables and higher consideration is given to those who create more outputs. Create your own samples to thoroughly test your database design.

- ꙮ Names of people, and number of times each person checked into a room
- ꙮ Names of members not seen in the last year and date last seen.
- ꙮ Spaces checked out most often.
- ꙮ Which person or group has checked out the same book more than once?
- ꙮ A listing of people who check into each space per day
- ꙮ Names of people that have check into a room without a covid test.
- ꙮ Which spaces have the longest reservation wait.
- ꙮ What is the average time per space use.
- ꙮ What time of day is the busiest?
- ꙮ Which employees earn more than the average salary for all employees?
- ꙮ Which part-time employee has been with library the longest?
- ꙮ Which employee has the most sick days?