

SuperComputing Challenge Interim Report

JC team 6

Food insecurity affects 15% of the American population. This is due to a number of reasons, including but not limited to lack of accessibility and poverty. According to the United States Department of Agriculture, 15% of all households in America (that's 18 million households for all of my number lovers) struggled to provide food in 2023. To address this challenge, we plan to create an app capable of allowing those in need to gain access to affordable food. Our app would feature a map with locations of food banks where families and people can get food packages and also locations of active food drives/donations where those with excess can donate food to those in need. This app aims to bridge the gap in food insecurity by supporting local communities and eliminating food insecurity by providing convenient, cost-effective solutions for those in need.

One of the biggest causes of food insecurity in America is unemployment rates among the low-income population. A limited source of income makes it difficult to afford a necessary amount of food. In addition to other factors such as high cost of living, disparities, and local policies, finding food becomes more than just a basic necessity; it becomes a task.