Program Design

**Problem Definition:**

The problem as we’ve chosen to implement it is floor planning in a C-train environment. Since the immediate intended audience is fellow classmates of ENCM 507 and potentially faculty members of the University, most of the audience will have a personal understanding of the struggle of trying to maximize space utilization on the Calgary LRT line. Since the C-trains are laid out in a very specific way, and rearrangements based on the occupants of the train are variable, this problem is easily relatable to the floor plan content taught in class as of the writing of this document.

**Program Explanation:**

For our design, the interior of the C-train will be split into different sections (for example static seats, retractable seats, centre rotating section, etc.) that will have different points awarded for specific ‘pieces’ placed there (people with backpacks, people in wheelchairs, etc.)

**Storyboard:**

**Project Management:**