

Assignment Name: Problem Statement

Group Name: Group Name#4

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## Problem Statement

University libraries can often be very crowded making it difficult for students to find an open seat to study on the floor they want, so they have to go there in person to see if there is enough seat on the floor. This would waste students time and create overcrowded floors.

## Why does it matter?

It is necessary to give students a good study environment and to let them know ahead of time if there's not enough space so they can prevent overcrowded floors. It also helps them if they don't like busy floors.

## Who is experiencing the problem?

Students and other people who use libraries all around the world.

## What is the problem?

Students can't find a seat to study on certain floors because there are not enough seats in libraries for students on certain floors. It causes student to go there in person just to see there isn't enough space.

## Where does the problem present itself?

University and public libraries especially those having certain part/floor renovated or having special equipments. This happens especially during exam weeks when more people use libraries.