

1. Create an empty plane with a size based on input/choice
2. Display the plane
3. Change the layout of plane to label window seats but also more room seats(more space seats)
4. Go into algorithm to fill the plane/seat people
  - a. Find the total number of seats
  - b. Continue to let people purchase seats until none are left
    - i. First do purchase in economy plus but for people who have a disability, taller, breastfeeding
      1. In the purchase economy method -
        - a. give people window preference seating based on breastfeeding or if has disability
        - b. give taller people the more space seats
    - ii. Randomly choose a number
    - iii. if this number is  $> 30$ 
      1. purchase economy plus
    - iv. else
      1. purchase economy block with a random number based on the max family size
  - c. Seat people in the economy\_sold
    - i. Alter this to seat taller, breastfeeding mothers, people with disabilities who need preferred seating
  - d. Print out the plane